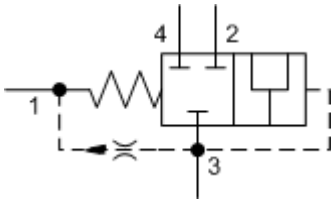


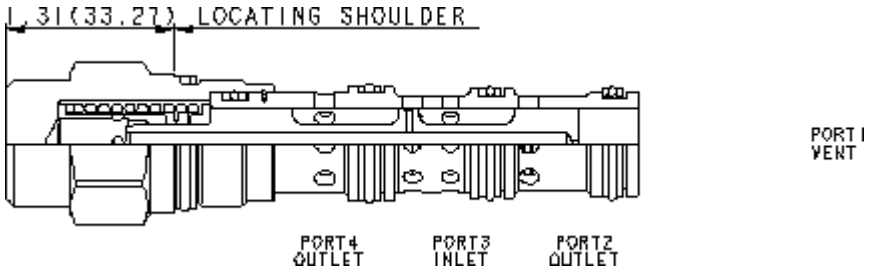


## CONFIGURATION

| | | |
|---|---|---|
| **X** | Control | Not Adjustable |
| **E** | Minimum Control Pressure | 75 psi (5 bar) |
| **N** | Seal Material | Buna-N |

This is a vent-to-shift, 2-position, diverter valve that is normally closed. 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 with ports 2 and 4.

## TECHNICAL DATA

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

| | |
|---|---|
| Cavity | T-32A |
| Series | 2 |
| Capacity | 30 gpm |
| Maximum Operating Pressure | 5000 psi |
| Nominal Vent Flow | 23 $in^3$/min. |
| Valve Hex Size | 1 1/8 in. |
| Valve Installation Torque | 45 - 50 lbf ft |
| Model Weight | 0.68 lb. |
| Seal kit - Cartridge | Buna: 990-032-007 |
| Seal kit - Cartridge | Polyurethane: 990-032-002 |
| Seal kit - Cartridge | Viton: 990-032-006 |

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## OPTION SELECTION EXAMPLE: DSEXXEN

| CONTROL | (X) |
|---|---|
| **X** | Not Adjustable |

| MINIMUM CONTROL PRESSURE | (E) |
|---|---|
| **E** | 75 psi (5 bar) |
| **C** | 30 psi (2 bar) |
| **D** | 50 psi (3,5 bar) |

| SEAL MATERIAL | (N) |
|---|---|
| **N** | Buna-N |
| **V** | Viton |

## 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 bypass divider/combiner valves in a limited-slip tractive circuit. Closed, the oil must go through the divider/combiner valves. Open, there is a large path around the divider/combiner valves for efficient high speed operation.
- 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.

## PERFORMANCE CURVES