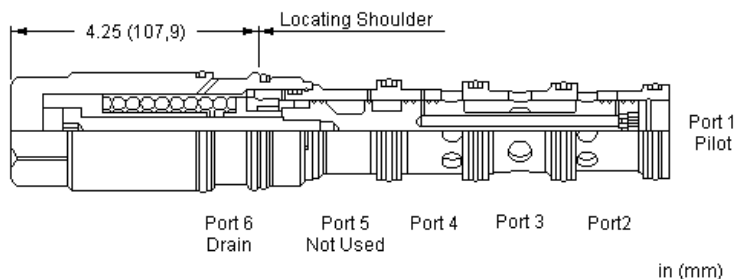
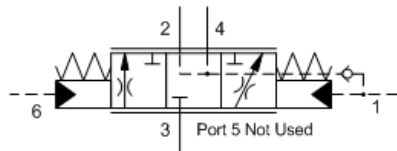


MODEL  
FTHH

3-way, 3-position, proportional directional valve with center bleed down  
CAPACITY: 320 L/min. | CAVITY: T-54A



## CONFIGURATION

|          |                     |                 |
|----------|---------------------|-----------------|
| <b>X</b> | Control             | Not Adjustable  |
| <b>C</b> | Spool Configuration | Normally Closed |
| <b>N</b> | Seal Material       | Buna-N          |

This valve is a 3-way, 3 position, proportional directional valve. Port 3 is closed in the center position and port 2 and port 4 are drained to port 1. Pilot pressure at port 1 creates a metering orifice between ports 3 and 4 that is proportional to the pressure at 1. Piloting 6 opens 3 to 2. The force balance of the flow forces, spring and pilot pressure results in a degree of partial self compensation as the load pressure changes.

Port 5 is not used.

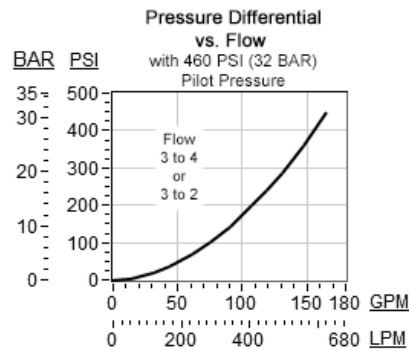
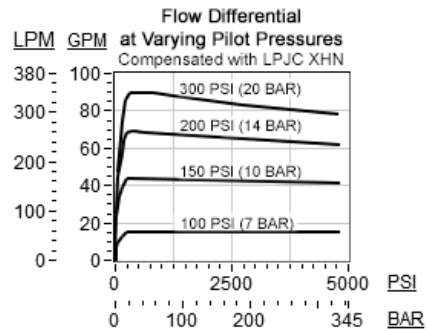
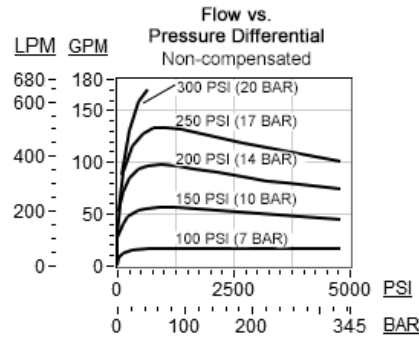
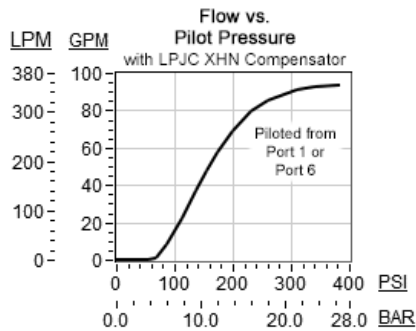
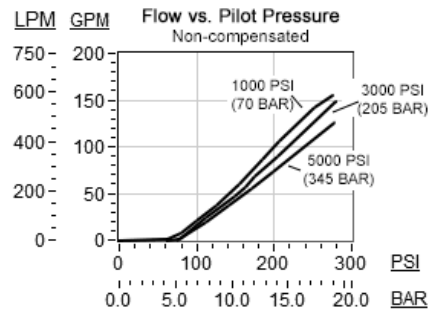
## TECHNICAL DATA

|                                                |                           |
|------------------------------------------------|---------------------------|
| Cavity                                         | T-54A                     |
| Series                                         | 4                         |
| Capacity                                       | 320 L/min.                |
| Minimum Pilot Pressure Required to Shift Valve | 5,5 bar                   |
| Maximum Operating Pressure                     | 350 bar                   |
| Maximum Valve Leakage at 110 SUS (24 cSt)      | 80 cc/min.@70 bar         |
| Pilot Volume Displacement                      | 4,3 cc                    |
| Hysteresis                                     | ± 2 %                     |
| Valve Hex Size                                 | 41,3 mm                   |
| Valve Installation Torque                      | 475 - 508 Nm              |
| Seal kit - Cartridge                           | Buna: 990-054-007         |
| Seal kit - Cartridge                           | Polyurethane: 990-054-002 |
| Seal kit - Cartridge                           | Viton: 990-054-006        |

## TECHNICAL FEATURES

- Maximum pilot pressure for ports 1 and 6 should not exceed 500 psi (35 bar).
- These valves may be pressure compensated by an external, modulating, logic element. Use LR\_C-XHN for a bypass circuit or LP\_C-XHN for a restrictive circuit.
- The valve provides a degree of self-compensation and may be used as a flow control. To increase the accuracy of flow control, an external, modulating, logic element can be used to maintain a constant flow over a wider range of flows and pressures. See performance curves for additional information.
- Pressure at ports 1 and 6 directly oppose each other.
- 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



## CONFIGURATION OPTIONS

### CONTROL

|                  |   |                |
|------------------|---|----------------|
| Standard Options | X | Not Adjustable |
|------------------|---|----------------|

### SPOOL CONFIGURATION

|                  |   |                 |
|------------------|---|-----------------|
| Standard Options | C | Normally Closed |
|------------------|---|-----------------|

### SEAL MATERIAL

|                  |   |        |
|------------------|---|--------|
| Standard Options | N | Buna-N |
|                  | V | Viton  |

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