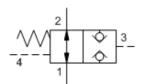
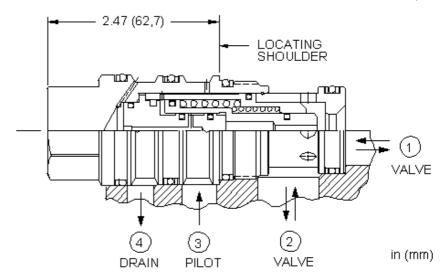
SERIES 3 / CAPACITY: 240 L/min. / CAVITY: T-23A



snhy.com/DOHS





This is a normally open, balanced poppet, switching element. Pilot pressure at port 3 shifts the valve to the closed position.

TECHNICAL DATA

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

| Cavity | T-23A |
|------------------------------------------------|-------------------------|
| Series | 3 |
| Capacity | 240 L/min. |
| Minimum Pilot Pressure Required to Shift Valve | 20 bar |
| Maximum Operating Pressure | 350 bar |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 0,7 cc/min.@350 bar |
| Pilot Volume Displacement | 0,82 cc |
| Valve Hex Size | 31,8 mm |
| Valve Installation Torque | 203 - 217 Nm |
| Seal kit - Cartridge | Buna: 990023007 |
| Seal kit - Cartridge | EPDM: 990023014 |
| Seal kit - Cartridge | Polyurethane: 990023002 |
| Seal kit - Cartridge | Viton: 990023006 |
| Model Weight | 0.67 kg. |

CONFIGURATION OPTIONS

Model Code Example: DOHSXHN

| CONTROL | (X) | MINIMUM PILOT PRESSURE | (H) | SEAL MATERIAL | (N) | MATERIAL/COATING | |
|------------------|-----|---------------------------|-----|----------------|-----|---------------------------------|--|
| X Standard Pilot | | H 300 psi (20 bar) | | N Buna-N | | Standard Material/Coating | |
| _ | | | | E EPDM | | IAP Stainless Steel, Passivated | |
| | | | | V Viton | | | |

TECHNICAL FEATURES

- Unique balanced construction provides predictable switching with 5000 psi (350 bar) at both ports 1 and 2, with the external drain open and a minimum pilot pressure of 300 psi (20 bar).
- Port 1 and port 2 are fully sealed from port 3 and port 4. Ports 3 and 4 are positively sealed.
- Any backpressure at the drain port is directly additive to the required pilot pressure for reliable operation.
- Leakage rate between port 1 and port 2 is very low, typically less than 10 drops/min. at 5000 psi (0,7 cc/min at 350 bar).
- Valve will reseat when the pilot pressure falls below 145 psi (10 bar).
- These valves are hydraulically balanced between port 1 and port 2.
- 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.
- All ports will accept 5000 psi (350 bar).
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

PERFORMANCE CURVES

