

Sandwich Manifolds

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ABP	ISO 03 - 30mm: A to T	1
ABQ	ISO 03 - 30mm: B to T	2
ABR	ISO 03 - 30mm: On P	3
ABS	ISO 03 - 30mm: Out of T	4
ABT	ISO 03 - 30mm: On A and B	5
ABU	ISO 03 - 30mm: On A and B	6
ABV	ISO 03 - 30mm: Out of A and B	7
ABX	ISO 03 - 30mm: A and B to T	8
ABY	ISO 03 - 30mm: A to B and B to A	9
ABZ	ISO 03 - 30mm: P to T	10
EB2	ISO 03: Reducer on A with reverse flow check	11
EB3	ISO 03: Reducer on B with reverse flow check	12
EB4	ISO 03: Sequence into A or out of B with reverse flow check	13
EB5	ISO 03: Sequence into B or out of A with reverse flow check	14
EB8	ISO 03: Cushion lock	15
EB9	ISO 03: Reducer on A and B with reverse flow check	16
EBA	ISO 03: On A or B, port 3 to opposite side	17
EBC	ISO 03: P to T, port 3 external	18
EBD	ISO 03: On A or B, port 3 external	19
EBG	ISO 03: On T, port 3 to A	20
EBH	ISO 03: On T, port 3 to B	21
EBI	ISO 03: On A or B to T, port 3 external	22
EBK	ISO 03: On P, port 3 to A	24

EBO	ISO 03: On P, port 3 to T	25
EBP	ISO 03: On P, port 3 to T	26
EBQ	ISO 03: On P, port 3 external	27
EBS	ISO 03: ISO 05 - X & Y to ISO 03 Adaptor for load sense	28
EBV	ISO 03: On P, port 3 to T - Mirror	29
EBW	ISO 03: On P, port 3 to T	30
EBY	ISO 03: On A and B with cross pilot	31
EUB	ISO 03 - 50mm: On P with bypass compensator	32
F26	ISO 03: On A and B	33
FA6	ISO 03: On A	34
FB2	ISO 03: A or B to T with make up check	35
FB4	ISO 03: On A or B with reverse flow check	36
FB6	ISO 03: On B	37
FBA	ISO 03: A or B to T	38
FBC	ISO 03: A to B or B to A	39
FBN	ISO 03: P to T	40
FBP	ISO 03: P to T	41
FBT	ISO 03: Out of T	42
FBX	ISO 03: A and B to T	43
FBY	ISO 03: A to B and B to A	44
FC6	ISO 03: A to T	45
FD6	ISO 03: B to A	46
FE6	ISO 03: P to A and B to T	47

FF6	ISO 03: A to B	48
FH6	ISO 03: B to T	49
FJ6	ISO 03: A and B to T	50
FP6	ISO 03: On P	51
FR6	ISO 03: On T	52
FT6	ISO 03: P to T	53
GBA	ISO 03: Flow into or out of workport A or B	54
GBC	ISO 03: A or B to T - Mirror	55
GBD	ISO 03: Flow into or out of workport A or B	56
GBE	ISO 03: A or B to T	57
GBF	ISO 03: A and B to T	58
GBN	ISO 03: A to B or B to A	59
GBO	ISO 03: Into P or out of T	60
GBP	ISO 03: Into P or out of T	61
GBQ	ISO 03: P to T	62
GBS	ISO 03: A to B or B to A	63
GBW	ISO 03: A or B to P or T	64
GBX	ISO 03: A and B to T	65
GBY	ISO 03: Flow into workports A and B or out of A and B	66
GBZ	ISO 03: Flow into workports A and B or out of A and B	67
GDA	ISO 03: Flow into or out of workport A or B	68
GDD	ISO 03: Flow into or out of workport A or B	69
GDE	ISO 03: T to A or T to B	70

GDF	ISO 03: T to A and B	.....71
GDO	ISO 03: Into P or out of T	.....72
GDP	ISO 03: Into P or out of T	.....73
GDQ	ISO 03: T to P	.....74
GDW	ISO 03: A or B to T	.....75
GDX	ISO 03: T to A and B	.....76
GDY	ISO 03: Flow into workports A and B or out of A and B	.....77
GDZ	ISO 03: Flow into workports A and B or out of A and B	.....78
JBU	ISO 03 - 30mm: On B, port 3 to A	.....79
JBV	ISO 03 - 30mm: On A, port 3 to B	.....80
JBW	ISO 03 - 30mm: On A and B with cross pilot	.....81
JBX	ISO 03 - 30mm: On P, port 3 to T	.....82
JBY	ISO 03 - 30mm: On P, port 3 to T	.....83
JBZ	ISO 03 - 30mm: P to T, port 3 external	.....84
MB2	ISO 03: Reducer/reliever on A with reverse flow check and port 4 external	.....85
MB3	ISO 03: Reducer/reliever on B with reverse flow check and port 4 external	.....86
MBA	ISO 03: On A, port 3 to B and port 4 to T	.....87
MBB	ISO 03: On B, port 3 to A and port 4 to T	.....88
MBJ	ISO 03: On A or B	.....89
MBP	ISO 03: On P, port 3 to T and port 4 external	.....90
MBY	ISO 03: On A and B with cross pilot and port 4 to T	.....91
U3G	ISO 03: Cover manifold, reducer on P to A, tank to T	.....92
U3T	ISO 03: On B with free flow check	.....93

U3X	ISO 03: Blocking valves on A and B	94
U4D	ISO 03: On A and B, meter out	95
U4F	ISO 03: Reducer on A with reverse flow check	96
U5D	ISO 03: On P with restrictive compensator	97
U7D	ISO 03: Into P and out of T	98
U7M	ISO 03: Cover manifold, 4 way, combined ports 1 to P, ports 2 to A and B and combined ports 3 to T	99
U7N	ISO 03: Cover manifold, 4 way, combined ports 1 to P, ports 2 to A and B and combined ports 3 to T	100
U7P	ISO 03: On B with free flow check	101
U7U	ISO 03: Cushion lock	102
U8R	ISO 03: Reducer on A with reverse flow check	103
VFY	ISO 03: On A or B, port 3 to opposite side	104
VGG	ISO 03: On P, port 3 to T	105
VGQ	ISO 03: Adaptor - Switches ports P and T	106
W32	ISO 03 - 50mm: On P, port 3 to T	107
W37	ISO 03 - 30mm: P to T	108
W3A	ISO 03: Cover manifold, 3 way, port 1 to A, port 2 to P and port 3 to T	109
W3B	ISO 03: Cover manifold, 3 way, port 1 to B, port 2 to P and port 3 to T	110
W3T	ISO 03: Cover manifold, P to A, B and T blocked	111
W4D	ISO 03 - 40mm: P to T	112
W4E	ISO 03 - 40mm: A to B and B to A	113
W4F	ISO 03 - 40mm: A to T	114
W4G	ISO 03 - 40mm: B to T	115
W4H	ISO 03 - 40mm: A and B to T	116

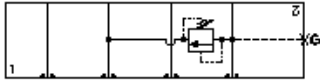
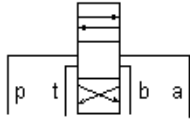
W4I	ISO 03 - 40mm: On P, port 3 to T - Mirror	117
W4J	ISO 03 - 40mm: On P, port 3 to A	118
W4K	ISO 03 - 40mm: On P, port 3 to B	119
W4L	ISO 03 - 40mm: On P, port 3 to T	120
W4M	ISO 03 - 40mm: On A, port 3 to B	121
W4N	ISO 03 - 40mm: On B, port 3 to A	122
W4O	ISO 03 - 40mm: Meter in A and B	123
W4P	ISO 03 - 40mm: Meter out A and B	124
W5H	ISO 03 - 40mm: Out of A	125
W5I	ISO 03 - 40mm: Out of B	126
W5J	ISO 03 - 40mm: A to B	127
W5V	ISO 03: Cover manifold, 4 way, port 1 to T, port 2 to A, port 3 to P and port 4 to B	128
W7M	ISO 03: Tap in manifold - P,T,A and B	129
W7N	ISO 03: Tap in manifold - P,T,A and B	130
W7O	ISO 03: Tap in manifold - P,T,A and B	131
W9D	ISO 03: Cover manifold, A to T, P and B blocked	132
W9U	ISO 03 - 40mm: P to T - Mirror	133
W9V	ISO 03 - 40mm: On P, port 3 to T	134
W9Z	ISO 03: Cover manifold, P to T, A and B blocked	135
WBA	ISO 03: P to T, port 3 to A or B	136
WBN	ISO 03: Priority flow control on P, bypass to T	137
WCD	ISO 03: Cover manifold, P to T, A and B blocked	138
WCH	ISO 03: Cover manifold, tap in, P,T,A and B	139

WCJ	ISO 03: Cover manifold, tap in, P,T,A and B	140
WCK	ISO 03: Cover manifold, tap in, P,T,A and B	141
WHP	ISO 03: Tap in manifold - P and T	142
WHQ	ISO 03: Tap in manifold - P and T	143
WHR	ISO 03: Tap in manifold - P and T	144
WJE	ISO 03 - 50mm: Cover manifold, 4 way, port 1 to T, port 2 to A, port 3 to P and port 4 to B, accepts weatherized coils	145
WJG	ISO 03: Cover manifold, P to A and B, T blocked	146
WU2	ISO 03 - 40mm: Cover manifold, P to A	147
WU3	ISO 03 - 40mm: Cover manifold, 3 way, port 1 to T, port 2 to A, port 3 to P	148
WU4	ISO 03 - 40mm: Cover manifold, 4 way, port 1 to T, port 2 to A, port 3 to P and port 4 to B	149
X2N	ISO 03 - 40mm: P to T	150
X2Q	ISO 03 - 40mm: On P, port 3 to T - Mirror	151
X2V	ISO 03 - 40mm: On P, port 3 to T	152
X2X	ISO 03 - 40mm: On P, port 3 to A	153
X2Y	ISO 03 - 40mm: On P, port 3 to B	154
X5X	ISO 03: Flow into or out of workport A or B	155
X6E	ISO 03 - 40mm: Cover manifold, reducer on P to A, tank to T	156
X6F	ISO 03 - 40mm: Cover manifold, reducer on P to A, tank to T	157
X6G	ISO 03 - 40mm: Cover manifold, reducer on P to B, tank to T	158
X6H	ISO 03 - 40mm: Cover manifold, reducer on P to B, tank to T	159
X6W	ISO 03: Tap in manifold - A and B	160
X7A	ISO 03: Cover manifold, 4 way, ports 1 to A and B, combined ports 2 to P and combined ports 3 to T	161
X7B	ISO 03: Cover manifold, 4 way, ports 1 to A and B, combined ports 2 to P and combined ports 3 to T	162

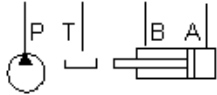
X7F	ISO 03 - 40mm: Meter in A	163
X7G	ISO 03 - 40mm: Meter in B	164
X7K	ISO 03 - 30mm: Out of A, check on P	165
X7L	ISO 03: Cover manifold, 4 way, combined ports 1 to T, ports 2 to A and B and combined ports 3 to P	166
X7M	ISO 03: Cover manifold, 4 way, combined ports 1 to T, ports 2 to A and B and combined ports 3 to P	167
X7V	ISO 03: Through A and B, P and T external	168
X8B	ISO 03: On P, port 3 to T - Mirror	170
X8N	ISO 03: Into P or out of T - Mirror	171
X9C	ISO 03 - 40mm: Cover manifold, 4 Way, Port 1 to A, Port 2 to P, Port 3 to B, Port 4 to T	172
Z2H	ISO 03: Stand off spacer block	173
Z3N	ISO 03: Priority flow control on A with reverse flow check	174
Z3O	ISO 03: Priority flow control on B with reverse flow check	175
Z4C	ISO 03: On P or T	176
Z6F	ISO 03: A to T, PO check on A, port 3 to B	177
Z6G	ISO 03: B to A, PO check on B with pilot from A	178
Z6N	ISO 03 - 40mm: A to B	179
Z6P	ISO 03 - 40mm: B to A	180
Z6Q	ISO 03 - 40mm: On A and B with cross pilot	181
Z6R	ISO 03 - 40mm: Out of T	182
Z6S	ISO 03 - 40mm: On P	183
ZEE	ISO 03: Cover manifold, B to T	184
ZJR	ISO 03: Cover manifold, all ports blocked	185
ZJS	ISO 03: Cover manifold, P to A and B to T	186

ZJT	ISO 03: Cover manifold, P to B and A to T	187
ZJV	ISO 03: Cover manifold, P to T	188
ZJW	ISO 03: Cover manifold, A to B	189
ZKX	ISO 03: Adaptor - Switches ports A and B	190
ZPJ	ISO 03: Cover manifold, 4 way, ports 1 to A and B, combined ports 2 to P and combined ports 3 to T	191
ZPT	ISO 03: Tap in manifold - P and A or P and B or T and A or T and B	192
ZTA	ISO 03 - 50mm: Bypass compensator	193
ZTT	ISO 03: On P, port 3 to T	194
ZUO	ISO 03: Tap in manifold - A and B	195
ZVB	ISO 03: Tap in manifold - A and B	196
ZVC	ISO 03: Tap in manifold - P and A or P and B or T and A or T and B	197
ZVT	ISO 03: Adaptor from Cetop 3 to Cetop 5 (metric)	198
ZWE	ISO 03: Cover manifold, P to B	199
ZWU	ISO 03: Adaptor from Cetop 3 to Cetop 5 (US)	200
ZWV	ISO 03: Tap in manifold - A and B	201
ZWW	ISO 03: Tap in manifold - P and A or P and B or T and A or T and B	202

Series	Ports	Cavities
Series Z Cartridges 3/8-24 UNF Cartridge Thread 5 mm Valve Hex Size 11 - 14 Nm Valve Installation Torque	3-Port	T-382A
Series P Cartridges M16 Cartridge Thread 22,2 mm Valve Hex Size 27 - 33 Nm Valve Installation Torque	2-Port 2-Port (Deep) 3-Port	T-8A T-8DP T-9A
Series 0 Cartridges M16 Cartridge Thread 19,1 mm Valve Hex Size 25,4 mm Valve Hex Size 27 - 33 Nm Valve Installation Torque	2-Port 2-Port (Deep) 3-Port 3-Port 4-Port	T-162A T-162DP T-150A T-163A T-30A
Series 1 Cartridges M20 Cartridge Thread 22,2 mm Valve Hex Size 41 - 47 Nm Valve Installation Torque	2-Port 2-Port 3-Port 4-Port 4-Port 6-Port	T-10A T-13A T-11A T-21A T-31A T-61A
Series 2 Cartridges 1"-14 UNS Cartridge Thread 28,6 mm Valve Hex Size 61 - 68 Nm Valve Installation Torque	2-Port 2-Port 3-Port 4-Port 4-Port 4-Port (Dual path) 6-Port 6-Port	T-3A T-5A T-2A T-22A T-32A T-52AD T-52A T-62A
Series 3 Cartridges M36 Cartridge Thread 31,8 mm Valve Hex Size 203 - 217 Nm Valve Installation Torque	2-Port 3-Port 4-Port 4-Port 4-Port (Dual path) 6-Port 6-Port	T-16A T-17A T-23A T-33A T-53AD T-53A T-63A
Series 4 Cartridges M48 Cartridge Thread 41,3 mm Valve Hex Size 474 - 508 Nm Valve Installation Torque	2-Port 2-Port (Undercut) 3-Port 3-Port (Undercut) 4-Port 4-Port (Undercut) 4-Port 4-Port (Dual path) 6-Port 6-Port	T-18A T-18AU T-19A T-19AU T-24A T-24AU T-34A T-54AD T-54A T-64A



Relief, A to T High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	A to T
Stack Height	30 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
ABP, /V	Gage Port (Plugged): 1/4" NPTF;
ABP/M, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

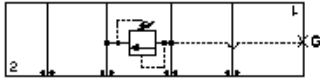
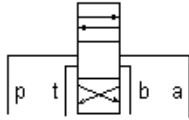
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

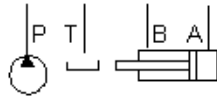
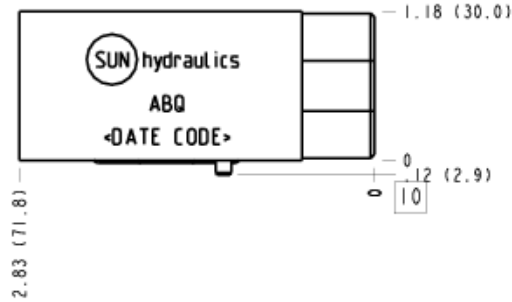
Model Code Example: **ABP**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



Relief, B to T High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	B to T
Stack Height	30 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
ABQ, /10, /11, /15, /16, /V	Gage Port (Plugged): 1/4" NPTF;
ABQ/1A, /1B, /1F, /1G, /M, /Z	Gage Port (Plugged): 1/4" BSPP;

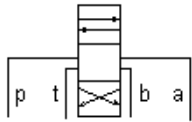
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS
Model Code Example: ABQ

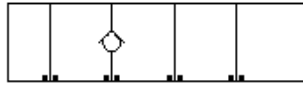
MODIFIER

6061-T651 Aluminum, Buna-N
/11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/V 6061-T651 Aluminum, Viton
/16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/M 6061-T651 Aluminum, Metric, Buna-N
/1B 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/1A 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/Z 6061-T651 Aluminum, Metric, Viton
/1G 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/1F 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/S 65-45-12 Ductile Iron, Buna-N, Chem. Black
/S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
/Y 65-45-12 Ductile Iron, Viton, Chem. Black
/Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
/T 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
/T3 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
/W 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
/W3 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer

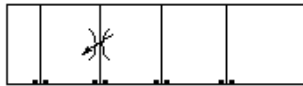


TECHNICAL DATA

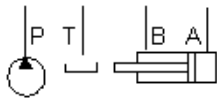
Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	Out of T
Stack Height	30 mm



Check, On T



Flow Control, Meter-Out, T



NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

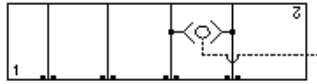
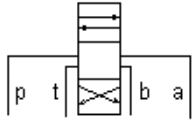
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

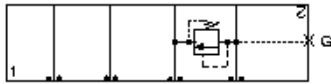
CONFIGURATION OPTIONS
Model Code Example: ABS

MODIFIER

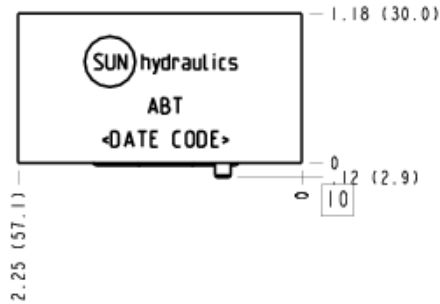
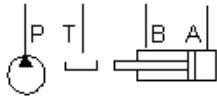
- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Circuit Saver, Shuttle A and B, output external



Relief, A to B High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	On A and B
Stack Height	30 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

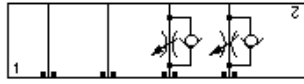
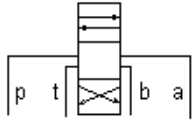
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

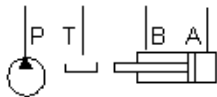
Model Code Example: **ABT**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Flow Control, Meter-In, A and B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	On A and B
Stack Height	30 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

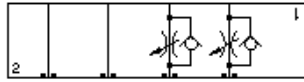
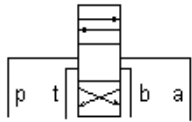
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

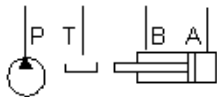
Model Code Example: **ABU**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Flow Control, Meter-Out, A and B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	Out of A and B
Stack Height	30 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

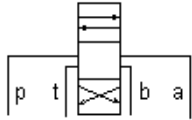
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

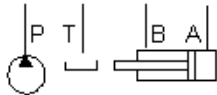
Model Code Example: **ABV**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Relief, A and B to T High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	A and B to T
Stack Height	30 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

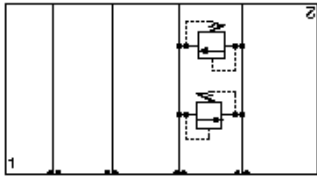
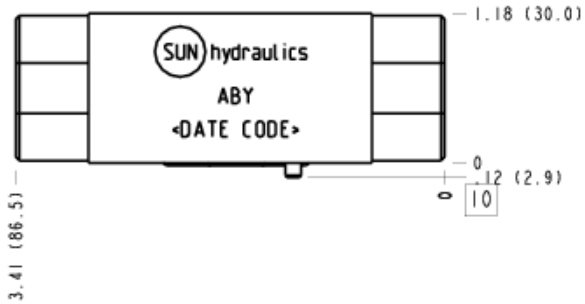
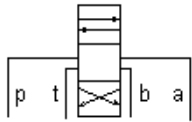
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

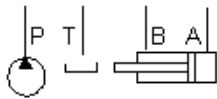
Model Code Example: ABX

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Relief, A to B and B to A



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	A to B and B to A
Stack Height	30 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

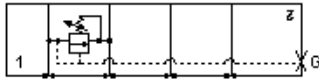
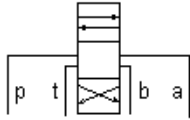
CONFIGURATION OPTIONS

Model Code Example: **ABY**

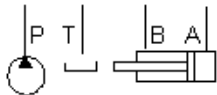
MODIFIER

6061-T651 Aluminum, Buna-N

- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V 6061-T651 Aluminum, Viton
- /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Relief, P to T High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	P to T
Stack Height	30 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
ABZ, /V	Gage Port (Plugged): 1/4" NPTF;
ABZ/M, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

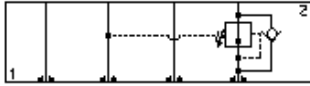
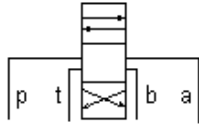
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

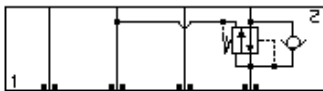
Model Code Example: **ABZ**

MODIFIER

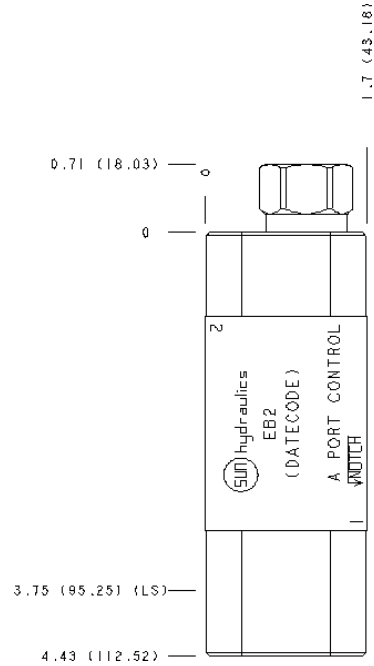
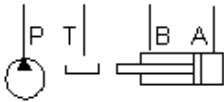
- 6061-T651 Aluminum, Buna-N**
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



Reducing, On A with reverse flow check



Reducing/Relieving, On A tank to T with reverse flow check



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Reducer on A with reverse flow check
Stack Height	44,5 mm

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

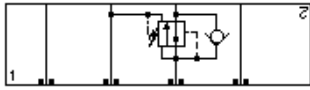
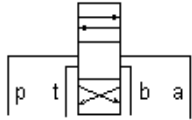
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-250	Plug	2
CXDAXCN	Cartridge	1

CONFIGURATION OPTIONS

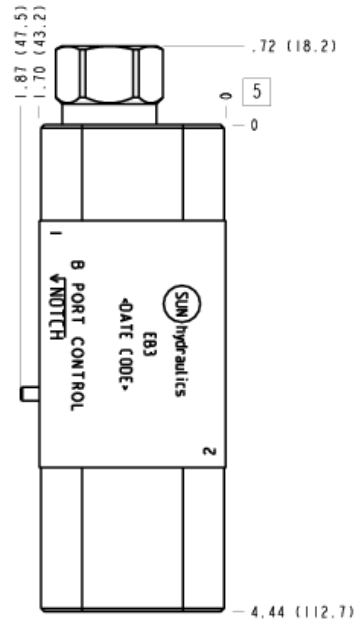
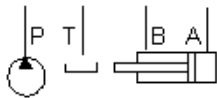
Model Code Example: EB2

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Reducing/Relieving, On B tank to T with reverse flow check



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Reducer on B with reverse flow check
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

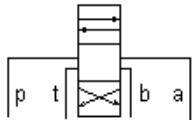
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-250	Plug	2
CXDAXCN	Cartridge	1

CONFIGURATION OPTIONS

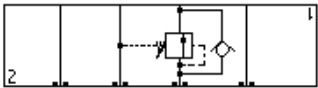
Model Code Example: EB3

MODIFIER

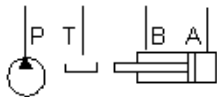
- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Sequence, In to A with reverse flow check



Sequence, Out of B with reverse flow check



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Sequence into A or out of B with reverse flow check
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

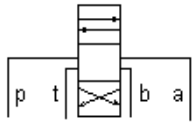
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-250	Plug	2
CXCDXAN	Cartridge	1

CONFIGURATION OPTIONS

Model Code Example: EB4

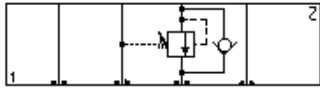
MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened

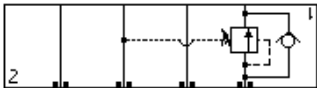


TECHNICAL DATA

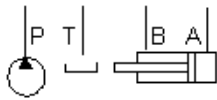
Body Type	Sandwich
Interface	ISO 03
Body Features	Sequence into B or out of A with reverse flow check
Stack Height	44,5 mm



Sequence, In to B with reverse flow check



Sequence, On A with reverse flow check



NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

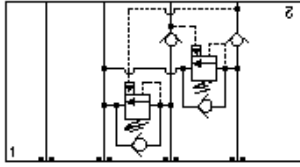
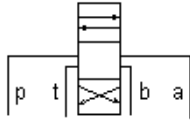
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-250	Plug	2
CXCDXAN	Cartridge	1

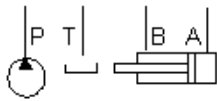
CONFIGURATION OPTIONS
Model Code Example: EB5

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Counterbalance, Cushion Lock



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cushion lock
Stack Height	63 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

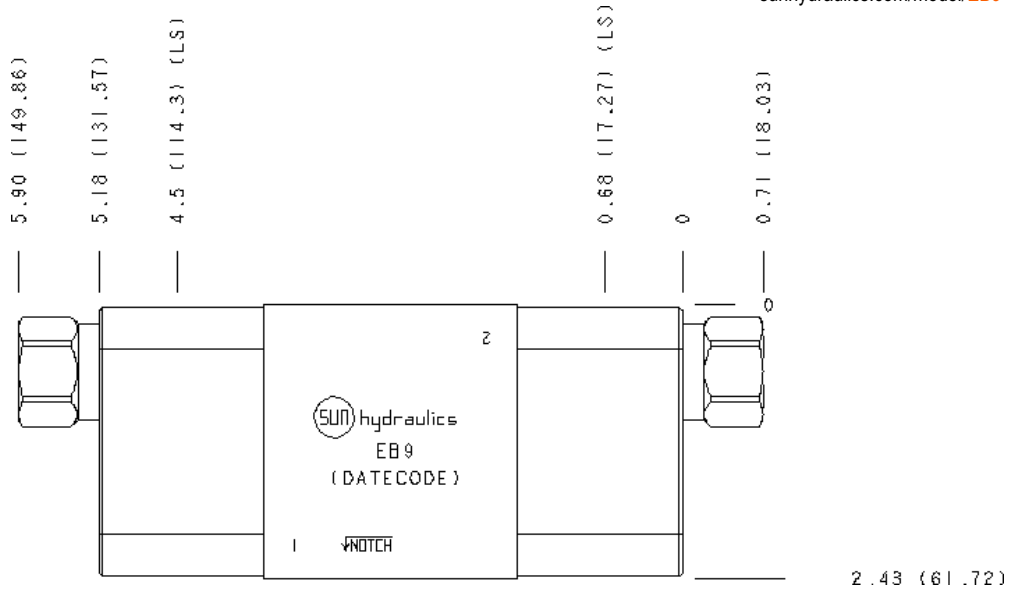
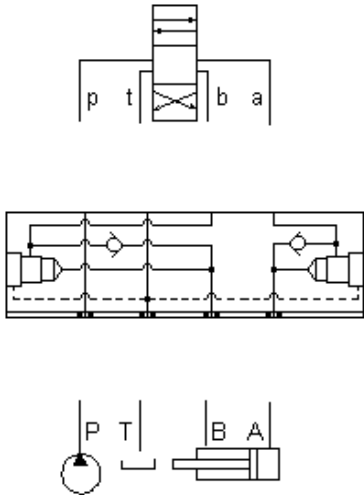
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-156	Plug	2
CXDCXCN	Cartridge	2

CONFIGURATION OPTIONS

Model Code Example: EB8

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S* 65-45-12 Ductile Iron, Buna-N, Blackened
- /V* 6061-T651 Aluminum, Viton
- /Y* 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Reducer on A and B with reverse flow check
Stack Height	63 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

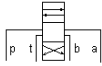
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-250	Plug	2
CXDAXCN	Cartridge	2

CONFIGURATION OPTIONS

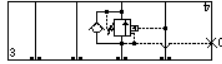
Model Code Example: **EB9**

MODIFIER

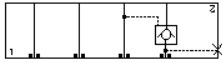
- 6061-T651 Aluminum, Buna-N**
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



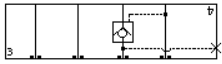
Counterbalance, On A, Pilot from B



Counterbalance, On B, Pilot from A



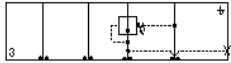
Pilot Operated Check, On A Pilot from B



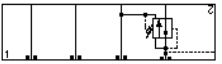
Pilot Operated Check, On B Pilot from A



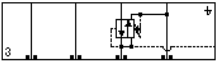
Reducing, On A drain to B



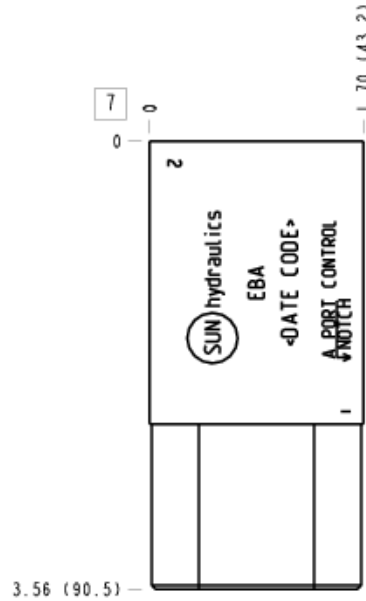
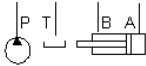
Reducing, On B drain to A



Reducing/Relieving, On A tank to B



Reducing/Relieving, On B tank to A



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A or B, port 3 to opposite side
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Customer to install locating pin according to functional orientation required.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBA, /S, /V, /Y	Gage Port (Plugged): 1/4" NPTF;
EBA/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

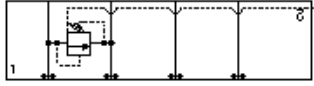
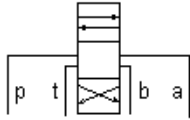
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-250	Plug	1

CONFIGURATION OPTIONS

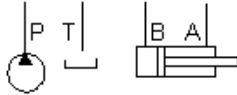
Model Code Example: EBA

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M 6061-T651 Aluminum, Metric, Buna-N
 - /S 65-45-12 Ductile Iron, Buna-N, Blackened
 - /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
 - /V 6061-T651 Aluminum, Viton
 - /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
 - /Y 65-45-12 Ductile Iron, Viton, Blackened
 - /Z 6061-T651 Aluminum, Metric, Viton



Relief, P to T, Port 3 External



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	P to T, port 3 external
Stack Height	44,5 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBC, /V	Vent Port: SAE 6;
EBC/M, /Z	Vent Port: 1/4" BSPP;

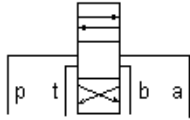
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

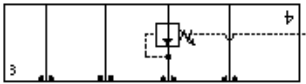
CONFIGURATION OPTIONS
Model Code Example: EBC

MODIFIER

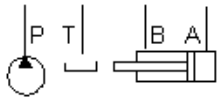
- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



Reducing, On A, external drain



Reducing, On B port 3 external



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A or B, port 3 external
Stack Height	44,5 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBD, /V	Drain Port: SAE 6;
EBD/M, /Z	Drain Port: 1/4" BSPP;

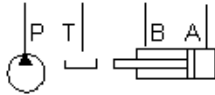
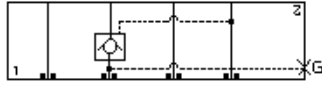
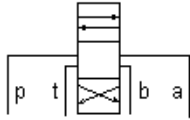
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS
Model Code Example: EBD

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On T, port 3 to A
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBG, /10, /11, /15, /16, /S, /S3, /V, /Y, /Y3	Gage Port: 1/4" NPTF;
EBG/1A, /1B, /1F, /1G, /M, /T, /T3, /W, /W3, /Z	Gage Port: 1/4" BSPP;

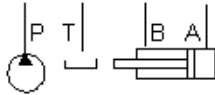
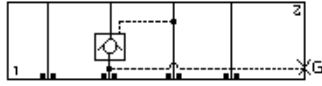
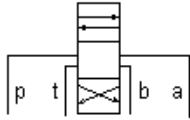
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	1

CONFIGURATION OPTIONS
Model Code Example: EBG

MODIFIER

6061-T651 Aluminum, Buna-N
/11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/V 6061-T651 Aluminum, Viton
/16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/M 6061-T651 Aluminum, Metric, Buna-N
/1B 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/1A 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/Z 6061-T651 Aluminum, Metric, Viton
/1G 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/1F 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/S 65-45-12 Ductile Iron, Buna-N, Chem. Black
/S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
/Y 65-45-12 Ductile Iron, Viton, Chem. Black
/Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
/T 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
/T3 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
/W 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
/W3 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On T, port 3 to B
Stack Height	44,5 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBH, /V	Gage Port: 1/4" NPTF;
EBH/M, /Z	Gage Port: 1/4" BSPP;

INCLUDED COMPONENTS

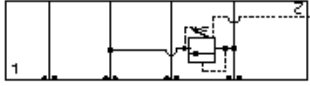
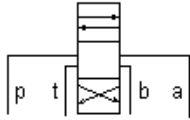
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	1

CONFIGURATION OPTIONS

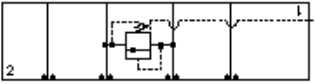
Model Code Example: EBH

MODIFIER

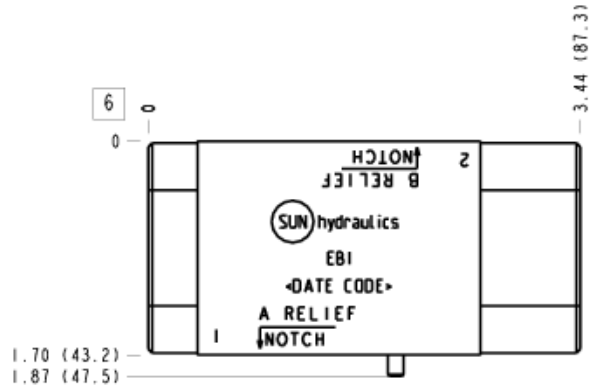
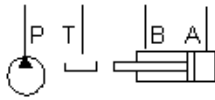
- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



Relief, A to T External Port 3



Relief, B to T External Port 3



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A or B to T, port 3 external
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBI, /10, /11, /15, /16, /V	Vent Port: SAE 6;
EBI/1A, /1B, /1F, /1G, /M, /Z	Vent Port: 1/4" BSPP;

INCLUDED COMPONENTS

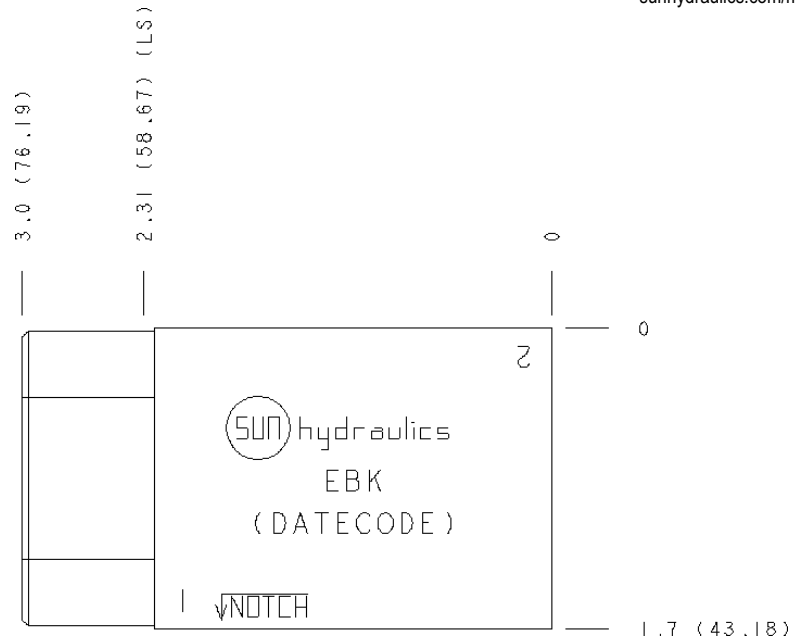
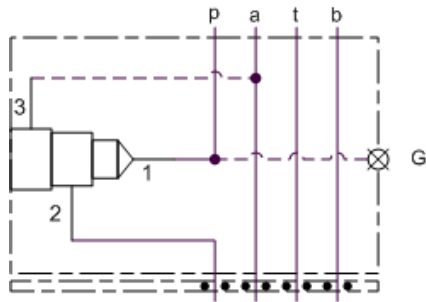
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: EBI

MODIFIER

6061-T651 Aluminum, Buna-N
/11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/V 6061-T651 Aluminum, Viton
/16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/M 6061-T651 Aluminum, Metric, Buna-N
/1B 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/1A 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/Z 6061-T651 Aluminum, Metric, Viton
/1G 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/1F 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/S 65-45-12 Ductile Iron, Buna-N, Chem. Black
/S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
/Y 65-45-12 Ductile Iron, Viton, Chem. Black
/Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
/T 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
/T3 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
/W 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
/W3 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P, port 3 to A
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBK, /10, /11, /15, /16, /S, /S3, /Y, /Y3	Gage Port: 1/4" NPTF;
EBK/1A, /1B, /1F, /1G, /M, /T, /T3, /W, /W3, /Z	Gage Port: 1/4" BSPP;

INCLUDED COMPONENTS

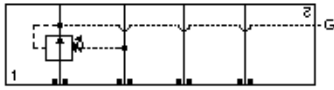
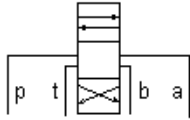
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	1

CONFIGURATION OPTIONS
Model Code Example: EBK

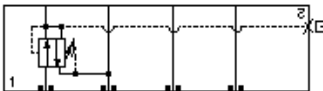
MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /1B** 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /1A** 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /Z** 6061-T651 Aluminum, Metric, Viton
- /1G** 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /1F** 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black

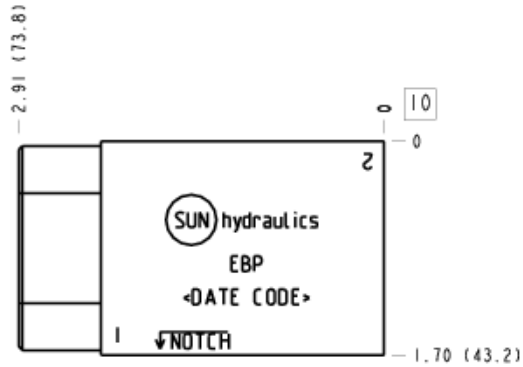
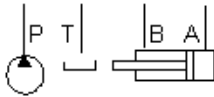
/T3 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
/W 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
/W3 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer



Reducing, On P, drain to T



Reducing/Relieving, On P tank to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P, port 3 to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBP, /S, /V, /Y	Gage Port (Plugged): 1/4" NPTF;
EBP/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

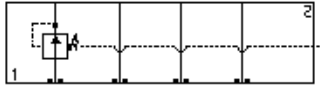
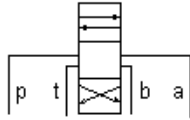
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	1

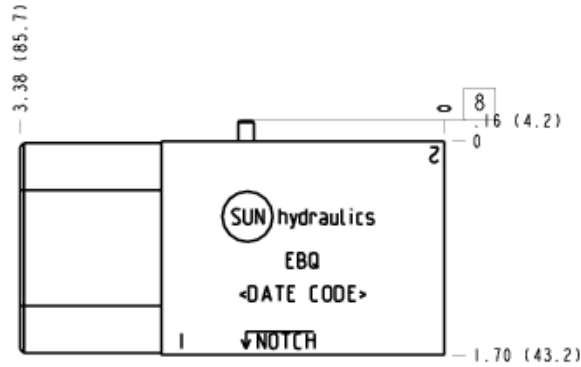
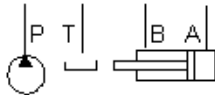
CONFIGURATION OPTIONS
Model Code Example: EBP

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



Reducing, On P, external drain



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P, port 3 external
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Customer to install locating pin according to functional orientation required.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBQ, /10, /11, /15, /16, /V	Drain Port: SAE 6;
EBQ/1A, /1B, /1F, /1G, /M, /Z	Drain Port: 1/4" BSPP;

INCLUDED COMPONENTS

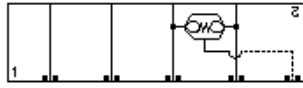
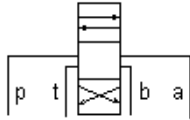
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

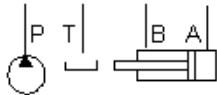
Model Code Example: EBQ

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /V 6061-T651 Aluminum, Viton
 - /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /M 6061-T651 Aluminum, Metric, Buna-N
 - /1B 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /1A 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /Z 6061-T651 Aluminum, Metric, Viton
 - /1G 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /1F 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
 - /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /Y 65-45-12 Ductile Iron, Viton, Chem. Black
 - /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
 - /T 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
 - /T3 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /W 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
 - /W3 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer



Circuit Saver, Checks from A and B, Output to Y Port



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	ISO 05 - X & Y to ISO 03 Adaptor for load sense
Stack Height	36,5 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

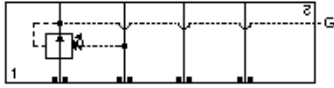
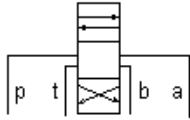
Part	Description	Quantity
500-001-010	O-Ring	1
500-001-014	O-Ring	5

CONFIGURATION OPTIONS

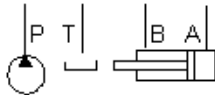
Model Code Example: EBS

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Reducing, On P, drain to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P, port 3 to T - Mirror
Stack Height	44,5 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBV, /V	Gage Port: 1/4" NPTF;
EBV/M, /Z	Gage Port: 1/4" BSPP;

INCLUDED COMPONENTS

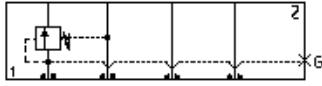
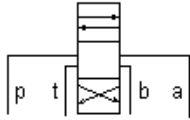
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	1

CONFIGURATION OPTIONS

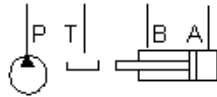
Model Code Example: EBV

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



Sequence, On P port 3 to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P, port 3 to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
EBW, /S, /V, /Y	Gage Port (Plugged): 1/4" NPTF;
EBW/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	1

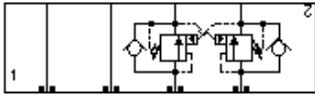
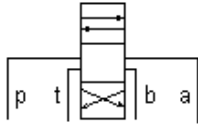
CONFIGURATION OPTIONS

Model Code Example: EBW

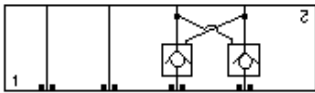
MODIFIER

6061-T651 Aluminum, Buna-N

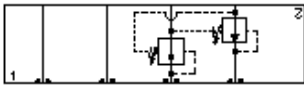
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



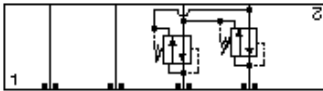
Counterbalance, On A and B, Cross-Piloted



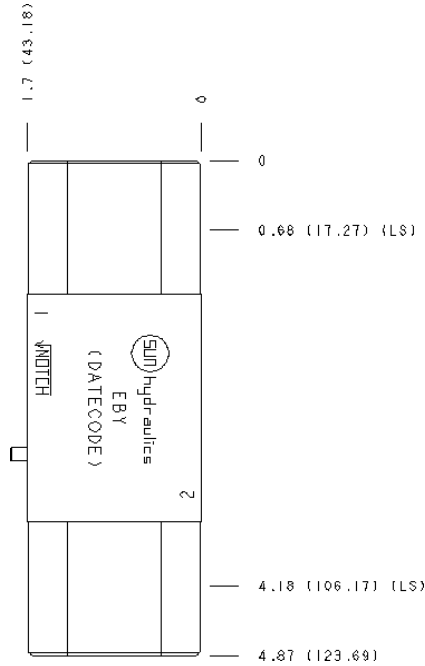
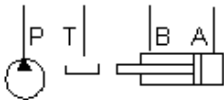
Pilot Operated Check, On A and B, Cross-Piloted



Reducing, On A and B drained to opposite port



Reducing/Relieving, On A and B drain to opposite port



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A and B with cross pilot
Stack Height	44,5 mm

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-250	Plug	2

CONFIGURATION OPTIONS

Model Code Example: EBY

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 50mm
Body Features	On P with bypass compensator
Seal Plate Included (see notes)	No

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

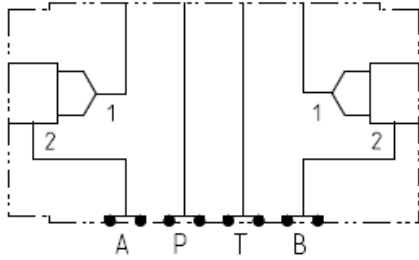
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	1
LRDCXHN	Cartridge	1

CONFIGURATION OPTIONS

Model Code Example: EUB

MODIFIER

6061-T651 Aluminum, Buna-N
/S 65-45-12 Ductile Iron, Buna-N, Blackened
/V 6061-T651 Aluminum, Viton
/Y 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A and B
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

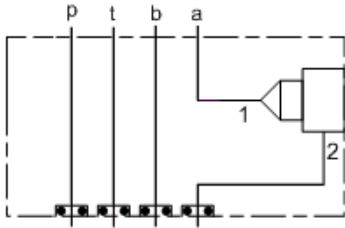
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: F26

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

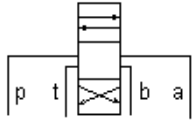
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: FA6

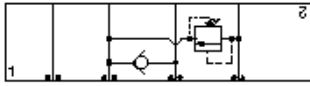
MODIFIER

- 6061-T651 Aluminum, Buna-N**
- IS** 65-45-12 Ductile Iron, Buna-N, Blackened
- IV** 6061-T651 Aluminum, Viton
- IY** 65-45-12 Ductile Iron, Viton, Blackened

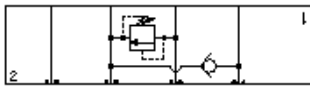


TECHNICAL DATA

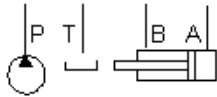
Body Type	Sandwich
Interface	ISO 03
Body Features	A or B to T with make up check
Stack Height	44,5 mm



Relief, A to T check T to B



Relief, B to T check T to A



NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

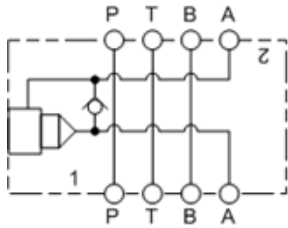
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
CXCDXAN	Cartridge	1

CONFIGURATION OPTIONS

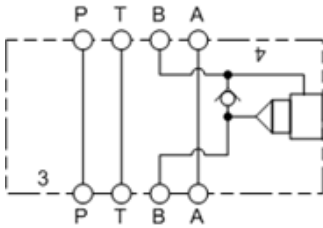
Model Code Example: FB2

MODIFIER

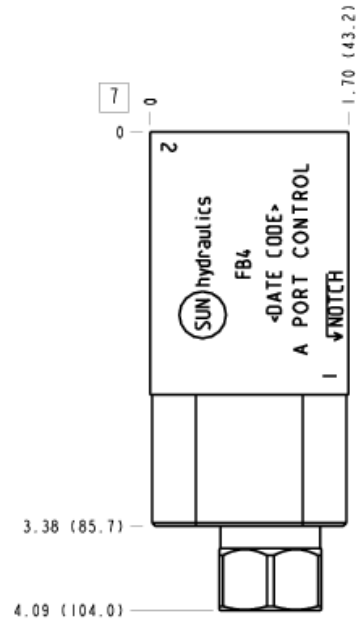
- 6061-T651 Aluminum, Buna-N**
- IS** 65-45-12 Ductile Iron, Buna-N, Blackened
- IV** 6061-T651 Aluminum, Viton
- IY** 65-45-12 Ductile Iron, Viton, Blackened



Relief on A



Relief on B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A or B with reverse flow check
Stack Height	44,5 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

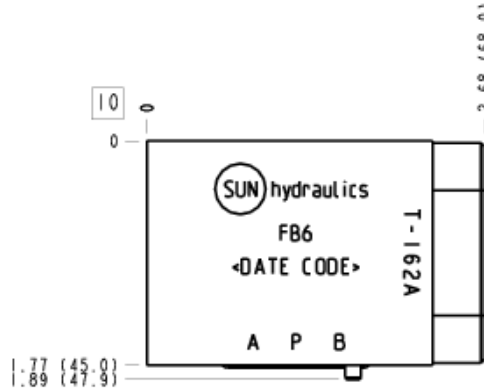
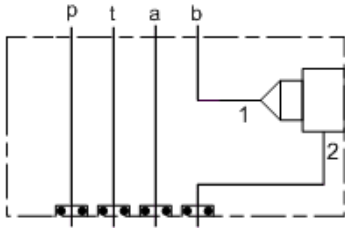
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
CXCDXAN	Cartridge	1

CONFIGURATION OPTIONS

Model Code Example: FB4

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S* 65-45-12 Ductile Iron, Buna-N, Blackened
- /V* 6061-T651 Aluminum, Viton
- /Y* 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On B
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

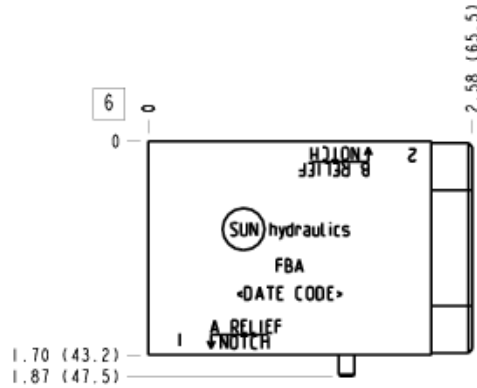
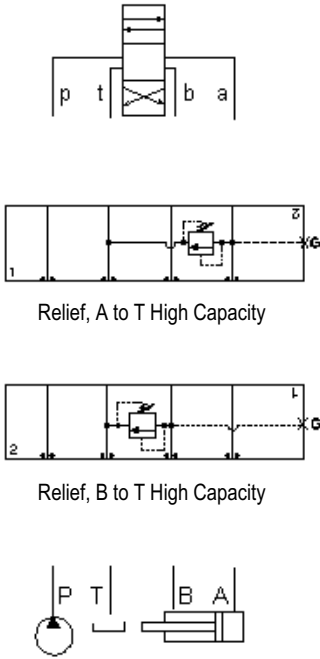
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: FB6

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A or B to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
FBA, /10, /11, /15, /16, /V	Gage Port (Plugged): 1/4" NPTF;
FBA/1A, /1B, /1F, /1G, /M, /Z	Gage Port (Plugged): 1/4" BSPP;

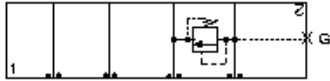
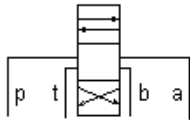
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

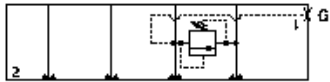
CONFIGURATION OPTIONS
Model Code Example: FBA

MODIFIER

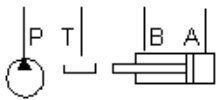
- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /V 6061-T651 Aluminum, Viton
 - /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /M 6061-T651 Aluminum, Metric, Buna-N
 - /1B 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /1A 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /Z 6061-T651 Aluminum, Metric, Viton
 - /1G 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /1F 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
 - /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /Y 65-45-12 Ductile Iron, Viton, Chem. Black
 - /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
 - /T 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
 - /T3 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /W 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
 - /W3 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer



Relief, A to B High Capacity



Relief, B to A High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A to B or B to A
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
FBC, /V	Gage Port (Plugged): 1/4" NPTF;
FBC/M, /Z	Gage Port (Plugged): 1/4" BSPP;

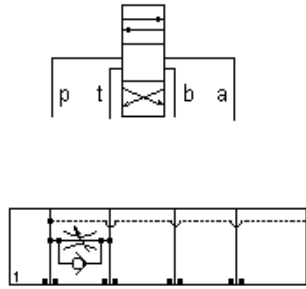
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

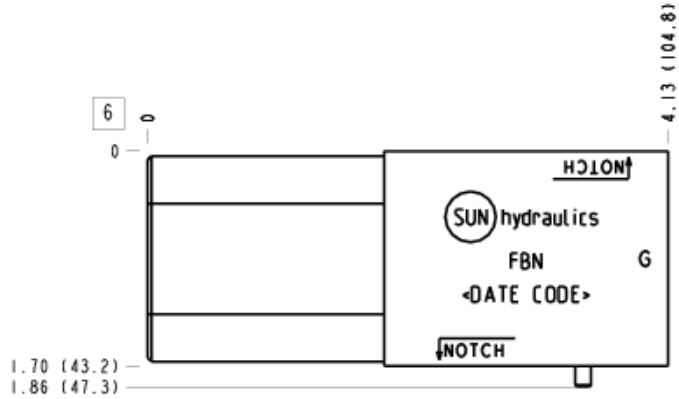
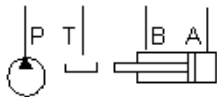
CONFIGURATION OPTIONS
Model Code Example: FBC

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



Flow Control, Bleed-Off, P to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	P to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

- NOTES**
- Stack height value in technical data table includes seal retainer plate.
 - **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

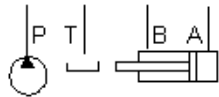
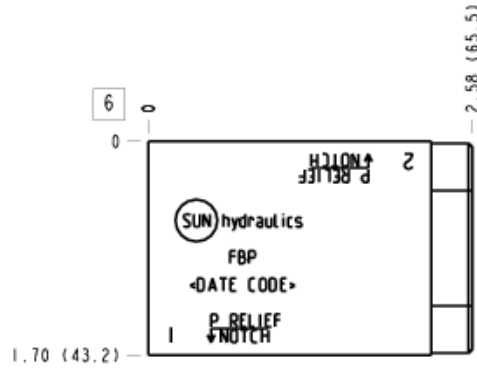
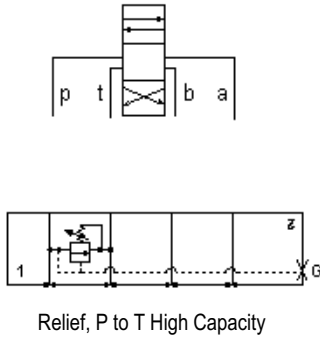
Part	Description	Quantity
340-001	Pipe Plug	1
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: **FBN**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /1B** 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /1A** 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
- /T3** 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	P to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
FBP, /S, /V, /Y	Gage Port (Plugged): 1/4" NPTF;
FBP/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

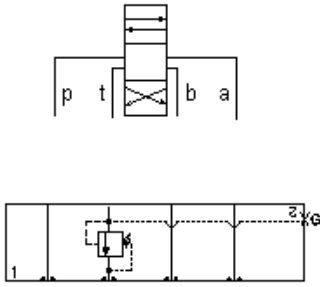
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

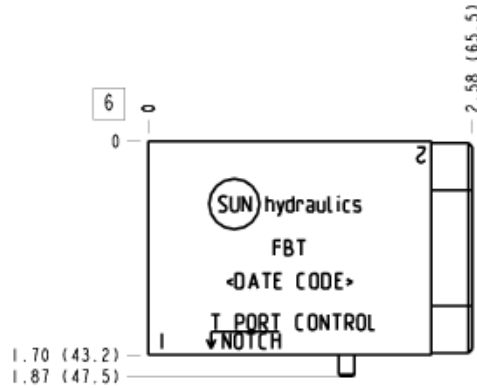
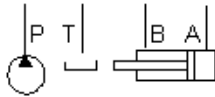
Model Code Example: **FBP**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



Relief, Out of T High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Out of T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Customer to install locating pin according to functional orientation required.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
FBT, /V	Gage Port (Plugged): 1/4" NPTF;
FBT/M, /Z	Gage Port (Plugged): 1/4" BSPP;

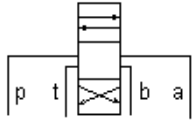
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

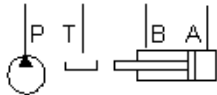
CONFIGURATION OPTIONS
Model Code Example: FBT

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



Relief, A and B to T High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A and B to T
Stack Height	44,5 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

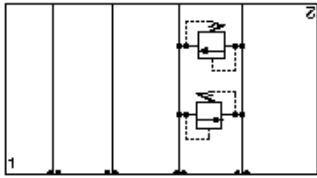
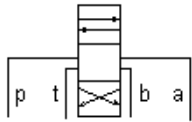
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

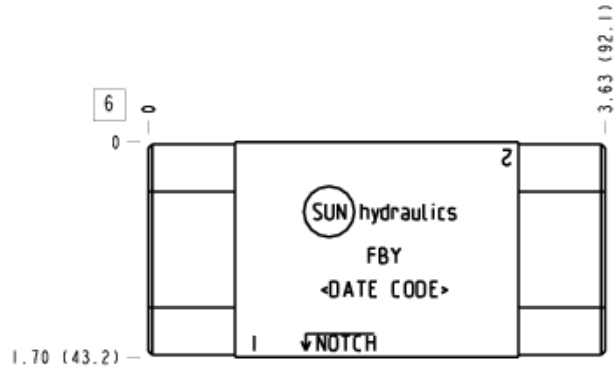
Model Code Example: **FBX**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Relief, A to B and B to A High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A to B and B to A
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

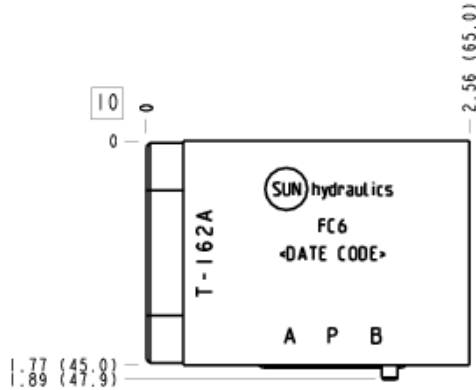
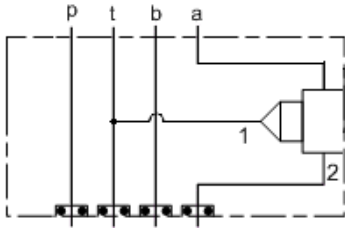
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: FBY

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- IS** 65-45-12 Ductile Iron, Buna-N, Blackened
- IV** 6061-T651 Aluminum, Viton
- IY** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A to T
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

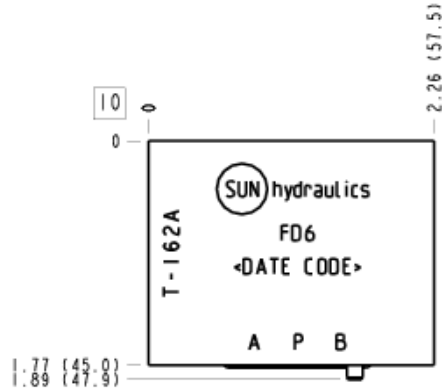
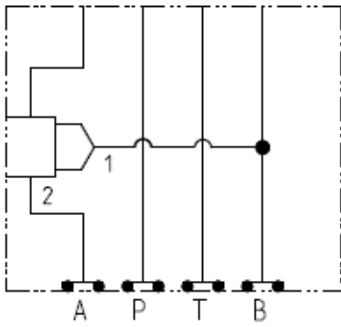
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: FC6

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	B to A
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

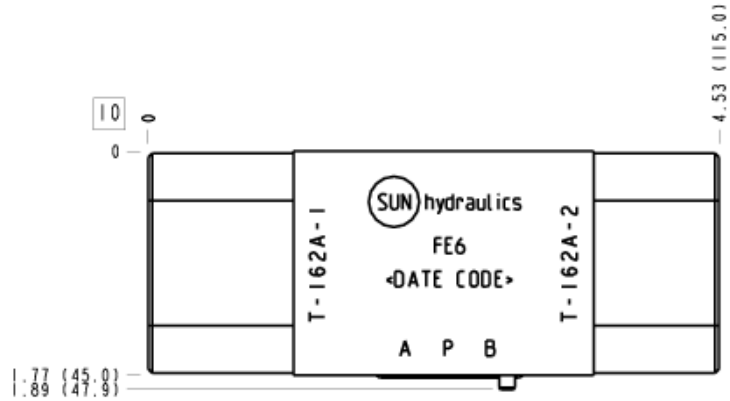
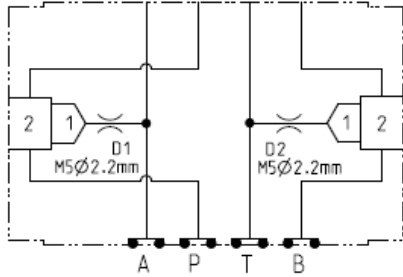
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: FD6

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S* 65-45-12 Ductile Iron, Buna-N, Blackened
- /V* 6061-T651 Aluminum, Viton
- /Y* 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	P to A and B to T
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

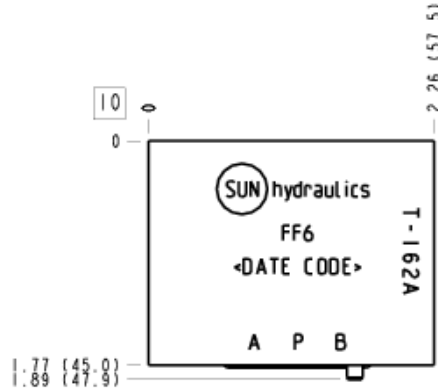
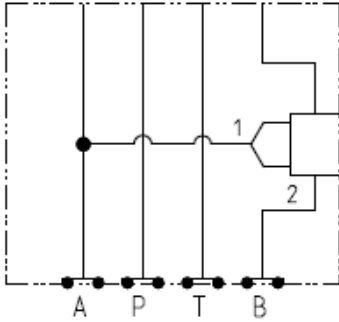
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: FE6

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- IS* 65-45-12 Ductile Iron, Buna-N, Blackened
- IV* 6061-T651 Aluminum, Viton
- IY* 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A to B
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

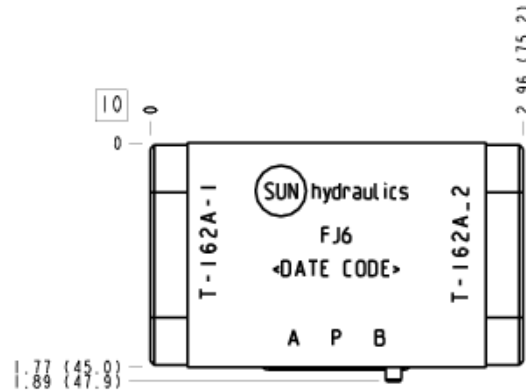
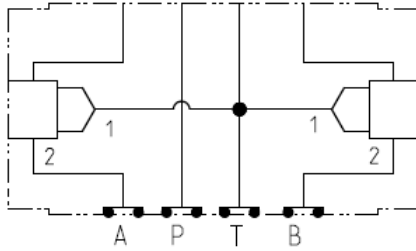
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: FF6

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A and B to T
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

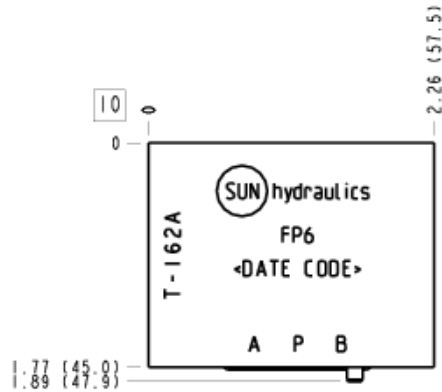
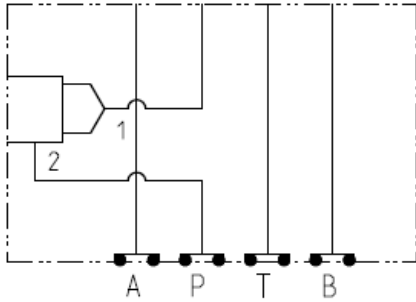
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: FJ6

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

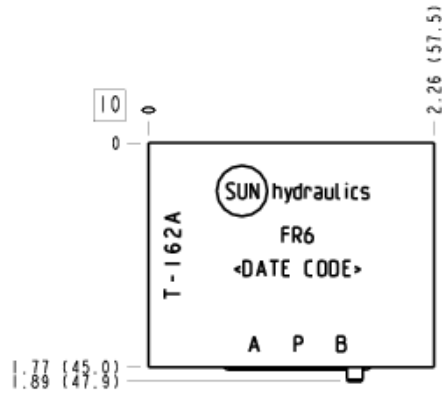
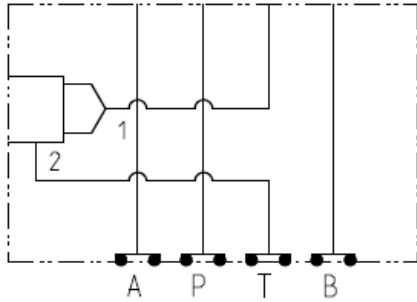
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: FP6

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On T
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

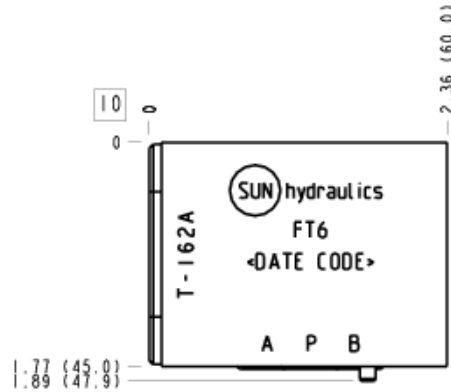
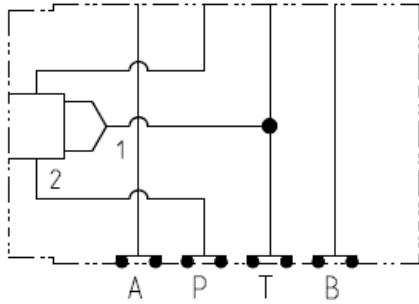
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: FR6

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	P to T
Stack Height	45 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

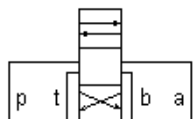
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

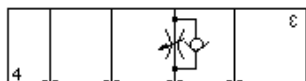
Model Code Example: FT6

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



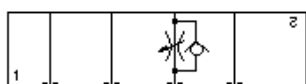
Flow Control, Meter-In A



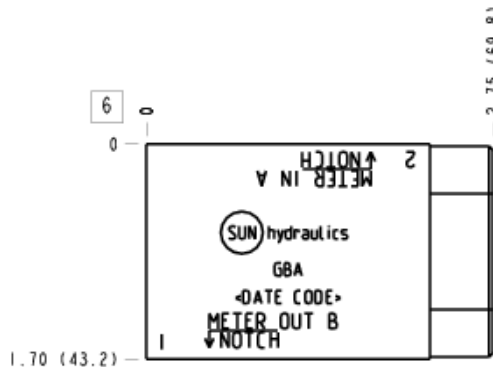
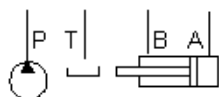
Flow Control, Meter-In, B



Flow Control, Meter-Out, A



Flow Control, Meter-Out, B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Flow into or out of workport A or B
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Customer to install locating pin according to functional orientation required.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

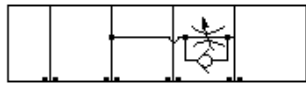
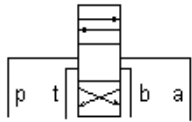
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

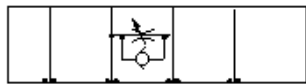
Model Code Example: GBA

MODIFIER

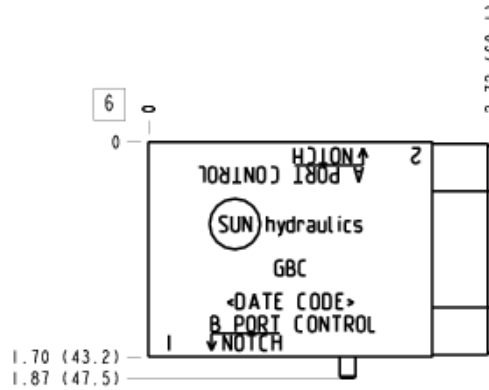
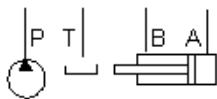
- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V 6061-T651 Aluminum, Viton
- /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Flow Control, Bleed-Off A to T



Flow Control, Bleed-Off B to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A or B to T - Mirror
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Customer to install locating pin according to functional orientation required.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

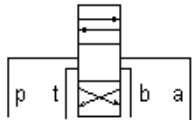
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

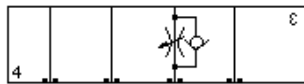
Model Code Example: GBC

MODIFIER

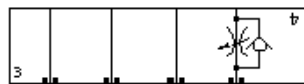
- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



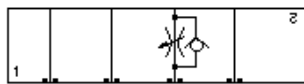
Flow Control, Meter-In A



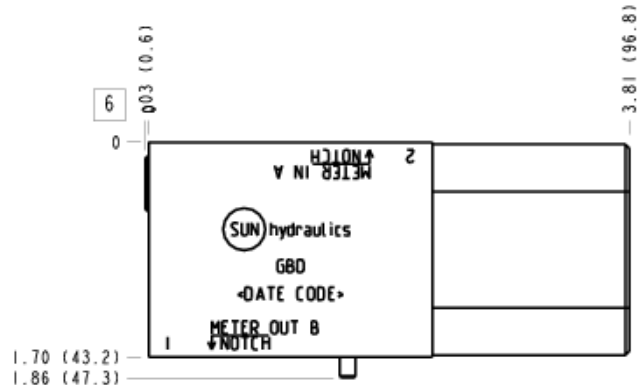
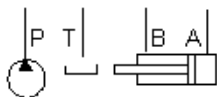
Flow Control, Meter-In, B



Flow Control, Meter-Out, A



Flow Control, Meter-Out, B



Sun's ISO 03 sandwich bodies are designed for multi-functional use to permit maximum circuit flexibility. Due to this versatility, the ISO 03 sandwich bodies do not have a counterbore for installing o-ring seals. Instead, Sun uses a special seal plate with a raised "NIB" and a locating "NOTCH". These bodies incorporate oversize, symmetrical mounting holes to allow the bodies to be rotated about the "NIB" axis and the longitudinal axis to achieve the desired functionality.

TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Flow into or out of workport A or B
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Customer to install locating pin according to functional orientation required.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

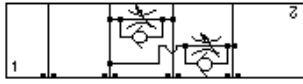
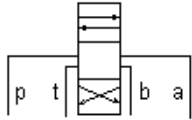
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
A330-006-002	SAE Plug	1

CONFIGURATION OPTIONS

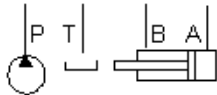
Model Code Example: GBD

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Flow Control, Bleed-Off, A and B to T, High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A and B to T
Stack Height	44,5 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

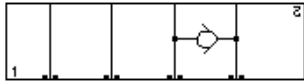
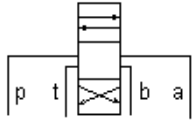
Part	Description	Quantity
340-001	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

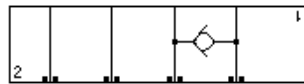
Model Code Example: **GBF**

MODIFIER

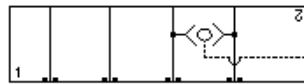
- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



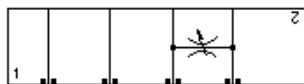
Check, A to B



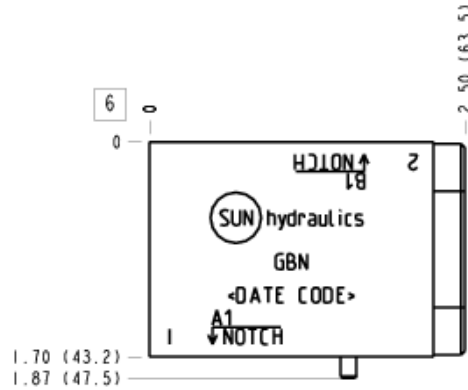
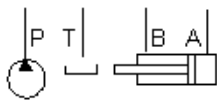
Check, B to A



Circuit Saver, Shuttle A and B, output external



Flow Control, Bleed-Off, A to B and B to A



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A to B or B to A
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Customer to install locating pin according to functional orientation required.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

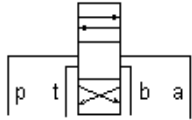
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

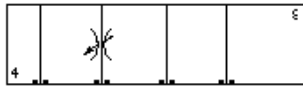
Model Code Example: GBN

MODIFIER

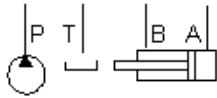
- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Flow Control, Meter-In, P, High Capacity



Flow Control, Meter-Out T, High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Into P or out of T
Stack Height	44,5 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

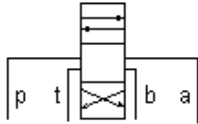
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
A330-006-002	SAE Plug	1

CONFIGURATION OPTIONS
Model Code Example: GBO

MODIFIER

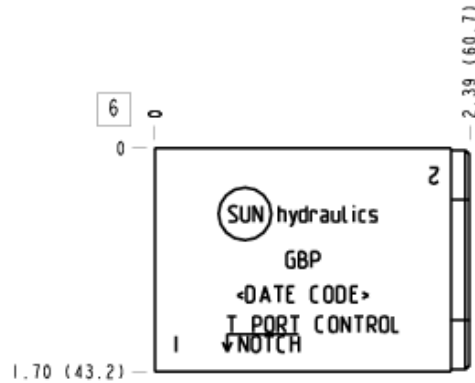
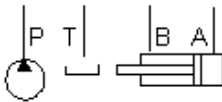
- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Flow Control, Meter-In, P



Flow Control, Meter-Out, T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Into P or out of T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

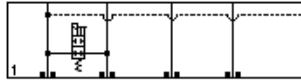
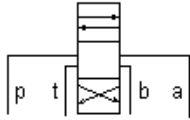
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

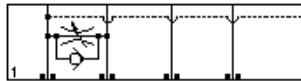
Model Code Example: GBP

MODIFIER

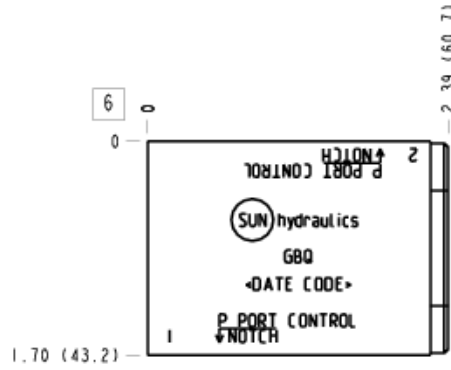
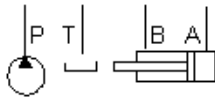
- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Directional, Bleed-Off, P to T



Flow Control, Bleed-Off, P to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	P to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Customer to install locating pin according to functional orientation required.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
GBQ, /S, /V, /Y	Gage Port (Plugged): 1/4" NPTF;
GBQ/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

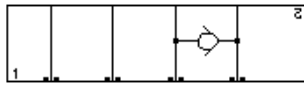
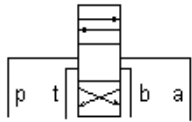
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

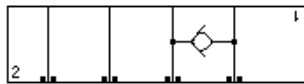
CONFIGURATION OPTIONS
Model Code Example: GBQ

MODIFIER

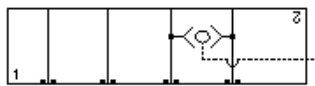
- 6061-T651 Aluminum, Buna-N**
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



Check, A to B



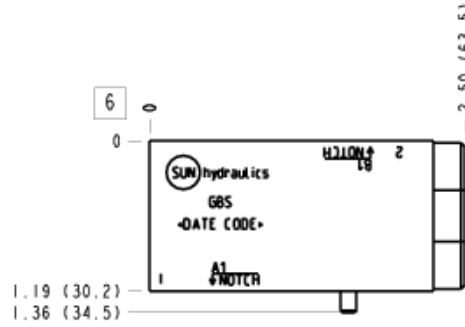
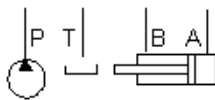
Check, B to A



Circuit Saver, Shuttle A and B, output external



Flow Control, Bleed-Off, A to B and B to A



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A to B or B to A
Stack Height	31,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

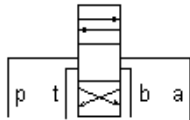
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: GBS

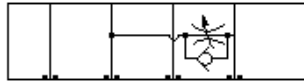
MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V 6061-T651 Aluminum, Viton
- /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer

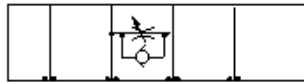


TECHNICAL DATA

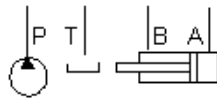
Body Type	Sandwich
Interface	ISO 03
Body Features	A or B to P or T
Stack Height	44,5 mm



Flow Control, Bleed-Off A to T



Flow Control, Bleed-Off B to T



NOTES

- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

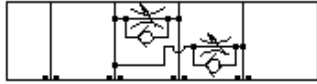
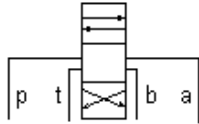
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

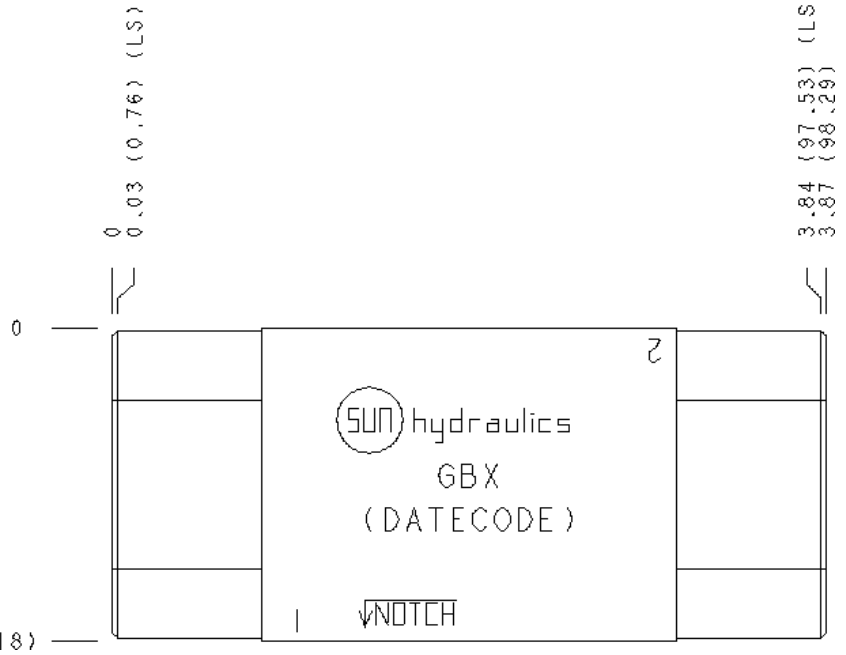
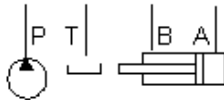
Model Code Example: GBW

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- IS** 65-45-12 Ductile Iron, Buna-N, Blackened
- IV** 6061-T651 Aluminum, Viton
- IY** 65-45-12 Ductile Iron, Viton, Blackened



Flow Control, Bleed-Off, A and B to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A and B to T
Stack Height	44,5 mm

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

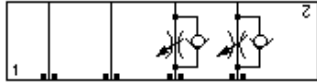
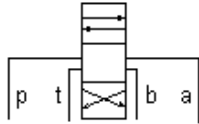
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

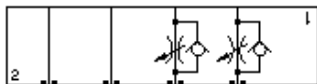
Model Code Example: GBX

MODIFIER

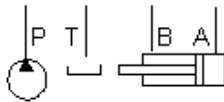
- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Flow Control, Meter-In, A and B

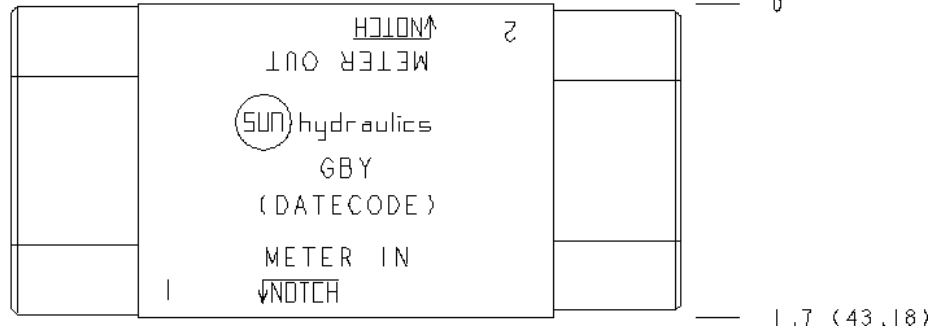


Flow Control, Meter-Out, A and B



3.62 (91.94) (LS)
3.59 (91.18) (LS)

0.03 (0.76) (LS)
0



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Flow into workports A and B or out of A and B
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

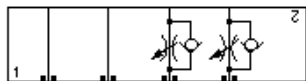
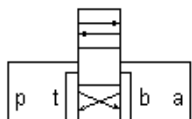
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

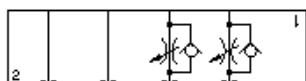
Model Code Example: GBY

MODIFIER

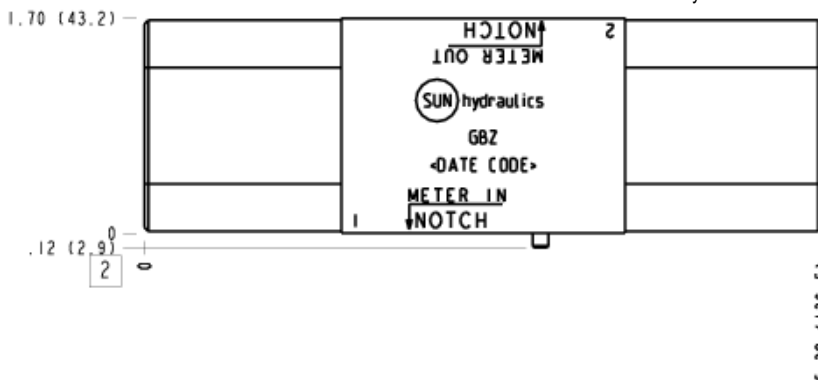
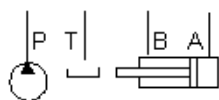
- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Flow Control, Meter-In, A and B



Flow Control, Meter-Out, A and B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Flow into workports A and B or out of A and B
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

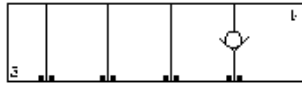
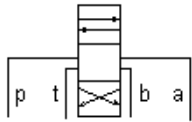
Part	Description	Quantity
340-001	Pipe Plug	2
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: GBZ

MODIFIER

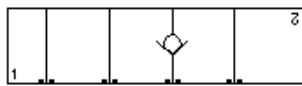
- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



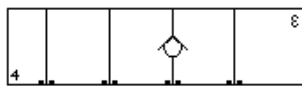
Check, On A, Free Flow into Valve



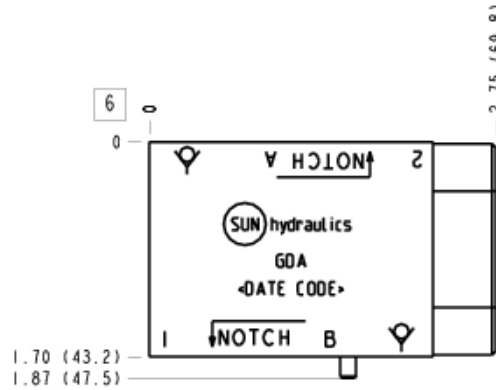
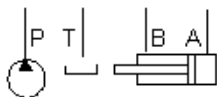
Check, On A, Free Flow Out Of Valve



Check, On B, Free Flow Into Valve



Check, On B, Free Flow Out Of Valve



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Flow into or out of workport A or B
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

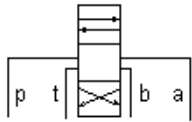
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: GDA

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V 6061-T651 Aluminum, Viton
- /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer

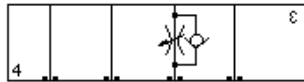


TECHNICAL DATA

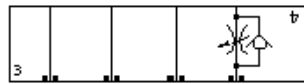
Body Type	Sandwich
Interface	ISO 03
Body Features	Flow into or out of workport A or B
Stack Height	44,5 mm



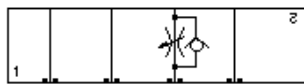
Flow Control, Meter-In A



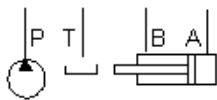
Flow Control, Meter-In, B



Flow Control, Meter-Out, A



Flow Control, Meter-Out, B



NOTES

- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

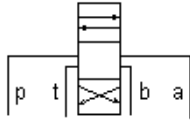
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
A330-006-002	SAE Plug	1

CONFIGURATION OPTIONS

Model Code Example: GDD

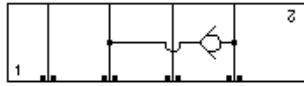
MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened

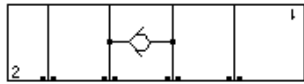


TECHNICAL DATA

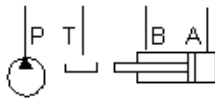
Body Type	Sandwich
Interface	ISO 03
Body Features	T to A or T to B



Check, T to A



Check, T to B



NOTES

- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

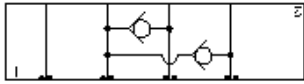
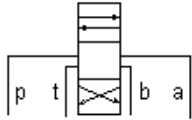
Part	Description	Quantity
340-001	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

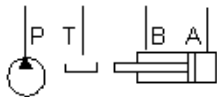
Model Code Example: GDE

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- IS** 65-45-12 Ductile Iron, Buna-N, Blackened
- IV** 6061-T651 Aluminum, Viton
- IY** 65-45-12 Ductile Iron, Viton, Blackened



Check, T to A and B, High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	T to A and B

NOTES

- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

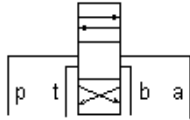
Part	Description	Quantity
340-001	Pipe Plug	2
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

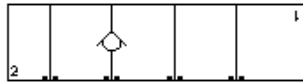
Model Code Example: GDF

MODIFIER

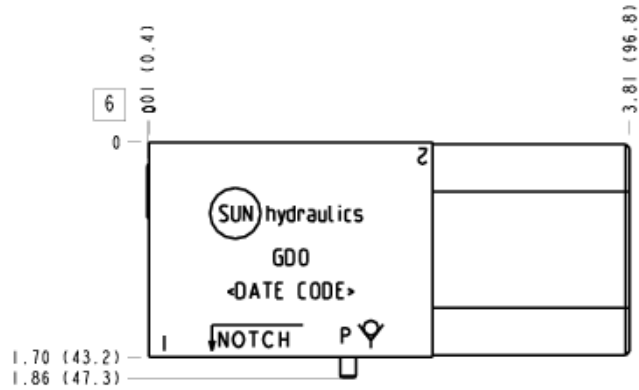
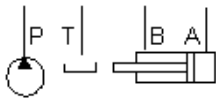
- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Check, On P, High Capacity



Check, On T, High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Into P or out of T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

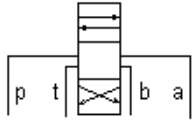
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
A330-006-002	SAE Plug	1

CONFIGURATION OPTIONS

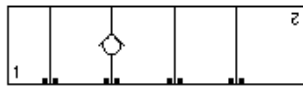
Model Code Example: GDO

MODIFIER

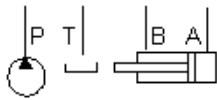
- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Check, On P



Check, On T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Into P or out of T
Stack Height	44,5 mm

NOTES

- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

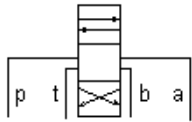
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: GDP

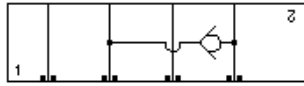
MODIFIER

- 6061-T651 Aluminum, Buna-N**
- IS** 65-45-12 Ductile Iron, Buna-N, Blackened
- IV** 6061-T651 Aluminum, Viton
- IY** 65-45-12 Ductile Iron, Viton, Blackened

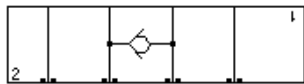


TECHNICAL DATA

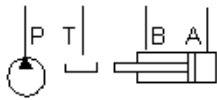
Body Type	Sandwich
Interface	ISO 03
Body Features	A or B to T



Check, T to A



Check, T to B



NOTES

- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

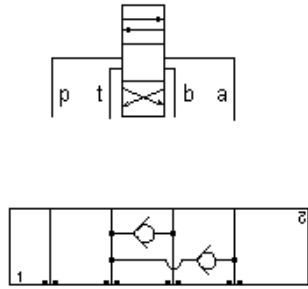
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

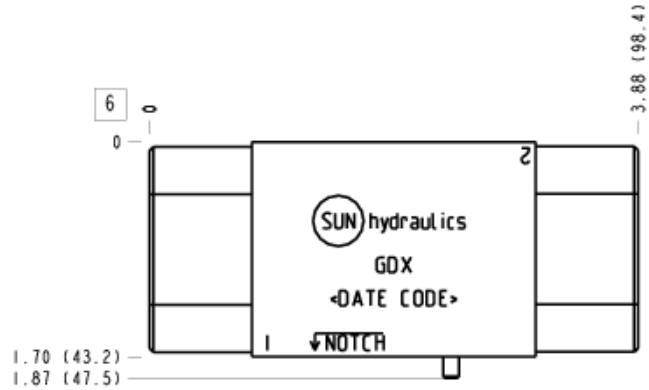
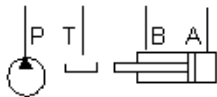
Model Code Example: GDW

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- IS** 65-45-12 Ductile Iron, Buna-N, Blackened
- IV** 6061-T651 Aluminum, Viton
- IY** 65-45-12 Ductile Iron, Viton, Blackened



Check, T to A and B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	T to A and B
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- For check valve application, use only with CX*A check valves - free flow nose to side.
- Customer to install locating pin according to functional orientation required.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

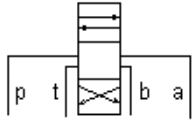
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: GDX

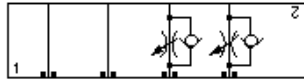
MODIFIER

- 6061-T651 Aluminum, Buna-N**
- YS** 65-45-12 Ductile Iron, Buna-N, Blackened
- YV** 6061-T651 Aluminum, Viton
- YI** 65-45-12 Ductile Iron, Viton, Blackened

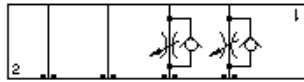


TECHNICAL DATA

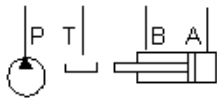
Body Type	Sandwich
Interface	ISO 03
Body Features	Flow into workports A and B or out of A and B
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes



Flow Control, Meter-In, A and B



Flow Control, Meter-Out, A and B



NOTES

- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

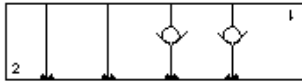
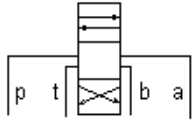
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

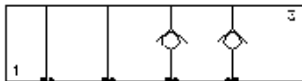
Model Code Example: GDY

MODIFIER

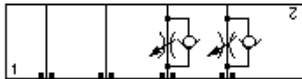
- 6061-T651 Aluminum, Buna-N**
- IS** 65-45-12 Ductile Iron, Buna-N, Blackened
- IV** 6061-T651 Aluminum, Viton
- IY** 65-45-12 Ductile Iron, Viton, Blackened



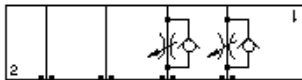
Check, On A and B, Free Flow into Valve, High Capacity



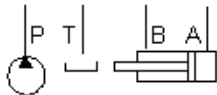
Check, On A and B, Free Flow Out of Valve, High Capacity



Flow Control, Meter-In, A and B



Flow Control, Meter-Out, A and B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Flow into workports A and B or out of A and B
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- For check valve application, use only with CX*A check valves - free flow nose to side.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

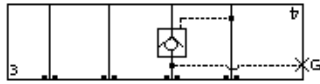
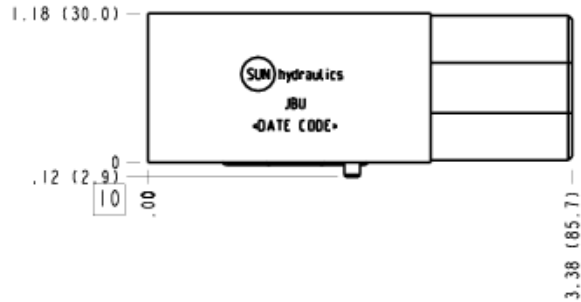
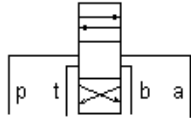
Part	Description	Quantity
340-001	Pipe Plug	2
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

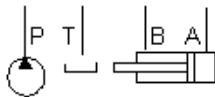
Model Code Example: GDZ

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Pilot Operated Check, On B Pilot from A



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	On B, port 3 to A
Stack Height	30 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
JBU, /V	Gage Port (Plugged): 1/4" NPTF;

INCLUDED COMPONENTS

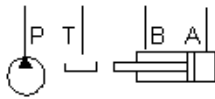
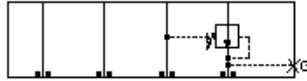
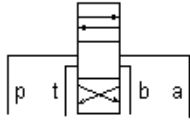
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-125	Plug	1

CONFIGURATION OPTIONS

Model Code Example: JBU

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton


TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	On A, port 3 to B
Stack Height	30 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
JBV, /S, /V, /Y	Gage Port (Plugged): 1/4" NPTF;
JBV/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-125	Plug	1

CONFIGURATION OPTIONS
Model Code Example: JBV
MODIFIER
6061-T651 Aluminum, Buna-N

/M 6061-T651 Aluminum, Metric, Buna-N

/S 65-45-12 Ductile Iron, Buna-N, Blackened

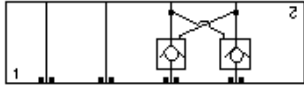
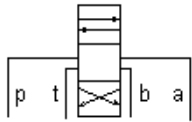
/T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened

/V 6061-T651 Aluminum, Viton

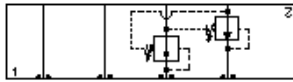
/W 65-45-12 Ductile Iron, Metric, Viton, Blackened

/Y 65-45-12 Ductile Iron, Viton, Blackened

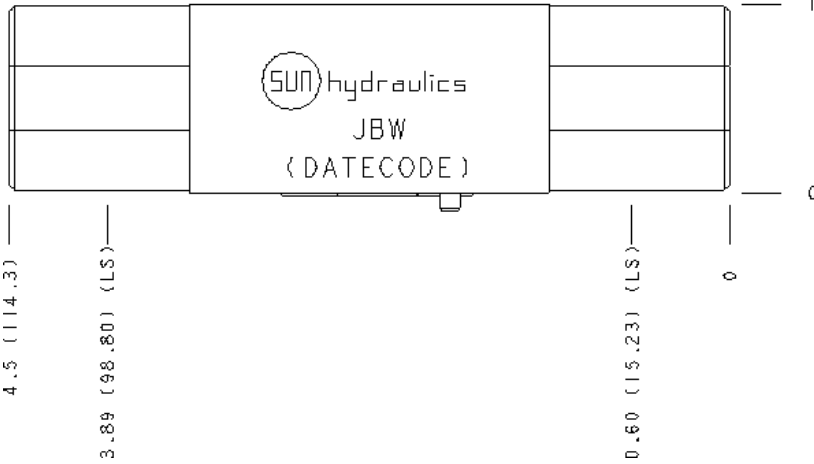
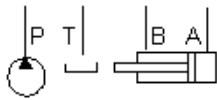
/Z 6061-T651 Aluminum, Metric, Viton



Pilot Operated Check, On A and B, Cross-Piloted



Reducing, On A and B drained to opposite port



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	On A and B with cross pilot
Stack Height	30 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

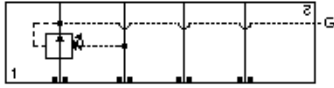
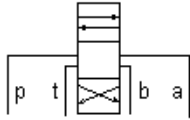
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-125	Plug	2

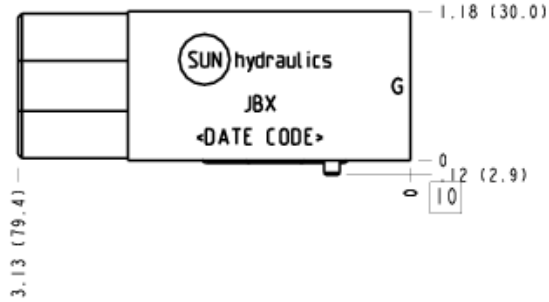
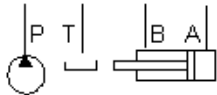
CONFIGURATION OPTIONS
Model Code Example: JBW

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Reducing, On P, drain to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	On P, port 3 to T
Stack Height	30 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
JBX, /10, /11, /15, /16, /V	Gage Port (Plugged): 1/4" NPTF;
JBX/1A, /1B, /1F, /1G, /M, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

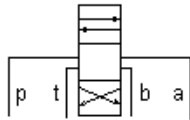
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-125	Plug	1

CONFIGURATION OPTIONS

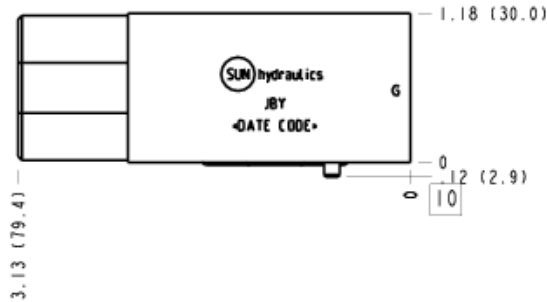
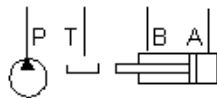
Model Code Example: JBX

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /V** 6061-T651 Aluminum, Viton
 - /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /M** 6061-T651 Aluminum, Metric, Buna-N
 - /1B** 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /1A** 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /Z** 6061-T651 Aluminum, Metric, Viton
 - /1G** 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /1F** 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
 - /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
 - /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
 - /T** 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
 - /T3** 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /W** 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
 - /W3** 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer



Sequence, On P port 3 to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	On P, port 3 to T
Stack Height	30 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
JBY, /10, /11, /15, /16, /V	Gage Port (Plugged): 1/4" NPTF;
JBY/1A, /1B, /1F, /1G, /M, /Z	Gage Port (Plugged): 1/4" BSPP;

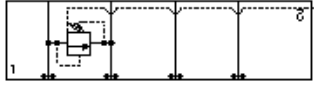
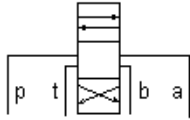
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-125	Plug	1

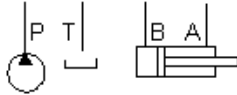
CONFIGURATION OPTIONS
Model Code Example: JBY

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /V** 6061-T651 Aluminum, Viton
 - /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /M** 6061-T651 Aluminum, Metric, Buna-N
 - /1B** 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /1A** 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /Z** 6061-T651 Aluminum, Metric, Viton
 - /1G** 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /1F** 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
 - /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
 - /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
 - /T** 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
 - /T3** 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /W** 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
 - /W3** 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer



Relief, P to T, Port 3 External



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	P to T, port 3 external
Stack Height	30 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
JBZ, /V	Vent Port: SAE 4;
JBZ/M, /Z	Vent Port: 1/4" BSPP;

INCLUDED COMPONENTS

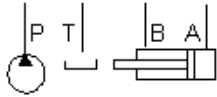
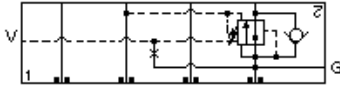
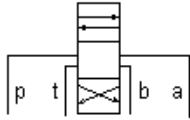
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: JBZ

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Reducer/reliever on A with reverse flow check and port 4 external
Stack Height	44,5 mm

NOTES

- This manifold has been designed with provisions to internally increase pilot flow to the "V" port. To do so, remove 340-001 plug and install 280-038-*** orifice.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
MB2, /V	Vent Port: SAE 6; Gage Port (Plugged): 1/4" NPTF;
MB2/M, /Z	Vent Port: 1/4" BSPP; Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

Part	Description	Quantity
340-001	Pipe Plug	1
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-156	Plug	1
850-004-250	Plug	1
CXDAXCN	Cartridge	1

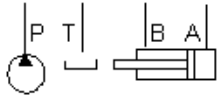
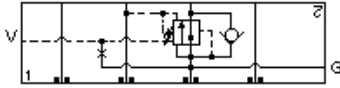
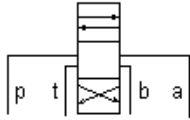
CONFIGURATION OPTIONS

Model Code Example: MB2

MODIFIER

6061-T651 Aluminum, Buna-N

- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Reducer/reliever on B with reverse flow check and port 4 external
Stack Height	63 mm

NOTES

- Stack height value in technical data table includes seal retainer plate.
- This manifold has been designed with provisions to internally increase pilot flow to the "V" port. To do so, remove 340-001 plug and install 280-038-*** orifice.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
MB3, /V	Vent Port: SAE 6; Gage Port (Plugged): 1/4" NPTF;
MB3/M, /Z	Vent Port: 1/4" BSPP; Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

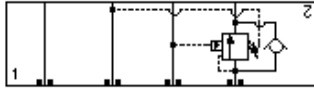
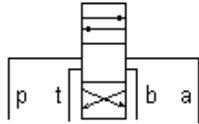
Part	Description	Quantity
340-001	Pipe Plug	1
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-156	Plug	1
850-004-250	Plug	1
CXDAXCN	Cartridge	1

CONFIGURATION OPTIONS

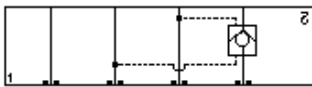
Model Code Example: MB3

MODIFIER

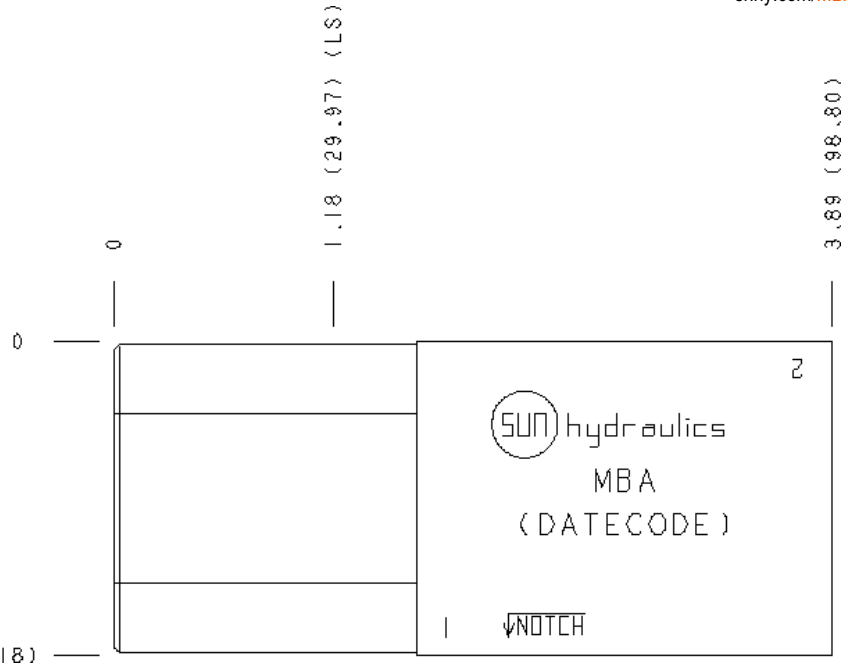
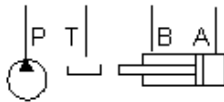
- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



Counterbalance, On A, Pilot from B, Vent to T



Pilot Operated Check, On A Pilot from B, Vent to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A, port 3 to B and port 4 to T
Stack Height	44,5 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

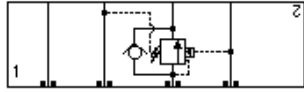
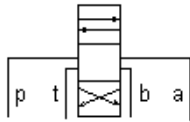
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	2

CONFIGURATION OPTIONS

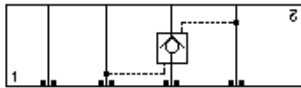
Model Code Example: MBA

MODIFIER

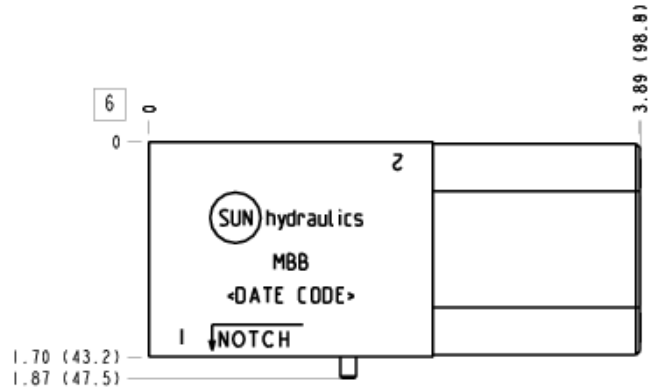
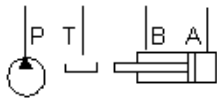
- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Counterbalance, On B, Pilot from A, Vent to T



Pilot Operated Check, On B Pilot from A, Vent to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On B, port 3 to A and port 4 to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

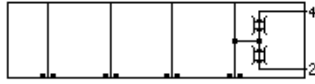
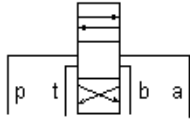
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
A330-090-000	Sub-assembly	2

CONFIGURATION OPTIONS

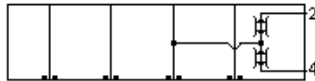
Model Code Example: MBB

MODIFIER

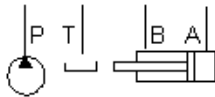
- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Circuit Saver, Flow Divider and/or Combiner on A



Circuit Saver, Flow Divider and/or Combiner on B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A or B
Stack Height	63 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
MBJ, /V	Ports 2 & 4: SAE 6;
MBJ/M, /Z	Ports 2 & 4: 1/4" BSPP;

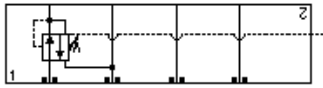
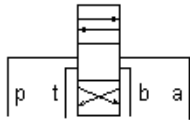
INCLUDED COMPONENTS

Part	Description	Quantity
340-001	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

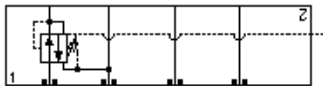
CONFIGURATION OPTIONS
Model Code Example: MBJ

MODIFIER

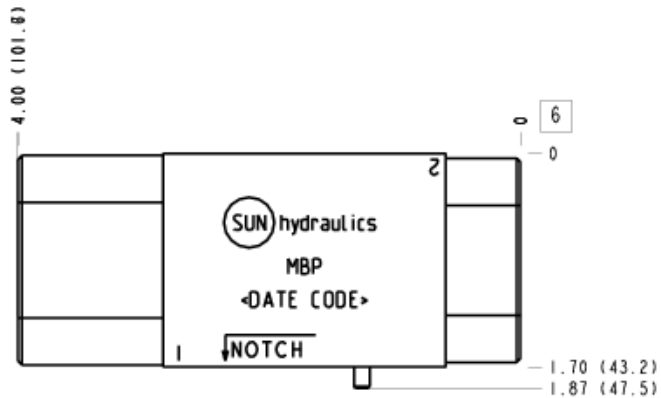
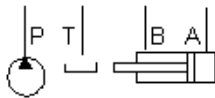
- 6061-T651 Aluminum, Buna-N
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



Reducing/Relieving, On P tank to T, external drain



Reducing/Relieving On P, tank to T, external vent



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P, port 3 to T and port 4 external
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
MBP, /10, /11, /15, /16, /V	External Port: SAE 6;
MBP/1A, /1B, /1F, /1G, /M, /Z	External Port: 1/4" BSPP;

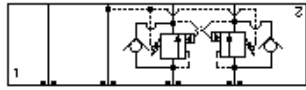
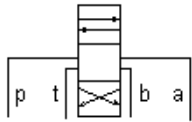
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
A330-090-000	Sub-assembly	1

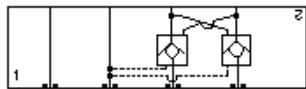
CONFIGURATION OPTIONS
Model Code Example: MBP

MODIFIER

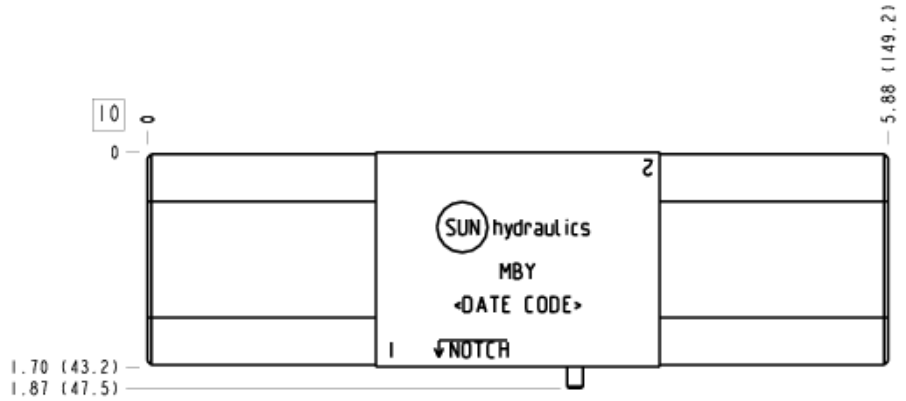
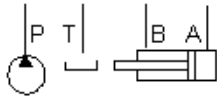
6061-T651 Aluminum, Buna-N
/11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/V 6061-T651 Aluminum, Viton
/16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/M 6061-T651 Aluminum, Metric, Buna-N
/1B 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/1A 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/Z 6061-T651 Aluminum, Metric, Viton
/1G 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
/1F 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
/S 65-45-12 Ductile Iron, Buna-N, Chem. Black
/S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
/Y 65-45-12 Ductile Iron, Viton, Chem. Black
/Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
/T 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
/T3 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
/W 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
/W3 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer



Counterbalance, On A and B, Cross-Piloted, Vents to T



Pilot Operated Check, On A and B, Cross-Piloted, Vents to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A and B with cross pilot and port 4 to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

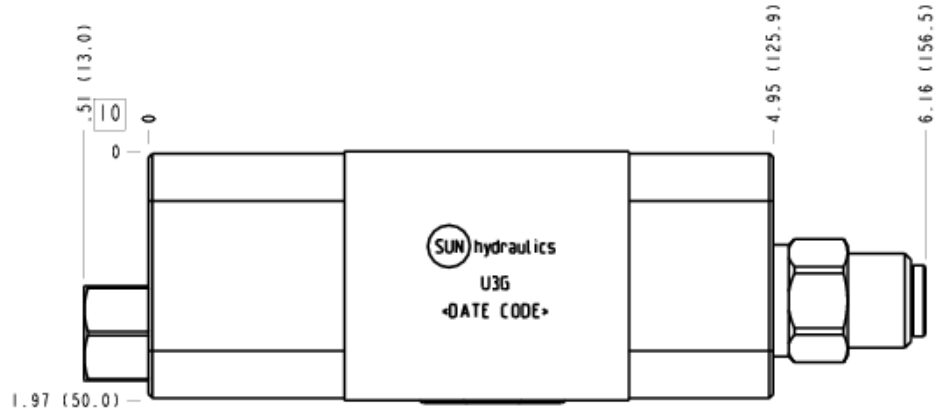
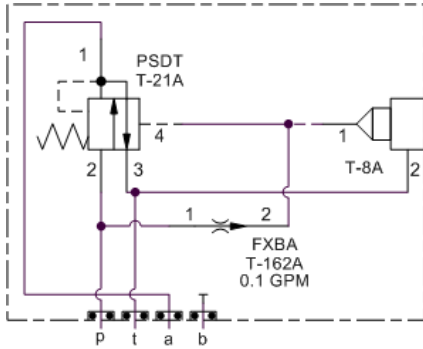
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	4

CONFIGURATION OPTIONS

Model Code Example: MBY

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, reducer on P to A, tank to T
Clamp Height	30 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

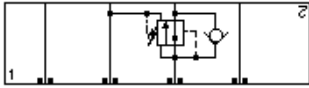
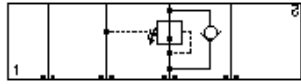
Part	Description	Quantity
500-001-012	O-Ring	4
A330-006-002	SAE Plug	1
FXBAXAN	Cartridge	1
PSDTXFN	Cartridge	1

CONFIGURATION OPTIONS

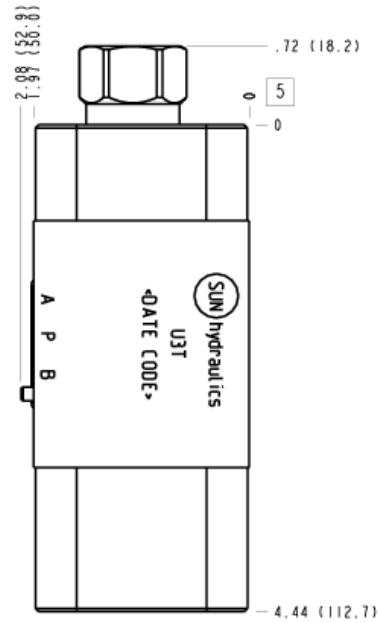
Model Code Example: U3G

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Reducing/Relieving, On B tank to T with reverse flow check



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On B with free flow check
Stack Height	50 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

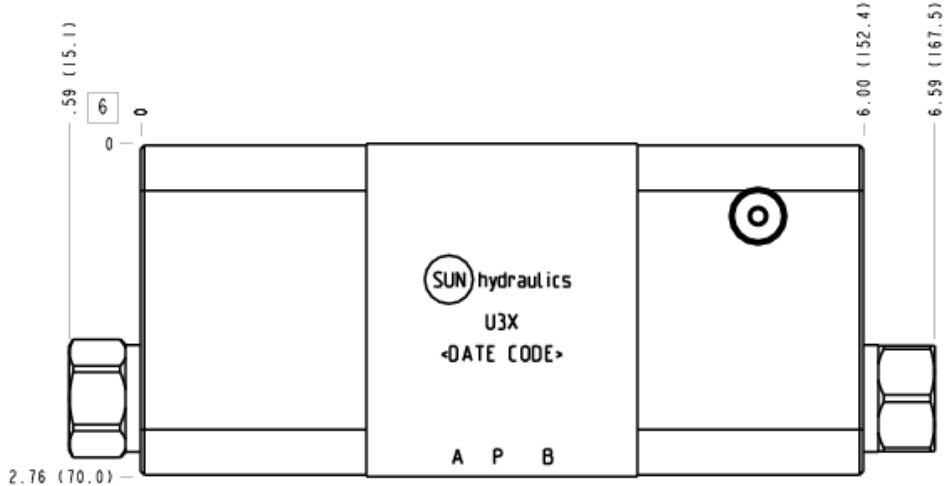
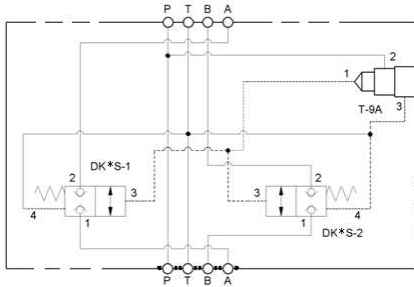
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-250	Plug	2
CXDAXCN	Cartridge	1

CONFIGURATION OPTIONS

Model Code Example: U3T

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Blocking valves on A and B
Stack Height	70 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

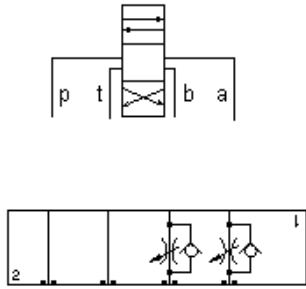
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	4
DKDSXHN	Cartridge	2

CONFIGURATION OPTIONS

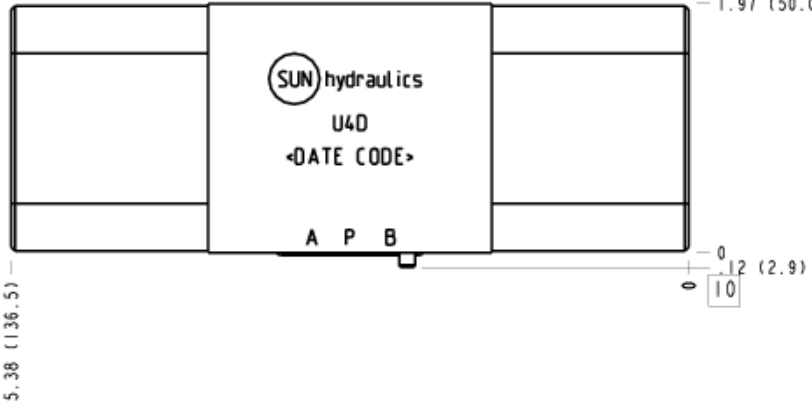
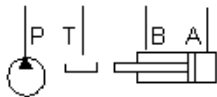
Model Code Example: U3X

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Flow Control, Meter-Out, A and B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A and B, meter out
Stack Height	50 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

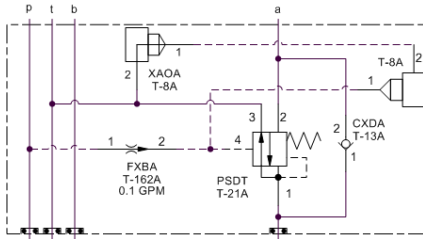
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: U4D

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Reducer on A with reverse flow check
Stack Height	3.54 in.
Seal Plate Included (see notes)	No

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

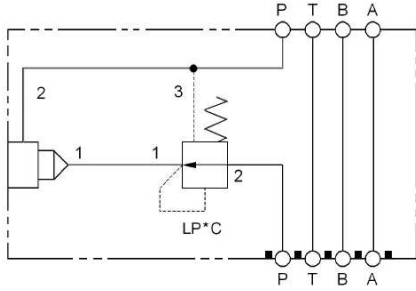
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	2
A330-006-004	SAE Plug	1
CXDAXCN	Cartridge	1
FXBAXAN	Cartridge	1
PSDTXFN	Cartridge	1
XAOAXXN	Cartridge	1

CONFIGURATION OPTIONS

Model Code Example: **U4F**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P with restrictive compensator
Stack Height	62 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

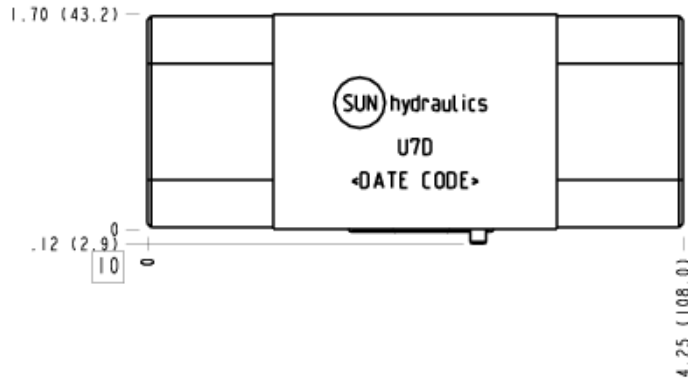
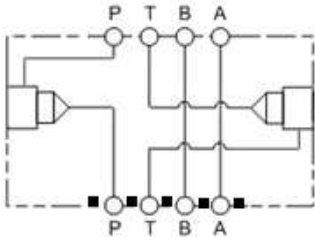
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	1
LPDCXHN	Cartridge	1

CONFIGURATION OPTIONS
Model Code Example: U5D

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Into P and out of T
Stack Height	43,2 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

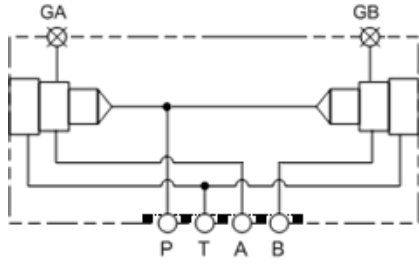
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: U7D

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, 4 way, combined ports 1 to P, ports 2 to A and B and combined ports 3 to T
Seal Plate Included (see notes)	No
Clamp Height	1.66 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
U7M, /S, /V, /Y	Gage Ports (Plugged): SAE 4;
U7MM, /T, /W, /Z	Gage Ports (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

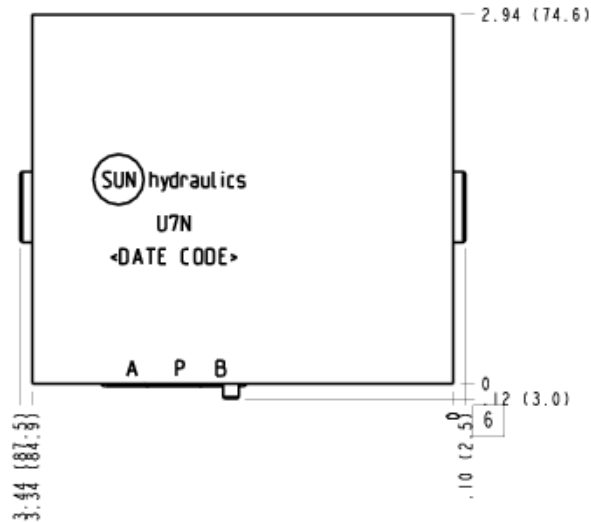
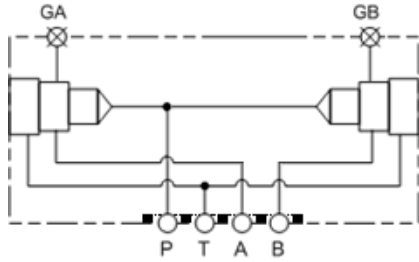
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	2
A330-006-004	SAE Plug	2

CONFIGURATION OPTIONS

Model Code Example: U7M

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, 4 way, combined ports 1 to P, ports 2 to A and B and combined ports 3 to T
Seal Plate Included (see notes)	No
Mounting Hole Diameter	5,4 mm
Mounting Hole C'bore Diameter	9,1 mm
Mounting Hole C'bore Depth	8,1 mm
Mounting Hole Quantity	4

NOTES

- Not designed for use with cartridges equipped with explosion proof coils.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
U7N, /S, /V, /Y	Gage Ports (Plugged): SAE 4;
U7N/M, /T, /W, /Z	Gage Ports (Plugged): 1/4" BSPP;

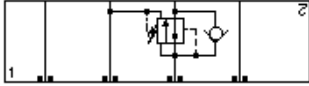
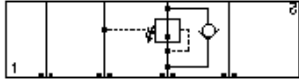
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	1
A330-006-004	SAE Plug	2

CONFIGURATION OPTIONS
Model Code Example: U7N

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M 6061-T651 Aluminum, Metric, Buna-N
 - /S 65-45-12 Ductile Iron, Buna-N, Blackened
 - /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
 - /V 6061-T651 Aluminum, Viton
 - /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
 - /Y 65-45-12 Ductile Iron, Viton, Blackened
 - /Z 6061-T651 Aluminum, Metric, Viton



Reducing/Relieving, On B tank to T with reverse flow check

TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On B with free flow check
Stack Height	50 mm
Seal Plate Included (see notes)	No

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

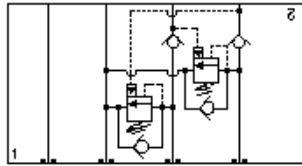
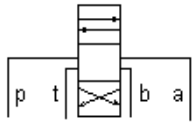
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	2
CXFAXCN	Cartridge	1

CONFIGURATION OPTIONS

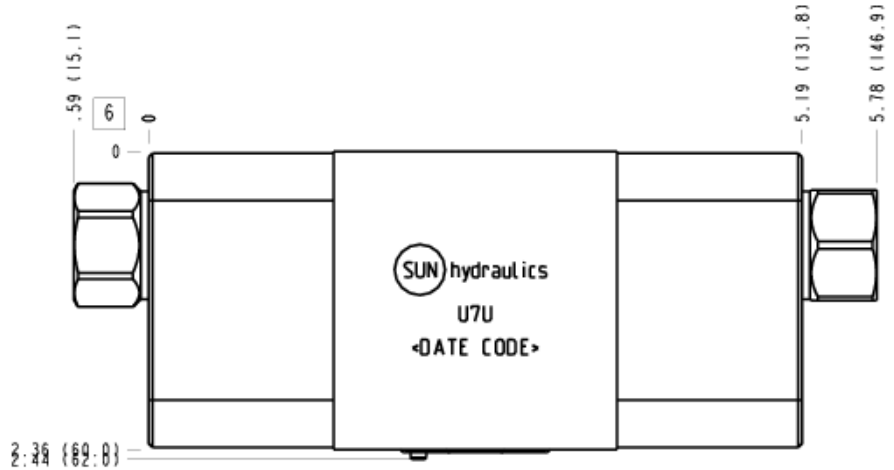
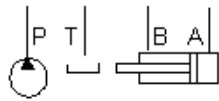
Model Code Example: U7P

MODIFIER

6061-T651 Aluminum, Buna-N
/S 65-45-12 Ductile Iron, Buna-N, Blackened
/V 6061-T651 Aluminum, Viton
/Y 65-45-12 Ductile Iron, Viton, Blackened



Counterbalance, Cushion Lock



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cushion lock
Stack Height	62 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

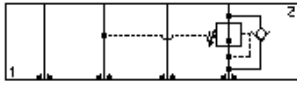
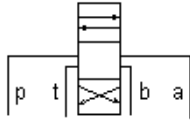
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	2
CXDAXCN	Cartridge	2

CONFIGURATION OPTIONS

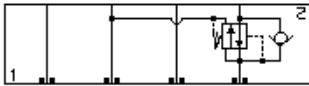
Model Code Example: U7U

MODIFIER

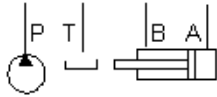
- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- N** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Reducing, On A with reverse flow check



Reducing/Relieving, On A tank to T with reverse flow check



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Reducer on A with reverse flow check
Stack Height	50 mm
Seal Plate Included (see notes)	No

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

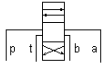
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-250	Plug	2
CXDAXCN	Cartridge	1

CONFIGURATION OPTIONS

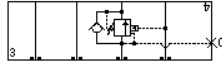
Model Code Example: U8R

MODIFIER

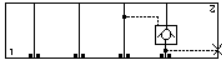
- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



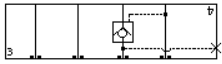
Counterbalance, On A, Pilot from B



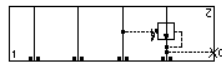
Counterbalance, On B, Pilot from A



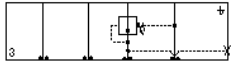
Pilot Operated Check, On A Pilot from B



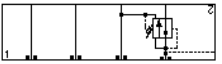
Pilot Operated Check, On B Pilot from A



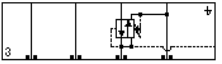
Reducing, On A drain to B



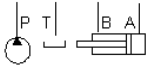
Reducing, On B drain to A



Reducing/Relieving, On A tank to B



Reducing/Relieving, On B tank to A



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On A or B, port 3 to opposite side
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
VFY, /S, /V, /Y	Gage Port (Plugged): SAE 4;

INCLUDED COMPONENTS

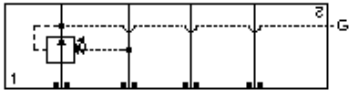
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-250	Plug	1
A330-006-004	SAE Plug	1

CONFIGURATION OPTIONS

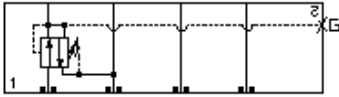
Model Code Example: VFY

MODIFIER

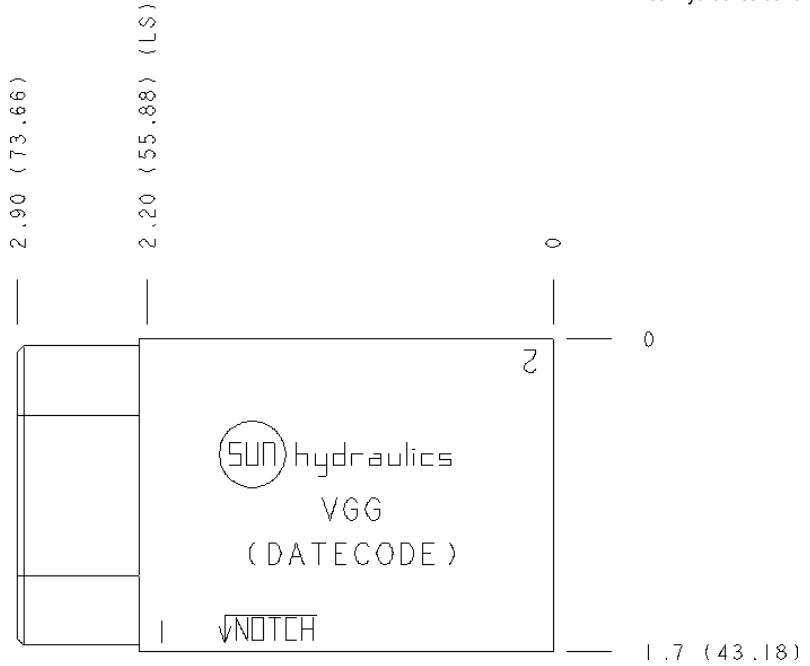
- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Reducing, On P, drain to T



Reducing/Relieving, On P tank to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P, port 3 to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
VGG, /10, /11, /15, /16, /S, /S3, /N, /Y, /Y3	Port G: 1/4" BSPT;

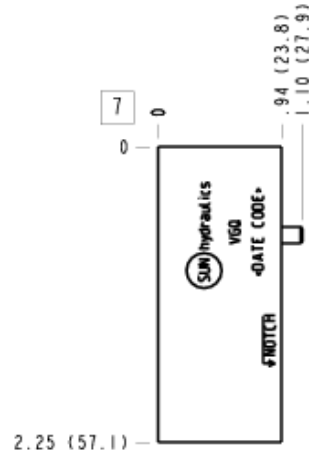
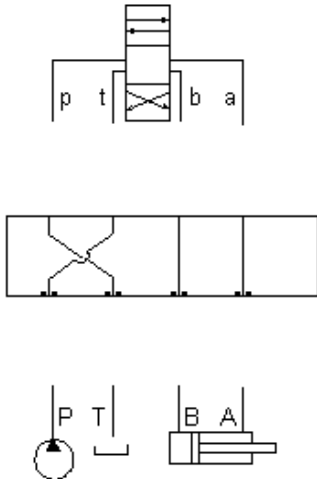
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	1

CONFIGURATION OPTIONS
Model Code Example: VGG

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /N** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Adaptor - Switches ports P and T
Stack Height	25 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

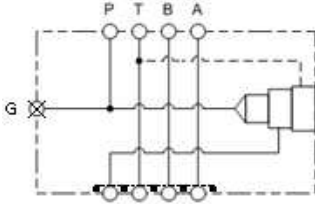
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: VGQ

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 50mm
Body Features	On P, port 3 to T
Stack Height	50 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W32, /S, /V, /Y	Gage Port (Plugged): SAE 6;
W32/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

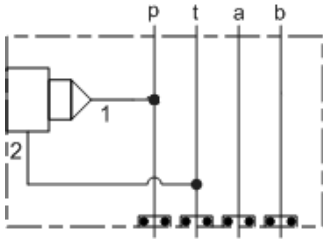
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	1
A330-006-006	SAE Plug	1

CONFIGURATION OPTIONS

Model Code Example: W32

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	P to T
Stack Height	30 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

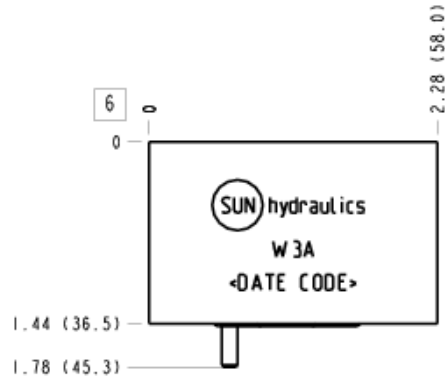
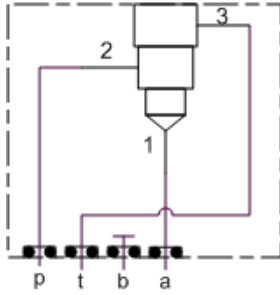
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: W37

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, 3 way, port 1 to A, port 2 to P and port 3 to T
Clamp Height	28,7 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

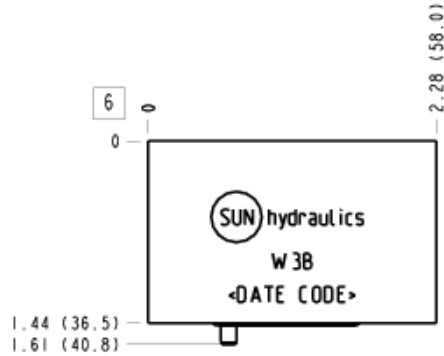
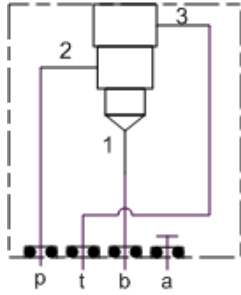
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: **W3A**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, 3 way, port 1 to B, port 2 to P and port 3 to T
Clamp Height	35,8 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

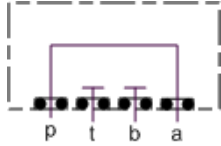
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: **W3B**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, P to A, B and T blocked
Stack Height	25 mm
Mounting Hole Depth	Through
Mounting Hole C'bore Diameter	9,1 mm
Mounting Hole C'bore Depth	12,7 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

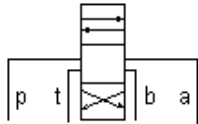
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1

CONFIGURATION OPTIONS

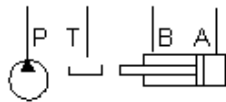
Model Code Example: W3T

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S* 65-45-12 Ductile Iron, Buna-N, Blackened
- /V* 6061-T651 Aluminum, Viton
- /Y* 65-45-12 Ductile Iron, Viton, Blackened



Relief, P to T High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	P to T

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W4D, /V	Gage Port (Plugged): 1/4" NPTF;
W4D/M, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

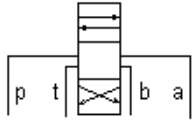
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: W4D

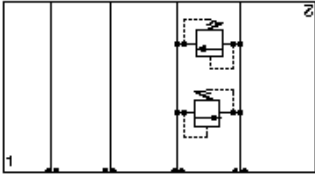
MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton

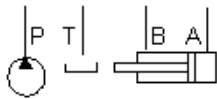


TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	A to B and B to A



Relief, A to B and B to A High Capacity



NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

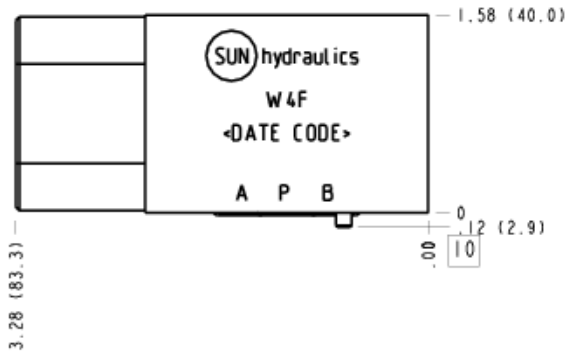
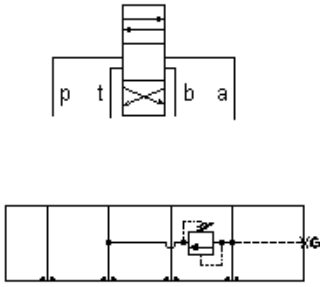
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: W4E

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	A to T

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W4F, /10, /11, /15, /16, /V	Gage Port (Plugged): 1/4" NPTF;
W4F/1A, /1B, /1F, /1G, /M, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

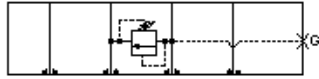
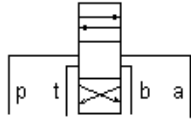
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

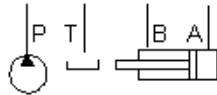
Model Code Example: **W4F**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /V** 6061-T651 Aluminum, Viton
 - /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /M** 6061-T651 Aluminum, Metric, Buna-N
 - /1B** 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /1A** 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /Z** 6061-T651 Aluminum, Metric, Viton
 - /1G** 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /1F** 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
 - /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
 - /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
 - /T** 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
 - /T3** 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /W** 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
 - /W3** 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer



Relief, B to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	B to T

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W4G, /V	Gage Port (Plugged): 1/4" NPTF;
W4G/M, /Z	Gage Port (Plugged): 1/4" BSPP;

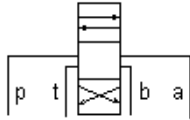
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1

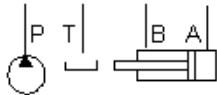
CONFIGURATION OPTIONS
Model Code Example: W4G

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



Relief, A and B to T High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	A and B to T
Mounting Hole Diameter	5,4 mm
Mounting Hole Depth	Through
Mounting Hole Quantity	4

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

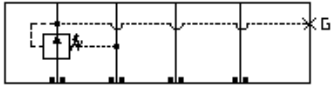
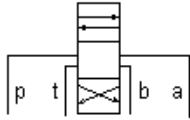
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

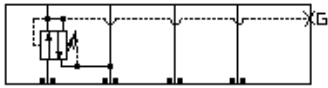
Model Code Example: W4H

MODIFIER

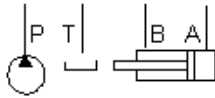
- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Reducing, On P, drain to T



Reducing/Relieving, On P tank to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On P, port 3 to T - Mirror
Mounting Hole Diameter	5,4 mm
Mounting Hole Depth	Through
Mounting Hole Quantity	4

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W4I, /S, /V, /Y	Gage Port (Plugged): 1/4" NPTF;
W4I/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

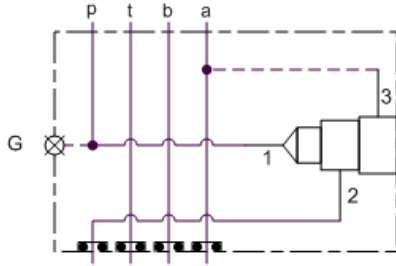
Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-218	Plug	1

CONFIGURATION OPTIONS

Model Code Example: **W4I**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On P, port 3 to A

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W4J, /V	Gage Port (Plugged): 1/4" NPTF;
W4J/M, /Z	Gage Port (Plugged): 1/4" BSPP;

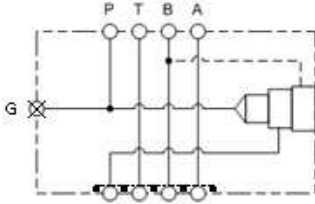
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-218	Plug	1

CONFIGURATION OPTIONS
Model Code Example: W4J

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On P, port 3 to B
Seal Plate Included (see notes)	No

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W4K, /S, /V, /Y	Gage Port (Plugged): 1/4" NPTF;
W4K/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

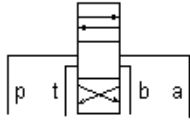
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-218	Plug	1

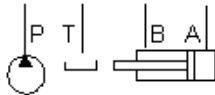
CONFIGURATION OPTIONS
Model Code Example: W4K

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



Sequence, On P port 3 to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On P, port 3 to T

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W4L, /V	Gage Port (Plugged): 1/4" NPTF;
W4L/M, /Z	Gage Port (Plugged): 1/4" BSPP;

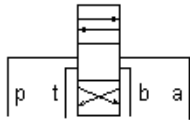
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-218	Plug	1

CONFIGURATION OPTIONS
Model Code Example: W4L

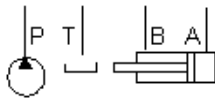
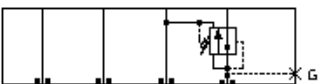
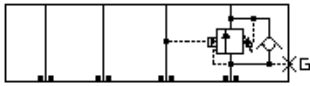
MODIFIER

- 6061-T651 Aluminum, Buna-N
- /M 6061-T651 Aluminum, Metric, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /W 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y 65-45-12 Ductile Iron, Viton, Blackened
- /Z 6061-T651 Aluminum, Metric, Viton



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On A, port 3 to B



NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W4M, /S, /V, /Y	Gage Port (Plugged): 1/4" NPTF;
W4M/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

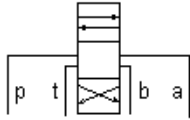
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-250	Plug	1

CONFIGURATION OPTIONS
Model Code Example: W4M

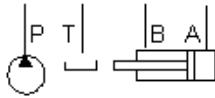
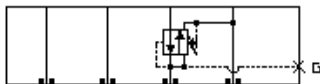
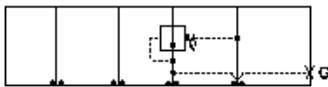
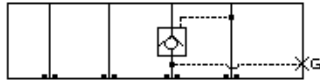
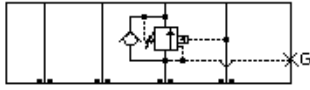
MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On B, port 3 to A
Mounting Hole Diameter	5,4 mm
Mounting Hole Depth	Through
Mounting Hole Quantity	4



NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W4N, /S, /V, /Y	Gage Port (Plugged): 1/4" NPTF;
W4N/M, /T, /W, /Z	Gage Port (Plugged): 1/4" BSPP;

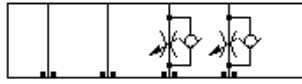
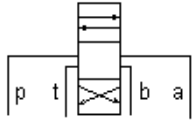
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-250	Plug	1

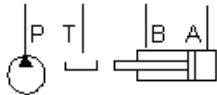
CONFIGURATION OPTIONS
Model Code Example: W4N

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened
- /Z** 6061-T651 Aluminum, Metric, Viton



Flow Control, Meter-In A and B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Meter in A and B
Mounting Hole Diameter	5,4 mm
Mounting Hole Depth	Through
Mounting Hole Quantity	4

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

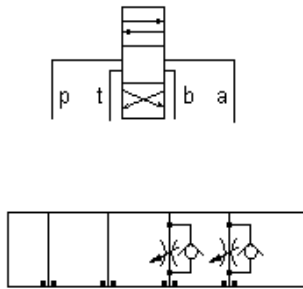
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

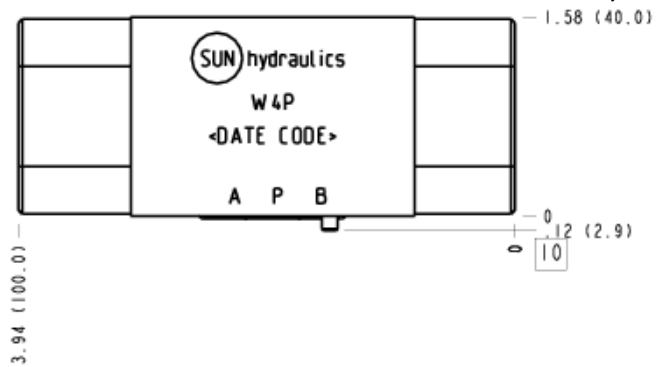
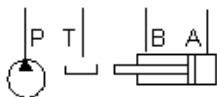
Model Code Example: **W40**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Flow Control, Meter-Out A and B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Meter out A and B
Stack Height	40 mm
Seal Plate Included (see notes)	No
Mounting Hole Diameter	5,4 mm
Mounting Hole Depth	Through
Mounting Hole Quantity	4

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

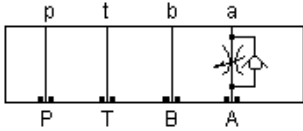
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: W4P

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- N** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Out of A

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

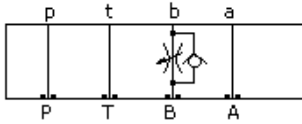
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: W5H

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Out of B

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: **W5I**

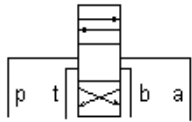
MODIFIER

6061-T651 Aluminum, Buna-N

/S 65-45-12 Ductile Iron, Buna-N, Blackened

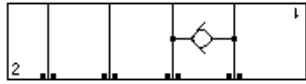
/V 6061-T651 Aluminum, Viton

/Y 65-45-12 Ductile Iron, Viton, Blackened

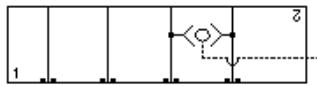


TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	A to B



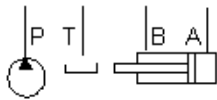
Check, B to A



Circuit Saver, Shuttle A and B, output external



Flow Control, Bleed-Off, A to B and B to A



NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

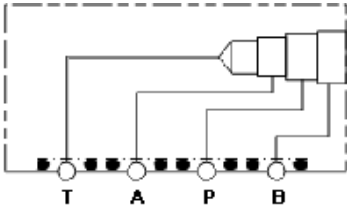
Part	Description	Quantity
500-002-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: W5J

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, 4 way, port 1 to T, port 2 to A, port 3 to P and port 4 to B
Mounting Hole Diameter	5,4 mm
Mounting Hole Depth	Through
Mounting Hole C'bore Diameter	9,1 mm
Mounting Hole C'bore Depth	8,1 mm
Mounting Hole Quantity	4

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

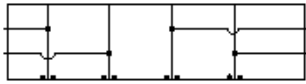
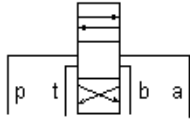
Part	Description	Quantity
500-002-012	O-Ring	4
811-001-006	Pin	1
A330-006-004	SAE Plug	1

CONFIGURATION OPTIONS

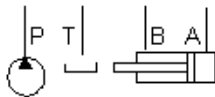
Model Code Example: W5V

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Circuit Saver, P, T, A and B, Tap in Manifold



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - P,T,A and B
Stack Height	51,3 mm

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W7M, /V	All Ports: 1/4" NPTF;

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: W7M

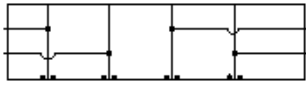
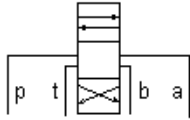
MODIFIER

6061-T651 Aluminum, Buna-N

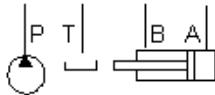
/S 65-45-12 Ductile Iron, Buna-N, Blackened

/V 6061-T651 Aluminum, Viton

/Y 65-45-12 Ductile Iron, Viton, Blackened



Circuit Saver, P, T, A and B, Tap in Manifold



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - P,T,A and B
Stack Height	51,3 mm

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W7N, /V	All Ports: SAE 4;

INCLUDED COMPONENTS

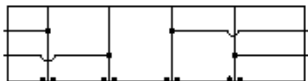
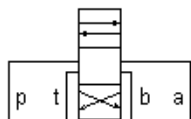
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

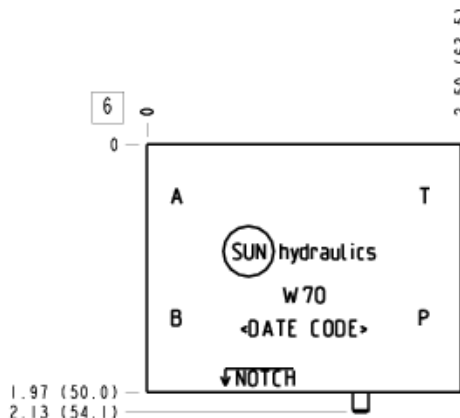
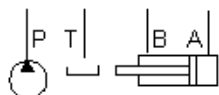
Model Code Example: W7N

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Circuit Saver, P, T, A and B, Tap in Manifold



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - P,T,A and B
Stack Height	51,3 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W70, /10, /11, /15, /16, /V	All Ports: 1/4" BSPP;

INCLUDED COMPONENTS

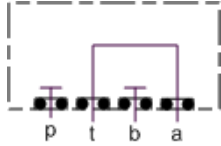
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: W70

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, A to T, P and B blocked
Clamp Height	.49 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

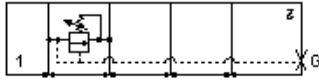
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1

CONFIGURATION OPTIONS

Model Code Example: W9D

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Relief, P to T High Capacity

TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	P to T - Mirror

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W9U, /V	Gage Port (Plugged): 1/4" NPTF;
W9U/M, /Z	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: W9U

MODIFIER

6061-T651 Aluminum, Buna-N

/M 6061-T651 Aluminum, Metric, Buna-N

/S 65-45-12 Ductile Iron, Buna-N, Blackened

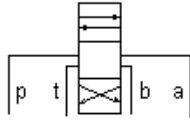
/T 65-45-12 Ductile Iron, Metric, Buna-N, Blackened

/V 6061-T651 Aluminum, Viton

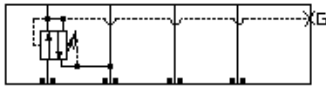
/W 65-45-12 Ductile Iron, Metric, Viton, Blackened

/Y 65-45-12 Ductile Iron, Viton, Blackened

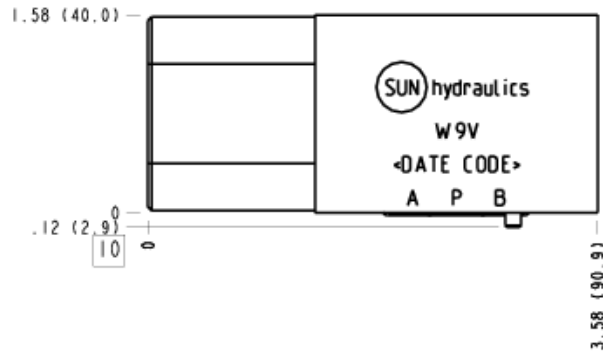
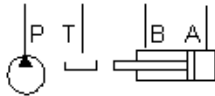
/Z 6061-T651 Aluminum, Metric, Viton



Reducing, On P, drain to T



Reducing/Relieving, On P tank to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On P, port 3 to T
Stack Height	40 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
W9V, /10, /11, /15, /16, /S, /S3, /V, /Y, /Y3	Gage Port (Plugged): 1/4" NPTF;
W9V/1A, /1B, /1F, /1G, /M, /T, /T3, /W, /W3, /Z	Gage Port (Plugged): 1/4" BSPP;

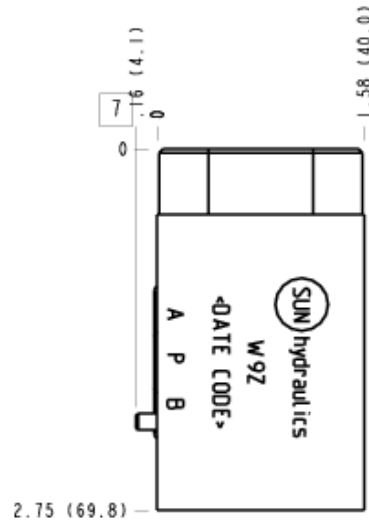
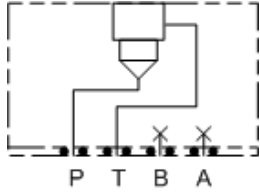
INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-218	Plug	1

CONFIGURATION OPTIONS
Model Code Example: W9V

MODIFIER

- | 6061-T651 Aluminum, Buna-N |
|---|
| /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I |
| /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II |
| /V 6061-T651 Aluminum, Viton |
| /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I |
| /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II |
| /M 6061-T651 Aluminum, Metric, Buna-N |
| /1B 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I |
| /1A 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II |
| /Z 6061-T651 Aluminum, Metric, Viton |
| /1G 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I |
| /1F 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II |
| /S 65-45-12 Ductile Iron, Buna-N, Chem. Black |
| /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer |
| /Y 65-45-12 Ductile Iron, Viton, Chem. Black |
| /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer |
| /T 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black |
| /T3 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer |
| /W 65-45-12 Ductile Iron, Metric, Viton, Chem. Black |
| /W3 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer |



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, P to T, A and B blocked
Seal Plate Included (see notes)	No
Clamp Height	1.26 in.

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

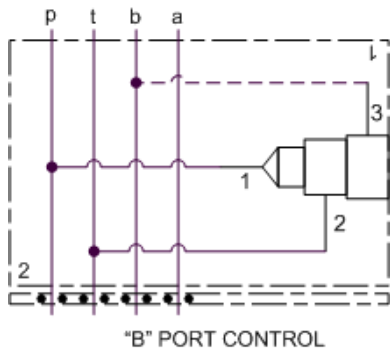
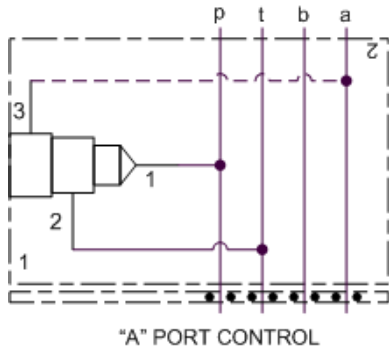
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-188	Plug	1

CONFIGURATION OPTIONS

Model Code Example: **W9Z**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	P to T, port 3 to A or B

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

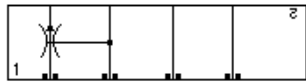
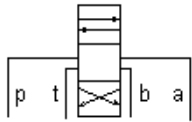
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	1

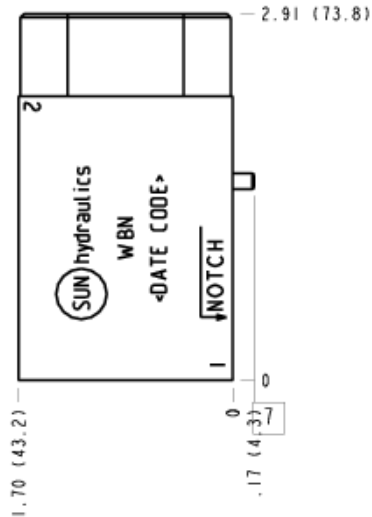
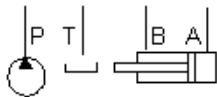
CONFIGURATION OPTIONS
Model Code Example: WBA

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S* 65-45-12 Ductile Iron, Buna-N, Blackened
- /V* 6061-T651 Aluminum, Viton
- /Y* 65-45-12 Ductile Iron, Viton, Blackened



Flow Control, Priority Flow on P, Bypass to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Priority flow control on P, bypass to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

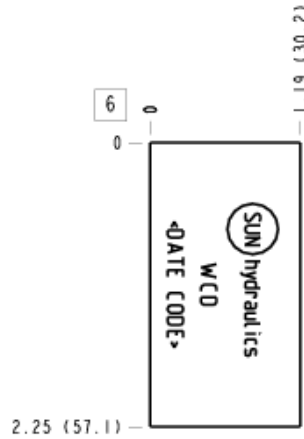
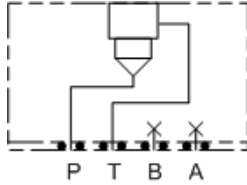
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-250	Plug	1

CONFIGURATION OPTIONS
Model Code Example: WBN

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- N** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, P to T, A and B blocked
Seal Plate Included (see notes)	Yes
Clamp Height	.74 in.

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

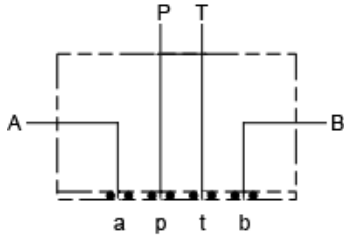
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1

CONFIGURATION OPTIONS

Model Code Example: WCD

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, tap in, P,T,A and B
Stack Height	44,5 mm
Mounting Hole Diameter	5,2 mm
Mounting Hole Depth	Through
Mounting Hole C'bore Diameter	9,1 mm
Mounting Hole C'bore Depth	12,7 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
WCH, /V	All Ports: 1/4" NPTF;

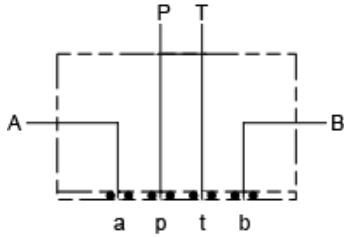
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS
Model Code Example: WCH

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, tap in, P,T,A and B
Stack Height	44,5 mm
Mounting Hole Diameter	5,2 mm
Mounting Hole Depth	Through
Mounting Hole C'bore Diameter	9,1 mm
Mounting Hole C'bore Depth	12,7 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
WCJ, /V	All Ports: SAE 6;

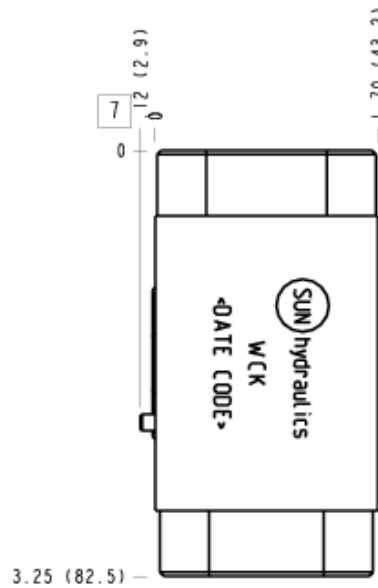
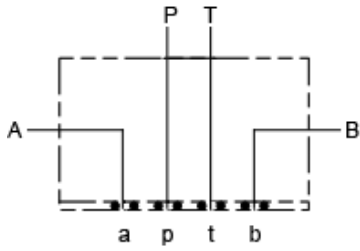
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS
Model Code Example: WCJ

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, tap in, P,T,A and B
Stack Height	44,5 mm
Seal Plate Included (see notes)	No
Mounting Hole Diameter	5,2 mm
Mounting Hole Depth	Through
Mounting Hole C'bore Diameter	9,1 mm
Mounting Hole C'bore Depth	12,7 mm

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
WCK, /10, /11, /15, /16, /V	All Ports: 1/4" BSPP;

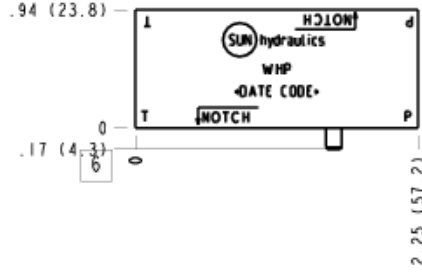
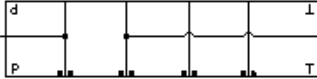
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS
Model Code Example: **WCK**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - P and T
Stack Height	25 mm
Seal Plate Included (see notes)	Yes

- NOTES**
- Stack height value in technical data table includes seal retainer plate.
 - **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
WHP, /10, /11, /15, /16, /V	All Ports: 1/4" NPTF;

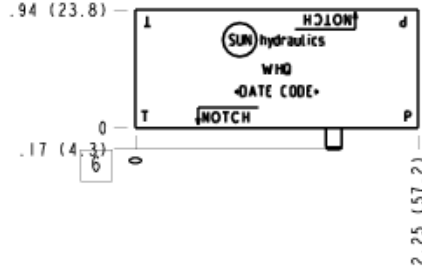
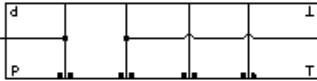
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS
Model Code Example: WHP

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - P and T
Stack Height	25 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Customer to install locating pin according to functional orientation required.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
WHQ, /10, /11, /15, /16, /V	All Ports: SAE 4;

INCLUDED COMPONENTS

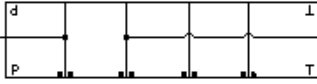
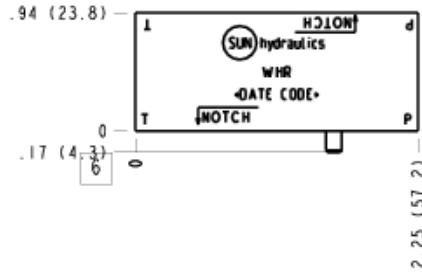
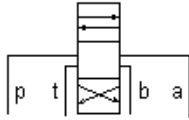
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

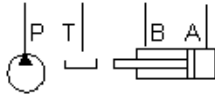
Model Code Example: WHQ

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA



Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - P and T
Stack Height	25 mm
Seal Plate Included (see notes)	Yes

- NOTES**
- Stack height value in technical data table includes seal retainer plate.
 - Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
WHR, /10, /11, /15, /16, /S, /S3, /V, /Y, /Y3	All Ports: 1/4" BSPP;

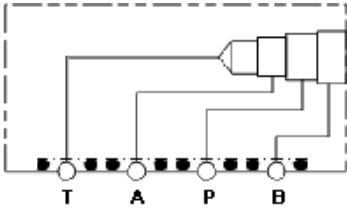
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS
Model Code Example: WHR

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 50mm
Body Features	Cover manifold, 4 way, port 1 to T, port 2 to A, port 3 to P and port 4 to B, accepts weatherized coils
Stack Height	50 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

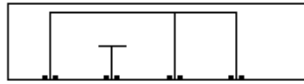
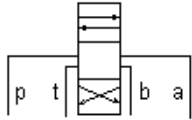
Part	Description	Quantity
500-002-012	O-Ring	4
811-001-006	Pin	1
A330-006-004	SAE Plug	1

CONFIGURATION OPTIONS

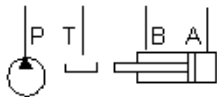
Model Code Example: **WJE**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Blanking Plate, P to A and B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, P to A and B, T blocked
Clamp Height	.49 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

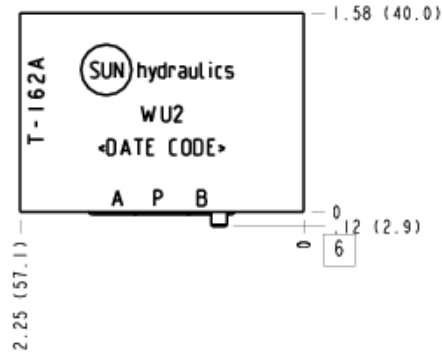
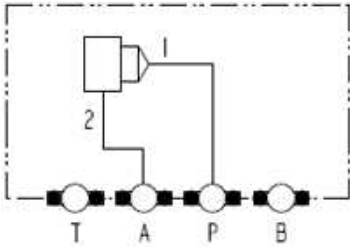
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1

CONFIGURATION OPTIONS

Model Code Example: **WJG**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Cover manifold, P to A
Stack Height	40 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

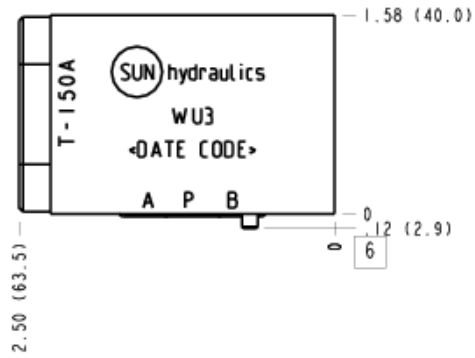
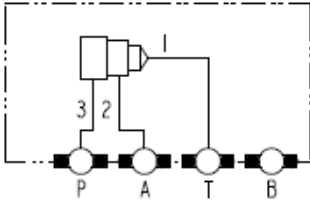
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: WU2

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- IV* 6061-T651 Aluminum, Viton
- IS* 65-45-12 Ductile Iron, Buna-N, Chem. Black
- IY* 65-45-12 Ductile Iron, Viton, Chem. Black



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Cover manifold, 3 way, port 1 to T, port 2 to A, port 3 to P
Stack Height	40 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

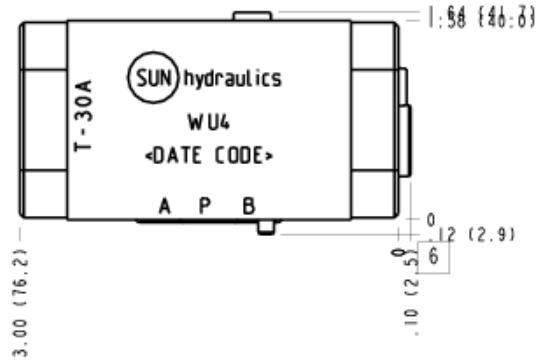
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: WU3

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- IV* 6061-T651 Aluminum, Viton
- IS* 65-45-12 Ductile Iron, Buna-N, Chem. Black
- IY* 65-45-12 Ductile Iron, Viton, Chem. Black



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Cover manifold, 4 way, port 1 to T, port 2 to A, port 3 to P and port 4 to B
Stack Height	40 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-004	SAE Plug	1
A330-090-001	Sub-assembly	2

CONFIGURATION OPTIONS

Model Code Example: WU4

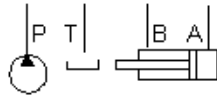
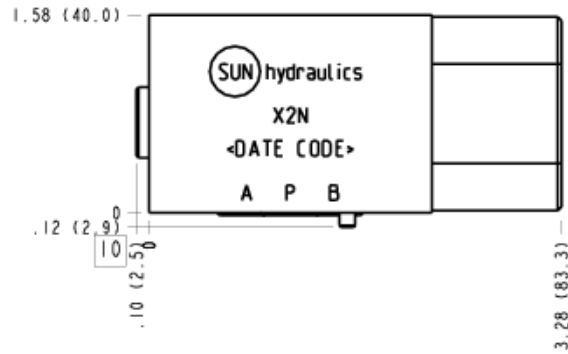
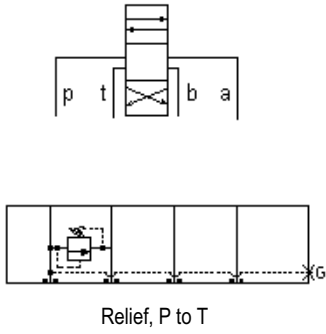
MODIFIER

6061-T651 Aluminum, Buna-N

/V 6061-T651 Aluminum, Viton

/S 65-45-12 Ductile Iron, Buna-N, Chem. Black

/Y 65-45-12 Ductile Iron, Viton, Chem. Black



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	P to T
Stack Height	40 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X2N, /10, /11, /15, /16, /V	Gage Port (Plugged): SAE 4;

INCLUDED COMPONENTS

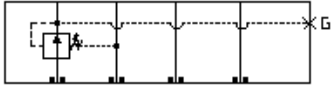
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-004	SAE Plug	1

CONFIGURATION OPTIONS

Model Code Example: X2N

MODIFIER

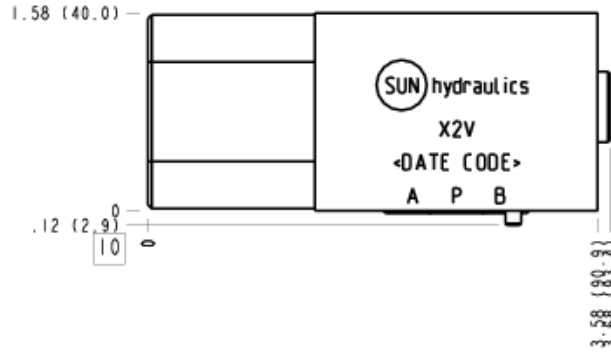
- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /V 6061-T651 Aluminum, Viton
 - /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
 - /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /Y 65-45-12 Ductile Iron, Viton, Chem. Black
 - /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Reducing, On P, drain to T



Reducing/Relieving, On P tank to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On P, port 3 to T
Stack Height	40 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X2V, /10, /11, /15, /16, /S, /S3, /N, /Y, /Y3	Gage Port (Plugged): SAE 4;

INCLUDED COMPONENTS

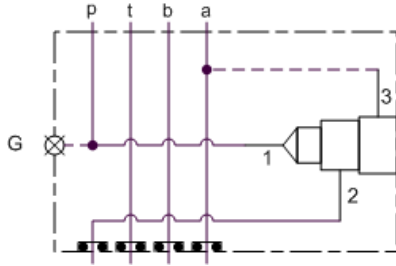
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-218	Plug	1
A330-006-004	SAE Plug	1

CONFIGURATION OPTIONS

Model Code Example: X2V

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /V 6061-T651 Aluminum, Viton
 - /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
 - /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /Y 65-45-12 Ductile Iron, Viton, Chem. Black
 - /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On P, port 3 to A

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X2X, /V	Gage Port (Plugged): SAE 4;

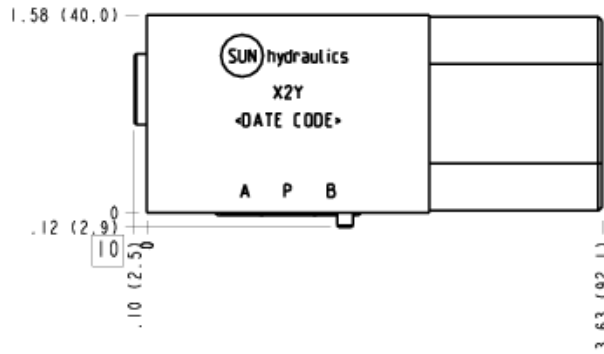
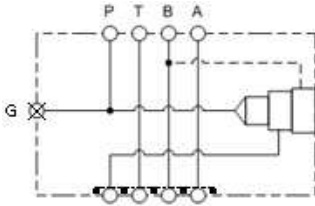
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-218	Plug	1
A330-006-004	SAE Plug	1

CONFIGURATION OPTIONS
Model Code Example: X2X

MODIFIER

6061-T651 Aluminum, Buna-N
/S 65-45-12 Ductile Iron, Buna-N, Blackened
/V 6061-T651 Aluminum, Viton
/Y 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On P, port 3 to B
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X2Y, /10, /11, /15, /16, /S, /S3, /V, /Y, /Y3	Gage Port (Plugged): SAE 4;

INCLUDED COMPONENTS

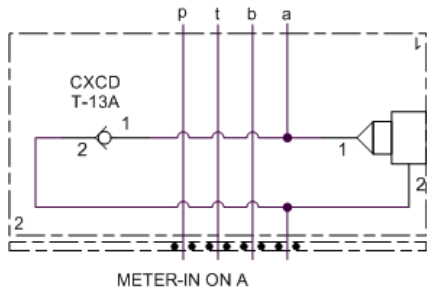
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-218	Plug	1
A330-006-004	SAE Plug	1

CONFIGURATION OPTIONS

Model Code Example: X2Y

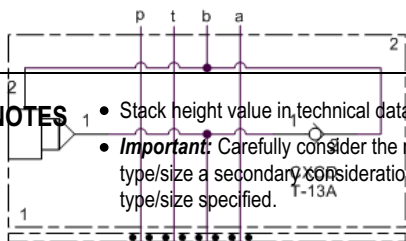
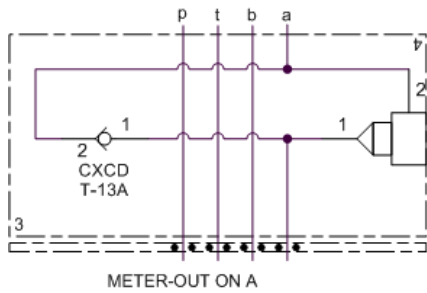
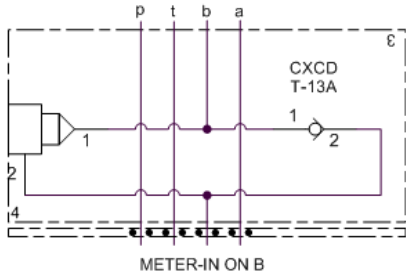
MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Flow into or out of workport A or B
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes



NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

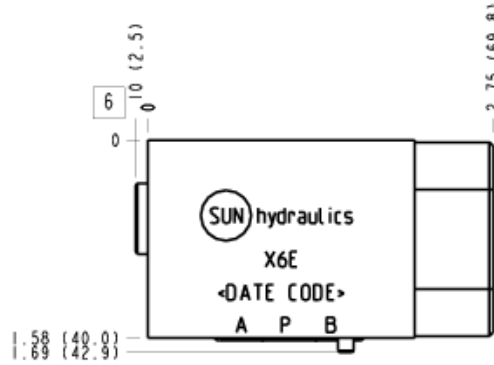
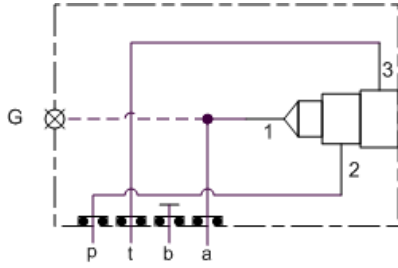
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
CXCDXCN	Cartridge	1

CONFIGURATION OPTIONS

Model Code Example: X5X

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Cover manifold, reducer on P to A, tank to T
Clamp Height	1.26 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X6E, /10, /11, /15, /16, /V	Gage Port (Plugged): SAE 4;

INCLUDED COMPONENTS

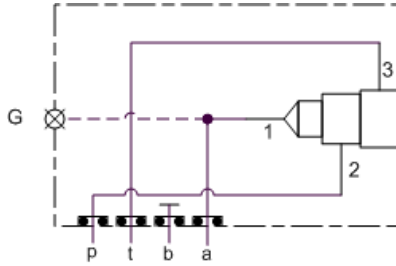
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-004	SAE Plug	1

CONFIGURATION OPTIONS

Model Code Example: X6E

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Cover manifold, reducer on P to A, tank to T

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X6F, /V	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

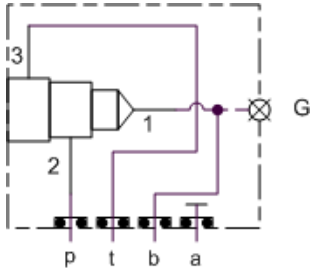
Part	Description	Quantity
330-018-002	Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: X6F

MODIFIER

6061-T651 Aluminum, Buna-N
/S 65-45-12 Ductile Iron, Buna-N, Blackened
/V 6061-T651 Aluminum, Viton
/Y 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Cover manifold, reducer on P to B, tank to T

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X6G, /V	Gage Port (Plugged): SAE 4;

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-004	SAE Plug	1

CONFIGURATION OPTIONS

Model Code Example: X6G

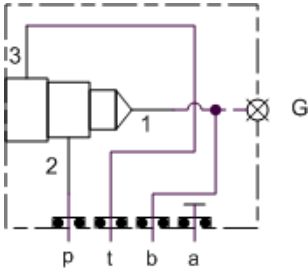
MODIFIER

6061-T651 Aluminum, Buna-N

/S 65-45-12 Ductile Iron, Buna-N, Blackened

/V 6061-T651 Aluminum, Viton

/Y 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Cover manifold, reducer on P to B, tank to T

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X6H, /V	Gage Port (Plugged): 1/4" BSPP;

INCLUDED COMPONENTS

Part	Description	Quantity
330-018-002	Plug	1
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: X6H

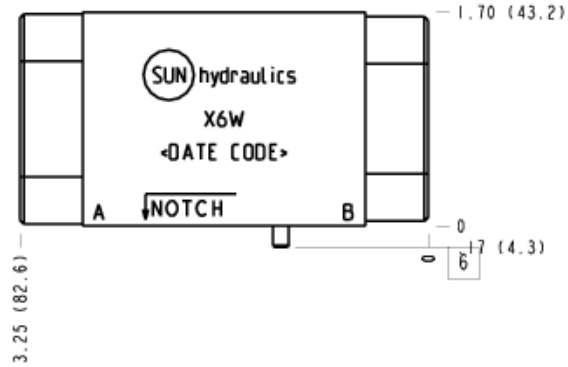
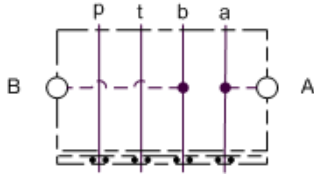
MODIFIER

6061-T651 Aluminum, Buna-N

/S 65-45-12 Ductile Iron, Buna-N, Blackened

/V 6061-T651 Aluminum, Viton

/Y 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - A and B
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

- NOTES**
- Stack height value in technical data table includes seal retainer plate.
 - Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X6W, /10, /11, /15, /16, /V	Ports A & B: SAE 8;

INCLUDED COMPONENTS

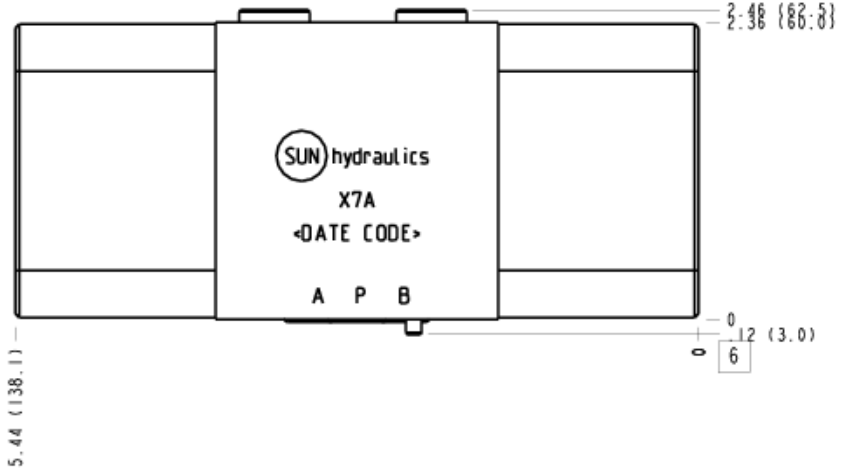
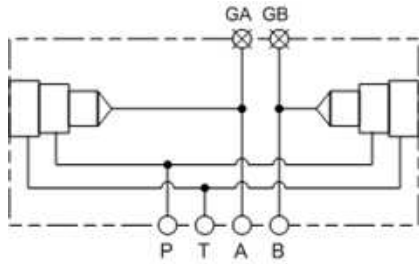
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: X6W

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /V** 6061-T651 Aluminum, Viton
 - /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
 - /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
 - /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
 - /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
 - /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
 - /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, 4 way, ports 1 to A and B, combined ports 2 to P and combined ports 3 to T
Stack Height	59,4 mm
Seal Plate Included (see notes)	No
Clamp Height	1.64 in.

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X7A, /10, /11, /15, /16, /S, /S3, /V, /Y, /Y3	Gage Ports (Plugged): SAE 4;

INCLUDED COMPONENTS

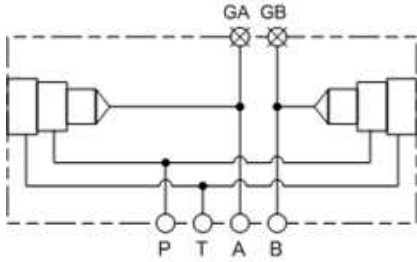
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-004	SAE Plug	2

CONFIGURATION OPTIONS

Model Code Example: X7A

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, 4 way, ports 1 to A and B, combined ports 2 to P and combined ports 3 to T
Clamp Height	1.64 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X7B, /S, /V, /Y	Gage Ports (Plugged): 1/4" BSPP;

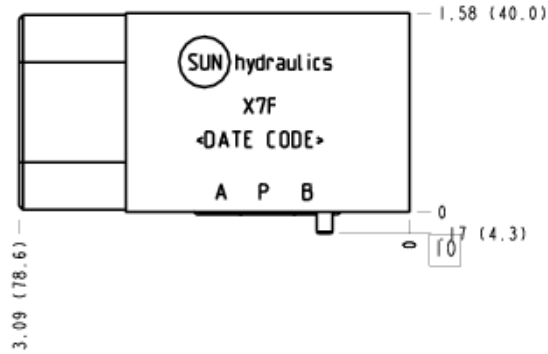
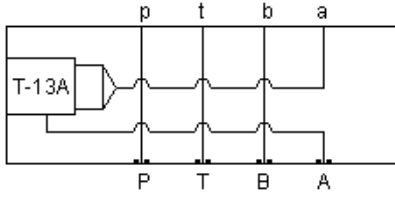
INCLUDED COMPONENTS

Part	Description	Quantity
330-018-002	Plug	2
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS
Model Code Example: X7B

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Meter in A
Stack Height	40 mm
Seal Plate Included (see notes)	No
Mounting Hole Diameter	5,4 mm
Mounting Hole Depth	Through
Mounting Hole Quantity	4

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

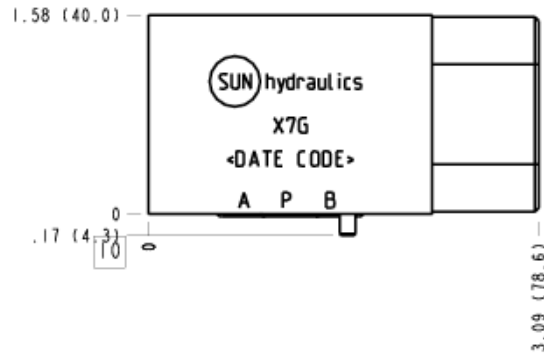
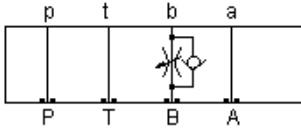
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: X7F

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V 6061-T651 Aluminum, Viton
- /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Meter in B
Stack Height	40 mm
Seal Plate Included (see notes)	No
Mounting Hole Diameter	5,4 mm
Mounting Hole Depth	Through
Mounting Hole Quantity	4

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

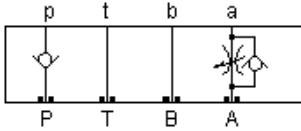
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: X7G

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 30mm
Body Features	Out of A, check on P

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
CXBAXCN	Cartridge	1

CONFIGURATION OPTIONS

Model Code Example: X7K

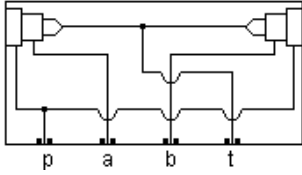
MODIFIER

6061-T651 Aluminum, Buna-N

/S 65-45-12 Ductile Iron, Buna-N, Blackened

/V 6061-T651 Aluminum, Viton

/Y 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, 4 way, combined ports 1 to T, ports 2 to A and B and combined ports 3 to P
Clamp Height	1.66 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

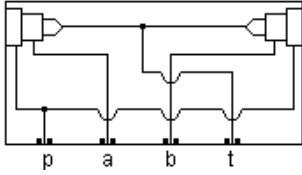
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	1

CONFIGURATION OPTIONS

Model Code Example: X7L

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, 4 way, combined ports 1 to T, ports 2 to A and B and combined ports 3 to P
Clamp Height	2.62 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

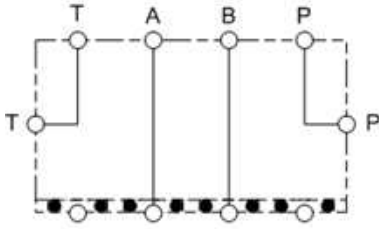
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
A330-006-002	SAE Plug	3

CONFIGURATION OPTIONS

Model Code Example: X7M

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Through A and B, P and T external

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X7V, /V	Ports P & T: 1/4" NPTF;

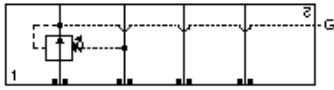
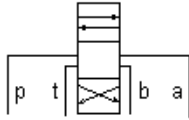
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

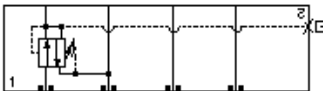
CONFIGURATION OPTIONS
Model Code Example: X7V

MODIFIER

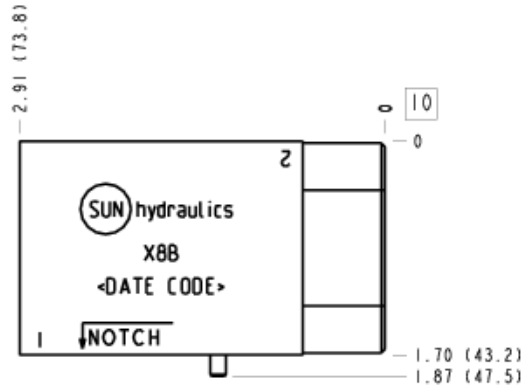
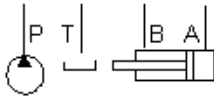
- 6061-T651 Aluminum, Buna-N**
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Reducing, On P, drain to T



Reducing/Relieving, On P tank to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P, port 3 to T - Mirror
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
X8B, /10, /11, /15, /16, /V	Gage Port (Plugged): 1/4" NPTF;

INCLUDED COMPONENTS

Part	Description	Quantity
340-003	Pipe Plug	1
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	1

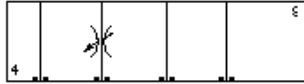
CONFIGURATION OPTIONS
Model Code Example: X8B

MODIFIER

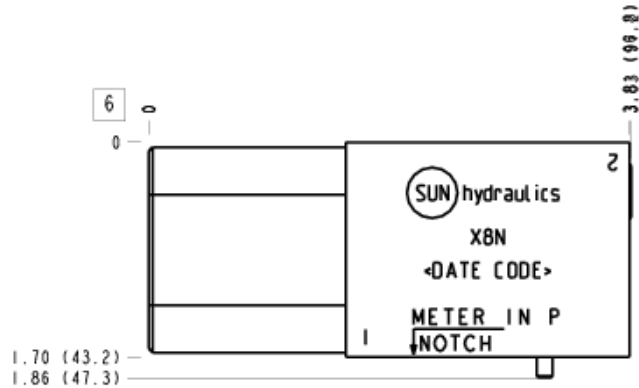
- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /1B** 6061-T651 Aluminum, Metric, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /1A** 6061-T651 Aluminum, Metric, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /Z** 6061-T651 Aluminum, Metric, Viton
- /1G** 6061-T651 Aluminum, Metric, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /1F** 6061-T651 Aluminum, Metric, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Chem. Black
- /T3** 65-45-12 Ductile Iron, Metric, Buna-N, Trivalent Clear Zinc with Top Sealer
- /W** 65-45-12 Ductile Iron, Metric, Viton, Chem. Black
- /W3** 65-45-12 Ductile Iron, Metric, Viton, Trivalent Clear Zinc with Top Sealer



Flow Control, Meter-In, P, High Capacity



Flow Control, Meter-Out T, High Capacity



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Into P or out of T - Mirror
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

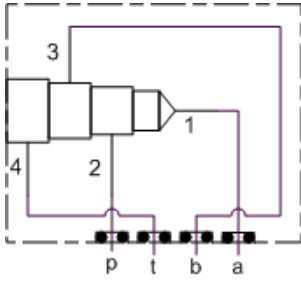
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
A330-006-002	SAE Plug	1

CONFIGURATION OPTIONS

Model Code Example: X8N

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Cover manifold, 4 Way, Port 1 to A, Port 2 to P, Port 3 to B, Port 4 to T
Clamp Height	1.26 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

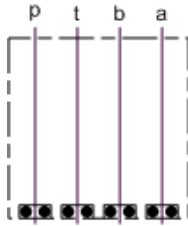
INCLUDED COMPONENTS

Part	Description	Quantity
500-002-012	O-Ring	4
811-001-006	Pin	1
A330-006-004	SAE Plug	1

CONFIGURATION OPTIONS
Model Code Example: X9C

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Stand off spacer block

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

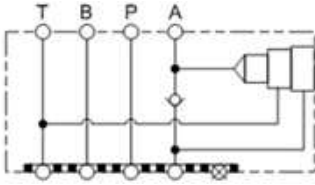
Part	Description	Quantity
300-002-008	Screw	4
350-023	Studnut	4
500-001-012	O-Ring	5
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: Z2H

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /M** 6061-T651 Aluminum, Metric, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /T** 65-45-12 Ductile Iron, Metric, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /W** 65-45-12 Ductile Iron, Metric, Viton, Blackened
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Priority flow control on A with reverse flow check
Stack Height	63 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
CXDAXCN	Cartridge	1

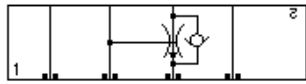
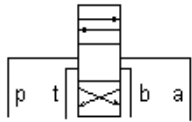
CONFIGURATION OPTIONS

Model Code Example: Z3N

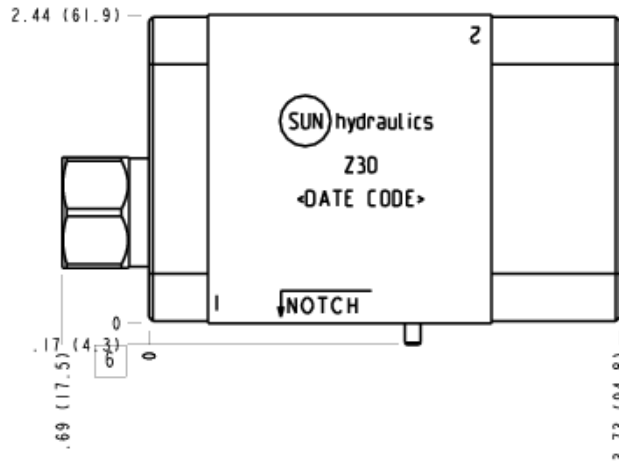
MODIFIER

6061-T651 Aluminum, Buna-N

- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Priority Flow Control on B with Reverse Flow Check



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Priority flow control on B with reverse flow check
Stack Height	63 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

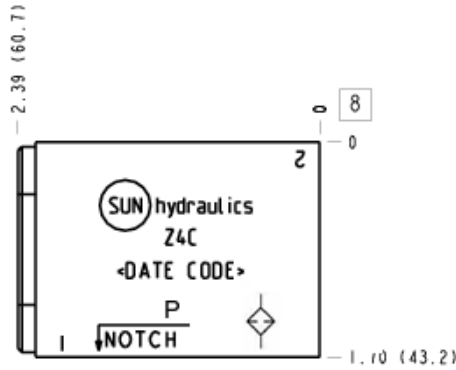
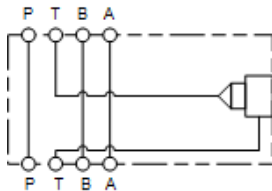
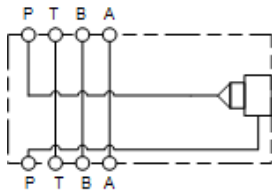
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
CXDAXCN	Cartridge	1

CONFIGURATION OPTIONS

Model Code Example: Z30

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P or T
Stack Height	44,5 mm

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

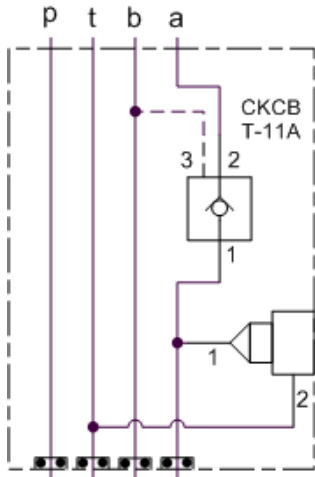
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS
Model Code Example: Z4C

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- N** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	A to T, PO check on A, port 3 to B

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

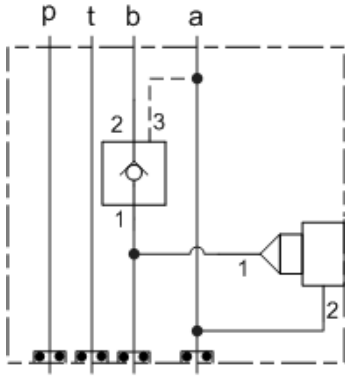
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-156	Plug	1
CKCBXCN	Cartridge	1

CONFIGURATION OPTIONS

Model Code Example: Z6F

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	B to A, PO check on B with pilot from A
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

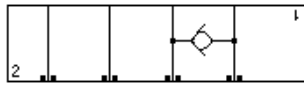
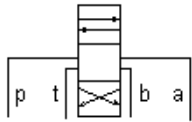
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-156	Plug	1
CKCBXCN	Cartridge	1

CONFIGURATION OPTIONS

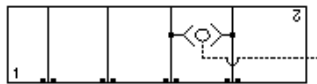
Model Code Example: Z6G

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



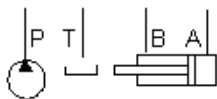
Check, B to A



Circuit Saver, Shuttle A and B, output external



Flow Control, Bleed-Off, A to B and B to A



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	A to B
Mounting Hole Diameter	5,6 mm
Mounting Hole Depth	Through
Mounting Hole Quantity	4

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

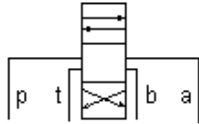
Part	Description	Quantity
500-002-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

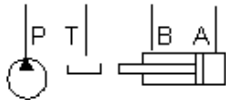
Model Code Example: Z6N

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Check, B to A



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	B to A
Stack Height	40 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

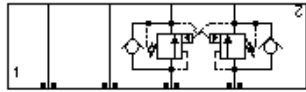
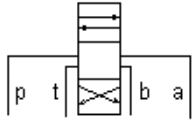
Part	Description	Quantity
500-002-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

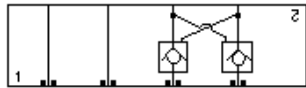
Model Code Example: Z6P

MODIFIER

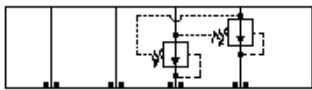
- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V 6061-T651 Aluminum, Viton
- /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



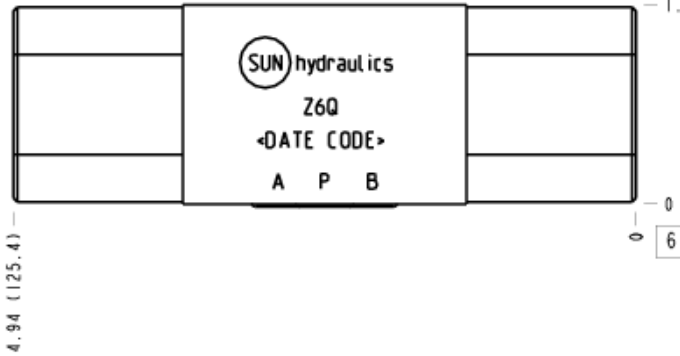
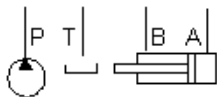
Counterbalance, On A and B, Cross-Piloted



Pilot Operated Check, On A and B, Cross-Piloted



Reducing, On A and B drain to opposite port



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On A and B with cross pilot
Stack Height	40 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

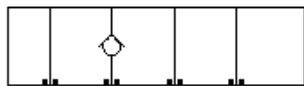
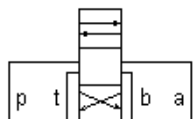
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-156	Plug	2

CONFIGURATION OPTIONS

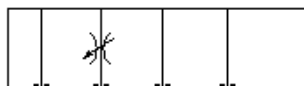
Model Code Example: Z6Q

MODIFIER

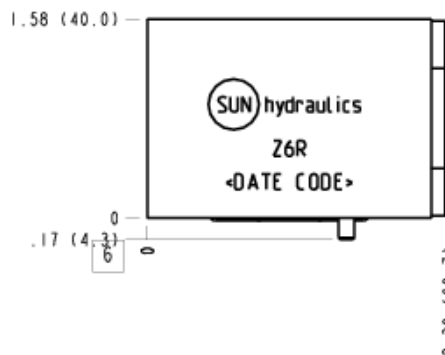
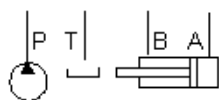
- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Check, On T



Flow Control, Meter-Out, T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	Out of T
Stack Height	40 mm
Seal Plate Included (see notes)	No

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

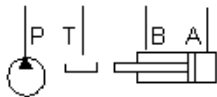
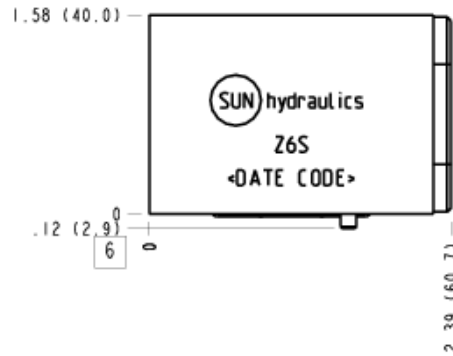
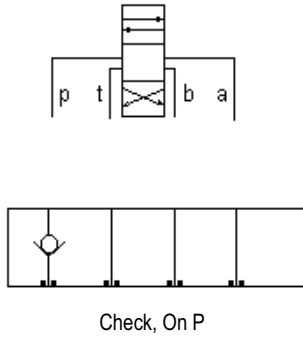
Part	Description	Quantity
500-002-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: Z6R

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03 - 40mm
Body Features	On P
Stack Height	40 mm
Seal Plate Included (see notes)	No

NOTES

- For check valve application, use only with CX*A check valves - free flow nose to side.
- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

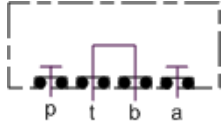
Part	Description	Quantity
500-002-012	O-Ring	4
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: Z6S

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V 6061-T651 Aluminum, Viton
- /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, B to T
Clamp Height	.49 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

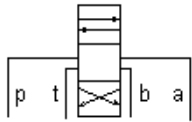
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1

CONFIGURATION OPTIONS

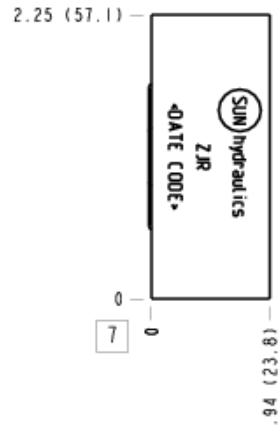
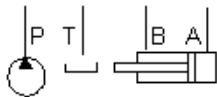
Model Code Example: ZEE

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Blanking Plate, All Ports Blocked



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, all ports blocked
Stack Height	24 mm
Seal Plate Included (see notes)	No
Clamp Height	.49 in.

NOTES

- Seal retainer plate is not required for this model.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

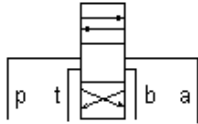
Part	Description	Quantity
500-001-012	O-Ring	4

CONFIGURATION OPTIONS

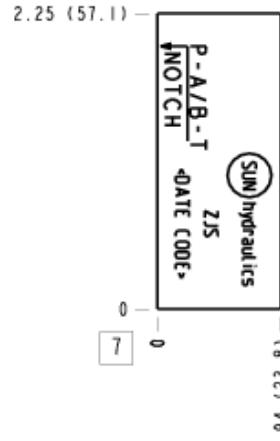
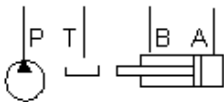
Model Code Example: ZJR

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Blanking Plate, P to A and B to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, P to A and B to T
Seal Plate Included (see notes)	Yes
Clamp Height	.49 in.

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

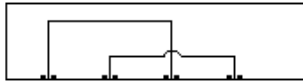
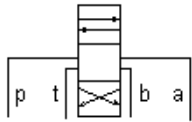
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1

CONFIGURATION OPTIONS

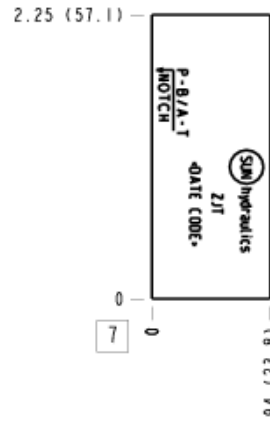
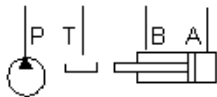
Model Code Example: ZJS

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V 6061-T651 Aluminum, Viton
- /16 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Blanking Plate, P to B and A to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, P to B and A to T
Seal Plate Included (see notes)	Yes
Clamp Height	.49 in.
Mounting Hole Diameter	5,2 mm
Mounting Hole C'bore Diameter	9,1 mm
Mounting Hole C'bore Depth	12,7 mm

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

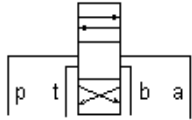
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1

CONFIGURATION OPTIONS

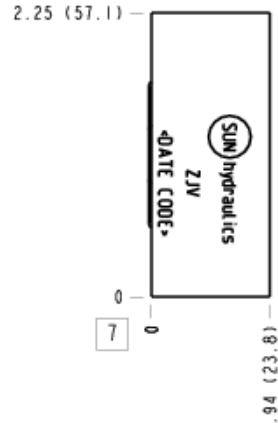
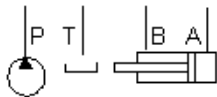
Model Code Example: ZJT

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Blanking Plate, P to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, P to T
Clamp Height	.49 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

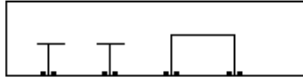
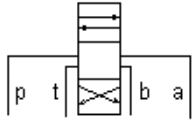
Part	Description	Quantity
500-001-012	O-Ring	4

CONFIGURATION OPTIONS

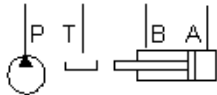
Model Code Example: ZJV

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Blanking plate, A to B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, A to B
Clamp Height	.49 in.

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

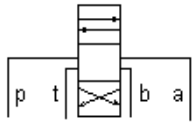
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1

CONFIGURATION OPTIONS

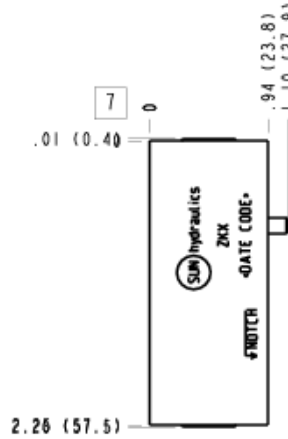
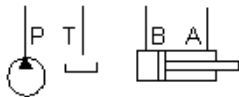
Model Code Example: ZJW

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Circuit Saver, Adaptor Block Switching Ports A and B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Adaptor - Switches ports A and B
Stack Height	25 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

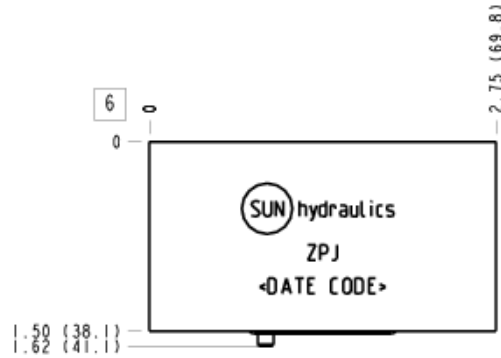
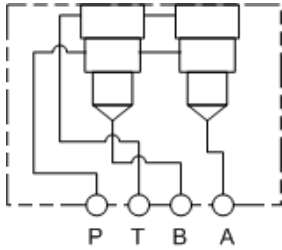
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
A330-006-002	SAE Plug	2

CONFIGURATION OPTIONS

Model Code Example: ZKX

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, 4 way, ports 1 to A and B, combined ports 2 to P and combined ports 3 to T
Clamp Height	22,4 mm

NOTES

- 1/16" NPTF below P-Port o-ring groove
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

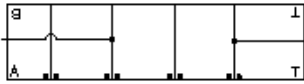
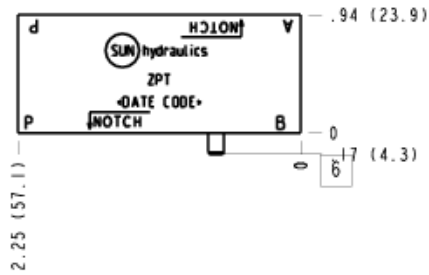
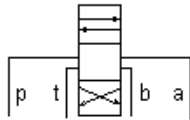
Part	Description	Quantity
500-001-012	O-Ring	4
811-001-006	Pin	1
850-004-156	Plug	1
850-004-218	Plug	1

CONFIGURATION OPTIONS

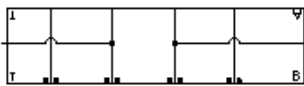
Model Code Example: ZPJ

MODIFIER

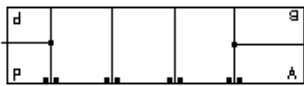
- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



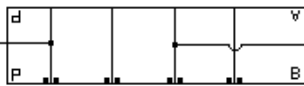
Circuit Saver, T and A, Tap in Manifold



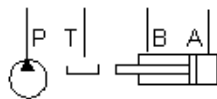
Circuit Saver, T and B, Tap in Manifold



Circuit Saver, P and A, Tap in Manifold



Circuit Saver, P and B, Tap in Manifold



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - P and A or P and B or T and A or T and B
Stack Height	25 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
ZPT, /10, /11, /15, /16, /S, /S3, /V, /Y, /Y3	External Port: SAE 4;

INCLUDED COMPONENTS

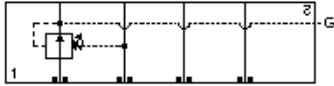
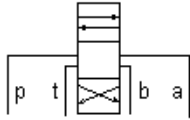
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: ZPT

MODIFIER

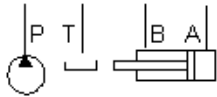
- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Reducing, On P, drain to T



Reducing/Relieving, On P tank to T



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	On P, port 3 to T
Stack Height	44,5 mm
Seal Plate Included (see notes)	Yes

NOTES

Important: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
ZTT, /S, /V, /Y	Gage Port (Plugged): SAE 4;

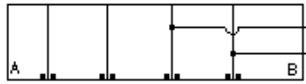
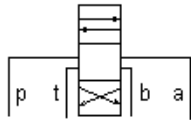
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1
850-004-218	Plug	1
A330-006-004	SAE Plug	1

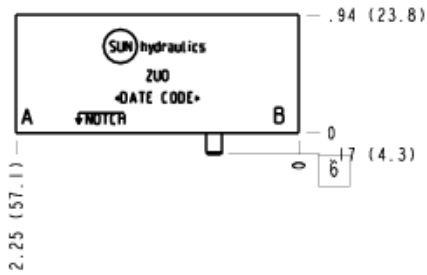
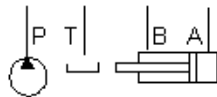
CONFIGURATION OPTIONS
Model Code Example: ZTT

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



Circuit Saver, A and B, Tap in Manifold



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - A and B
Stack Height	25 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
ZUO, /10, /11, /15, /16, /V	Side Ports: SAE 4;

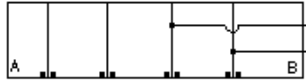
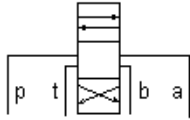
INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

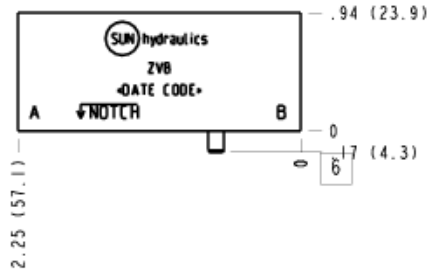
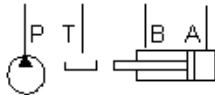
CONFIGURATION OPTIONS
Model Code Example: ZUO

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer



Circuit Saver, A and B, Tap in Manifold



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - A and B
Stack Height	25 mm
Seal Plate Included (see notes)	Yes
Mounting Hole Diameter	5,2 mm
Mounting Hole Depth	Through
Mounting Hole Quantity	4

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
ZVB, /V	Ports A & B: 1/4" BSPP;

INCLUDED COMPONENTS

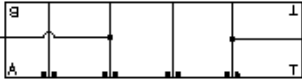
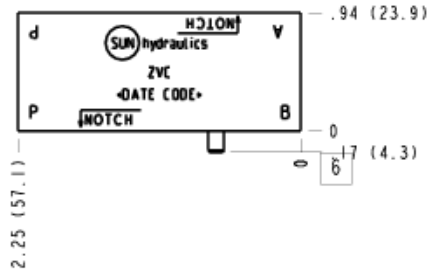
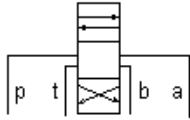
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

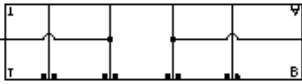
Model Code Example: ZVB

MODIFIER

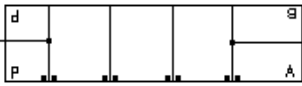
- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened



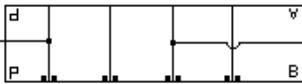
Circuit Saver, T and A, Tap in Manifold



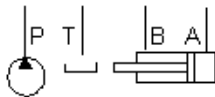
Circuit Saver, T and B, Tap in Manifold



Circuit Saver, P and A, Tap in Manifold



Circuit Saver, P and B, Tap in Manifold



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - P and A or P and B or T and A or T and B
Stack Height	25 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
ZVC, /10, /11, /15, /16, /S, /S3, /V, /Y, /Y3	Side Ports: 1/4" BSPP;

INCLUDED COMPONENTS

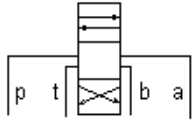
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: ZVC

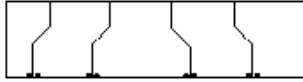
MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /11** 6061-T651 Aluminum, Buna-N, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /10** 6061-T651 Aluminum, Buna-N, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /V** 6061-T651 Aluminum, Viton
- /16** 6061-T651 Aluminum, Viton, Clear Anodize - Per MIL SPEC 8625F Type II, Class I
- /15** 6061-T651 Aluminum, Viton, Black Anodize - Per MIL SPEC 8625F Type II, Class II
- /S** 65-45-12 Ductile Iron, Buna-N, Chem. Black
- /S3** 65-45-12 Ductile Iron, Buna-N, Trivalent Clear Zinc with Top Sealer
- /Y** 65-45-12 Ductile Iron, Viton, Chem. Black
- /Y3** 65-45-12 Ductile Iron, Viton, Trivalent Clear Zinc with Top Sealer

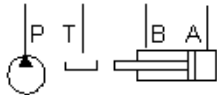


TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Adaptor from Cetop 3 to Cetop 5 (metric)



Circuit Saver, Adaptor Block from Cetop 3 to Cetop 5



NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

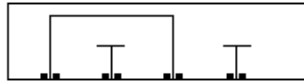
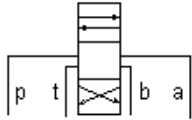
Part	Description	Quantity
500-001-014	O-Ring	5

CONFIGURATION OPTIONS

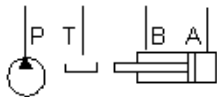
Model Code Example: ZVT

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Blanking Plate, P to B



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Cover manifold, P to B
Clamp Height	.49 in.

NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

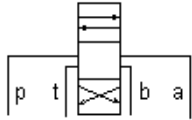
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1

CONFIGURATION OPTIONS

Model Code Example: **ZWE**

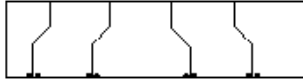
MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened

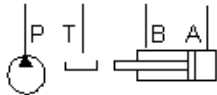


TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Adaptor from Cetop 3 to Cetop 5 (US)



Circuit Saver, Adaptor Block from Cetop 3 to Cetop 5



NOTES *Important:* Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

INCLUDED COMPONENTS

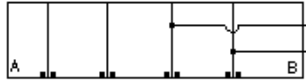
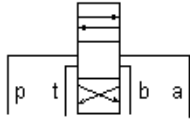
Part	Description	Quantity
500-001-014	O-Ring	5

CONFIGURATION OPTIONS

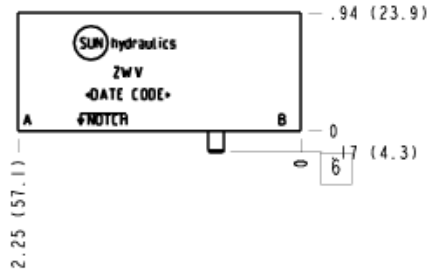
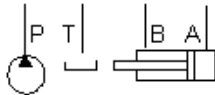
Model Code Example: **ZWU**

MODIFIER

- 6061-T651 Aluminum, Buna-N**
- /S** 65-45-12 Ductile Iron, Buna-N, Blackened
- /V** 6061-T651 Aluminum, Viton
- /Y** 65-45-12 Ductile Iron, Viton, Blackened



Circuit Saver, A and B, Tap in Manifold



TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - A and B
Stack Height	25 mm
Seal Plate Included (see notes)	Yes

NOTES

- Stack height value in technical data table includes seal retainer plate.
- Customer to install locating pin according to functional orientation required.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
ZWV, /V	External Port: 1/4" NPTF;

INCLUDED COMPONENTS

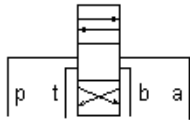
Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: ZWV

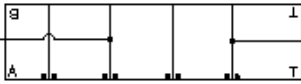
MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened

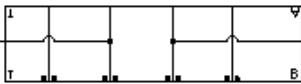


TECHNICAL DATA

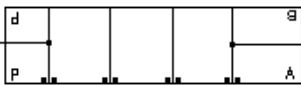
Body Type	Sandwich
Interface	ISO 03
Body Features	Tap in manifold - P and A or P and B or T and A or T and B
Stack Height	25 mm



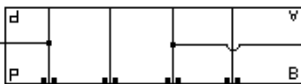
Circuit Saver, T and A, Tap in Manifold



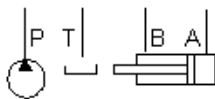
Circuit Saver, T and B, Tap in Manifold



Circuit Saver, P and A, Tap in Manifold



Circuit Saver, P and B, Tap in Manifold



NOTES

- Stack height value in technical data table includes seal retainer plate.
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

PORT DESIGNATORS

Modifiers	Ports
ZWW, /V	External Port: 1/4" NPTF;

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012	O-Ring	4
700-002	Seal Plate	1
811-001-006	Pin	1

CONFIGURATION OPTIONS

Model Code Example: ZWW

MODIFIER

- 6061-T651 Aluminum, Buna-N
- /S 65-45-12 Ductile Iron, Buna-N, Blackened
- /V 6061-T651 Aluminum, Viton
- /Y 65-45-12 Ductile Iron, Viton, Blackened

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