

## Normally closed, modulating element

Capacity:  
**60 gpm (240 L/min.)**

Functional Group:

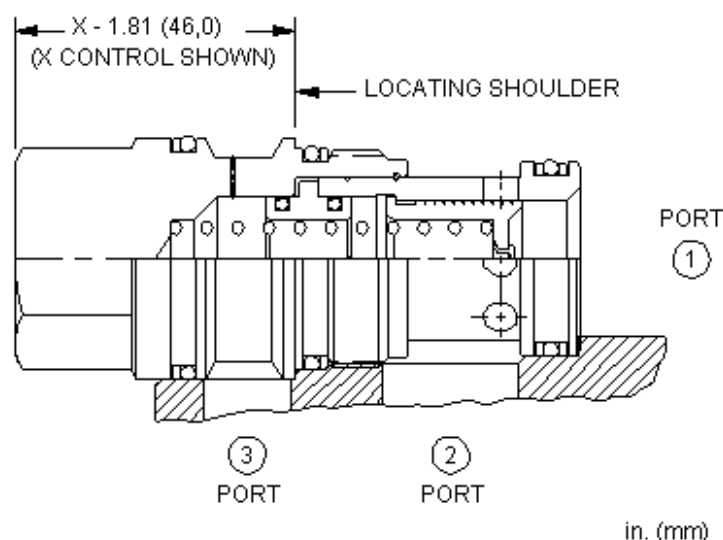
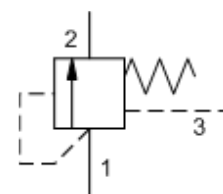
**Products : Cartridges : Logic Element : Modulating : Normally Closed**

Model:

**LRHC**

### Product Description

Normally closed modulating elements without an internal orifice act as a bypass compensator to maintain a constant pressure drop across an orifice, regardless of variations in upstream or downstream pressure.



### Technical Features

- An optional tuning adjustment (L control) is offered to vary the pressure drop across the compensator to increase/decrease flow. This option is only available with the D spring option (50 psi [3,5 bar]).
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP (see Option Selection below). The bodies of these valves are made from high strength lean duplex stainless steel. Adjustment screws are made from titanium or silicon brass, depending on the model. Lock nuts, retaining wires, and assorted controls are made from 316 stainless steel. Internal parts are made from carbon steel leaded alloy, the same as standard valves.
- 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.

**Technical Data**

|                            | <b>U.S. Units</b> | <b>Metric Units</b>                |
|----------------------------|-------------------|------------------------------------|
| Cavity                     |                   | <a href="#">T-17A</a>              |
| Capacity                   | 60 gpm            | 240 L/min.                         |
| Maximum Operating Pressure | 5000 psi          | 350 bar                            |
| Series (from Cavity)       |                   | <a href="#">Series 3</a>           |
| Valve Hex Size             | 1 1/4 in.         | 31,8 mm                            |
| Valve Installation Torque  | 150 - 160 lbf ft  | 200 - 215 Nm                       |
| Seal Kits - Cartridge      |                   | <a href="#">Buna: 990-017-007</a>  |
| Seal Kits - Cartridge      |                   | <a href="#">Viton: 990-017-006</a> |
| Model Weight               | 1.11 lb.          | 0.50 kg.                           |

**LRHC-XHN****Control****Differential Pressure****Seal Material****Material/Coating  
Modifier****Standard Options****Standard Options****Standard Options****Preferred Options****L** Tuning Adjustment**X** Not Adjustable**D** 50 psi (3,5 bar)**F** 100 psi (7 bar)**G** 150 psi (10,5 bar)**H** 200 psi (14 bar)**N** Buna-N**V** Viton**No modifier** (standard material  
with no special coating)**Special Options****/AP** Stainless Steel, Passivated

Control: X

***Our corrosion resistant product line is growing! If you are interested in a corrosion resistant option for this model, please contact Sun.***

When the control is L, the range must be D

When the control is X, the range must be D,F,G or H

When the modifier is /AP, the control must be X