



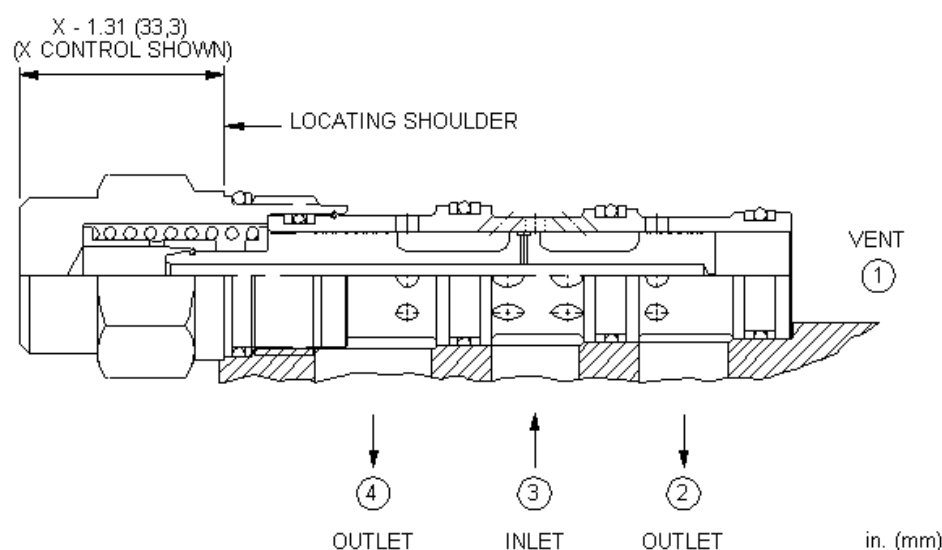
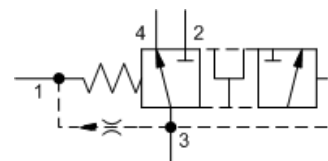
### 3-way vent-to-shift, diverter valve

Capacity:  
30 gpm (120 L/min.)

Model:  
DSEY

#### Product Description

This vent-to-shift diverter valve is a 2-position, 3-way cartridge that is normally open from port 3 to port 4. When port 1 is vented, the pressure differential between port 3 and port 1 exceeds the spring force causing the valve to shift, thereby connecting port 3 to port 2.



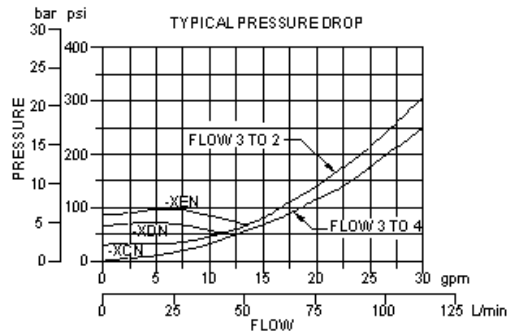
#### Technical Features

- This valve is not bistable; it is capable of modulating between the two positions shown.
- Vent flow out of port 1 is pressure compensated and is listed in Technical Data.
- There must be a pressure source at port 3, relative to port 1, to shift the valve.
- One application of this valve is to be used in pairs to select between 2 motors or pumps.
- One pilot valve may be used to vent multiple diverter valves if blocking checks are used at port 1 of each diverter. If blocking checks are not used there will be interaction between high and low pressure legs of the circuit.
- The vent-to-shift function is self cleaning and therefore insensitive to contamination.
- Hardened spool and sleeve provide consistent and low spool leakage rates and excellent wear characteristics.
- 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

|                            | U.S. Units               | Metric Units |
|----------------------------|--------------------------|--------------|
| Cavity                     |                          | T-32A        |
| Capacity                   | 30 gpm                   | 120 L/min.   |
| Maximum Operating Pressure | 5000 psi                 | 350 bar      |
| Nominal Vent Flow          | 23 in <sup>3</sup> /min. | 0,38 L/min.  |

|                           |                    |            |
|---------------------------|--------------------|------------|
| Series (from Cavity)      | Series 2           |            |
| Valve Hex Size            | 1 1/8 in.          | 28,6 mm    |
| Valve Installation Torque | 45 - 50 lbf ft     | 60 - 70 Nm |
| Seal Kits - Cartridge     | Buna: 990-032-007  |            |
| Seal Kits - Cartridge     | Viton: 990-032-006 |            |
| Model Weight              | 0.68 lb.           | 0.31 kg.   |



DSEY-XEN

| Control          | Minimum Control Pressure | Seal Material    |
|------------------|--------------------------|------------------|
| Standard Options | Standard Options         | Standard Options |
| X Not Adjustable | C 30 psi (2 bar)         | N Buna-N         |
|                  | D 50 psi (3,5 bar)       | V Viton          |
|                  | E 75 psi (5 bar)         |                  |