

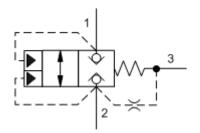


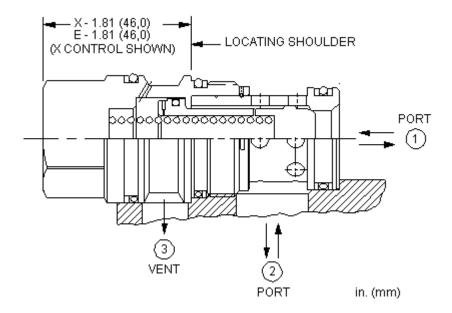
Vent-to-open, spring-biased closed, unbalanced poppet logic element with pilot source from port 2

CAPACITY: 100 gpm / CAVITY: T-17A



sunhydraulics.com/model/LOHB





These unbalanced, vent-to-open logic valves are 2-way switching elements that are spring-biased closed and have port 2 as a pilot source. With port 3 blocked, the valve will remain in the closed position in the 2 to 1 direction and will function as a check valve from 1 to 2. With port 3 vented, the valve will open provided there is sufficient pressure to overcome the spring force. The force generated at port 3, plus the spring force, must be greater than the sum of the forces acting at port 1 and port 2 for the valve to remain closed. NOTE: The pilot area (port 3) is 1.8 times the area at port 1 and 2.25 times the area at port 2.

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

| Maximum Operating Pressure | 5000 psi |
|---|---------------------------|
| Area Ratio, A3 to A1 | 1.8:1 |
| Area Ratio, A3 to A2 | 2.25:1 |
| Control Orifice Diameter | .031 in. |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 10 drops/min. |
| Pilot Volume Displacement | .25 in ³ |
| Seal kit - Cartridge | Buna: 990-017-007 |
| Seal kit - Cartridge | EPDM: 990-017-014 |
| Seal kit - Cartridge | Polyurethane: 990-017-002 |
| Seal kit - Cartridge | Viton: 990-017-006 |

CONFIGURATION OPTIONS

Model Code Example: LOHBLXN

CONTROL (L) SEAL MATERIAL (N) MATERIAL/COATING

L Stroke Adjustment
X Not Adjustable

| N | Buna-N | | Standard Material/Coating |
|---|--------|-----|-----------------------------|
| Е | EPDM | /AP | Stainless Steel, Passivated |
| ٧ | Viton | | |

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