



### CONFIGURATION

<b>X</b> Control	Not Adjustable
<b>D</b> Minimum Control Pressure	50 psi (3,5 bar)
<b>N</b> Seal Material	Buna-N

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 DATA

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

Cavity	T-33A
Series	3
Capacity	240 L/min.
Maximum Operating Pressure	350 bar
Nominal Vent Flow	0,60 L/min.
Valve Hex Size	31,8 mm
Valve Installation Torque	203 - 217 Nm
Seal kit - Cartridge	Buna: 990033007
Seal kit - Cartridge	Polyurethane: 990033002
Seal kit - Cartridge	Viton: 990033006
Model Weight	0.73 kg.

### CONFIGURATION OPTIONS

Model Code Example: **DSGYXDN**

<b>CONTROL</b>	<b>(X)</b>	<b>MINIMUM CONTROL PRESSURE</b>	<b>(D)</b>	<b>SEAL MATERIAL</b>	<b>(N)</b>
<b>X</b> Not Adjustable		<b>D</b> 50 psi (3,5 bar)		<b>N</b> Buna-N	
		<b>C</b> 30 psi (2 bar)		<b>V</b> Viton	
		<b>E</b> 75 psi (5 bar)			

### 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.

### PERFORMANCE CURVES

