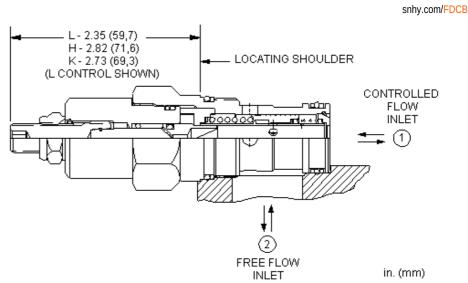
MODEL FDCB Fully adjustable pressure compensated flow control valve with reverse flow check SERIES 2 / CAPACITY: 45 L/min. / CAVITY: T-5A





Fully adjustable, pressure-compensated flow controls with reverse-flow check provide precise flow regulation for meter-in or meter-out applications where there may be wide pressure fluctuations. They are infinitely adjustable from nearly closed up to the maximum flow. An integral high-capacity check valve provides unrestricted flow from port 2 to port 1.

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

| Cavity | T-5A |
|---|------------------|
| Series | 2 |
| Capacity | 45 L/min. |
| Maximum Operating Pressure | 350 bar |
| Adjustment - No. of CCW Turns from Fully Closed to Fully Open | 5 |
| Valve Hex Size | 28,6 mm |
| Valve Installation Torque | 61 - 68 Nm |
| Adjustment Screw Internal Hex Size | 4 mm |
| Locknut Hex Size | 15 mm |
| Locknut Torque | 9 - 10 Nm |
| Seal kit - Cartridge | Buna: 990203007 |
| Seal kit - Cartridge | EPDM: 990203014 |
| Seal kit - Cartridge | Viton: 990203006 |
| Model Weight | 0.28 kg. |

NOTES

For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.

CONFIGURATION OPTIONS

Model Code Example: FDCBLAN

| CONTROL (L) | ADJUSTMENT RANGE | (A) SEAL MATERIAL | (N) MATERIAL/COATING |
|--|---------------------------------------|-------------------|-----------------------------|
| L Standard Screw Adjustment | A .2 - 12 gpm (0,8 - 45 L/min.) | N Buna-N | Standard Material/Coating |
| H Calibrated Handknob with Detent Lock | B .2 - 3 gpm (0,8 - 11 L/min.) | E EPDM | /LH Mild Steel, Zinc-Nickel |
| K Handknob | | V Viton | |

Y Tri-Grip Handknob

TECHNICAL FEATURES

- All 2-port flow control cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- A balanced adjustment mechanism allows for easy adjustment even at high pressures.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- Minimum leakage is .2 gpm (0,8 L/min) when the adjustment mechanism is turned to the shut-off position.
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.

PERFORMANCE CURVES

