

Directional, Diverter Cartridges

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Cavity Information

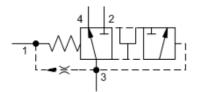
Series	Ports	Cavities
Series Z Cartridges	3-Port	T-382A
3/8-24 UNF Cartridge Thread		
5 mm Valve Hex Size		
1 - 14 Nm Valve Installation Torque		
Series P Cartridges	2-Port	T-8A
M16 Cartridge Thread	2-Port (Deep)	T-8DP
22.2 mm Valve Hex Size	3-Port	T-9A
27 - 33 Nm Valve Installation Torque		
Series 0 Cartridges	2-Port	T-162A
	2-Port (Deep)	T-162DP
M16 Cartridge Thread 19,1 mm Valve Hex Size	3-Port	T-150A
25,4 mm Valve Hex Size	3-Port	T-163A
27 - 33 Nm Valve Installation Torque	4-Port	T-30A
Series 1 Cartridges	2-Port	T-10A
M20 Cartridge Thread	2-Port	T-13A
vi20 Carmage Thread 22.2 mm Valve Hex Size	3-Port	T-11A
11 - 47 Nm Valve Installation Torque	4-Port	T-21A
The state installation forque	4-Port	T-31A
	6-Port	T-61A
Series 2 Cartridges	2-Port	T-3A
I"-14 UNS Cartridge Thread	2-Port	T-5A
28,6 mm Valve Hex Size	3-Port	T-2A
1 - 68 Nm Valve Installation Torque	4-Port 4-Port	T-22A
	4-Port (Dual path)	T-32A T-52AD
	6-Port	T-52AD T-52A
	6-Port	T-62A
Series 3 Cartridges	2-Port	T-16A
•	3-Port	T-17A
M36 Cartridge Thread 31,8 mm Valve Hex Size	4-Port	T-23A
203 - 217 Nm Valve Installation Torque	4-Port	T-33A
2	4-Port (Dual path)	T-53AD
	6-Port	T-53A
	6-Port	T-63A
Series 4 Cartridges	2-Port	T-18A
M48 Cartridge Thread	2-Port (Undercut)	T-18AU
11,3 mm Valve Hex Size	3-Port	T-19A T-19AU
174 - 508 Nm Valve Installation Torque	3-Port (Undercut) 4-Port	T-19AU T-24A
	4-Port (Undercut)	T-24A T-24AU
	4-Port	T-34A
	4-Port (Dual path)	T-54AD
	6-Port	T-54A
	6-Port	T-64A

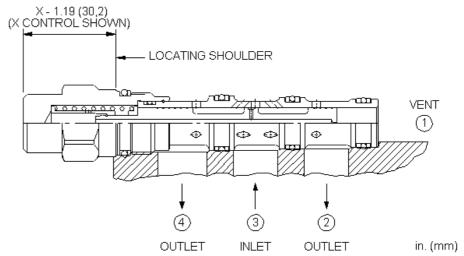


3-way, 2-position, vent-to-shift diverter valve, normally open SERIES 1 / CAPACITY: 60 L/min. / CAVITY: T-31A



sunhydraulics.com/model/DSCY





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.

Maximum Operating Pressure	350 bar	
Nominal Vent Flow	0,38 L/min.	
Seal kit - Cartridge	Buna: 990031007	
Seal kit - Cartridge	Polyurethane: 990031002	
Seal kit - Cartridge	Viton: 990031006	

CONFIGURATION OPTIONS

Model Code Example: DSCYXEN

CONTROL	(X) MINIMUM CONTROL PRESSU	JRE (E) SEAL MATERIAL	(N)
X Not Adjustable	E 75 psi (5 bar)	N Buna-N	

C 30 psi (2 bar)

V Viton

D 50 psi (3,5 bar)

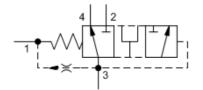
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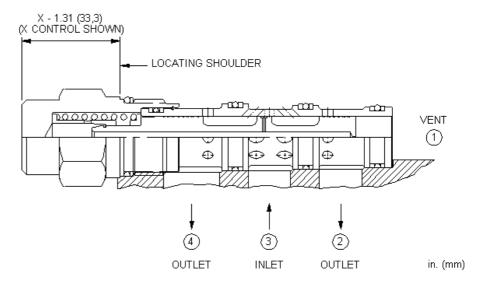






sunhydraulics.com/model/DSEY





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.

Maximum Operating Pressure	350 bar	
Nominal Vent Flow	0,38 L/min.	
Seal kit - Cartridge	Buna: 990032007	
Seal kit - Cartridge	Polyurethane: 990032002	
Seal kit - Cartridge	Viton: 990032006	

CONFIGURATION OPTIONS

Model Code Example: DSEYXEN

	(71)	minumoni contritor i rezocone	_/		7	
CONTROL	(X)	MINIMUM CONTROL PRESSURE	(E)	SEAL MATERIAL (N)	١)	MATERIAL/COATING

 X Not Adjustable
 E 75 psi (5 bar)

 C 30 psi (2 bar)

 D 50 psi (3,5 bar)

N Buna-N
V Viton

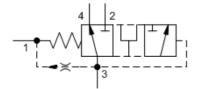
Standard Material/Coating /AP Stainless Steel, Passivated

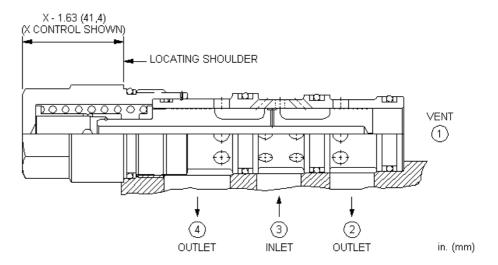
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3-way, 2-position, vent-to-shift diverter valve, normally open SERIES 3 / CAPACITY: 240 L/min. / CAVITY: T-33A



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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.

Maximum Operating Pressure	350 bar	
Nominal Vent Flow	0,60 L/min.	
Seal kit - Cartridge	Buna: 990033007	
Seal kit - Cartridge	Polyurethane: 990033002	
Seal kit - Cartridge	Viton: 990033006	

CONFIGURATION OPTIONS

Model Code Example: DSGYXEN

CONTROL (X) MINIMUM CONTROL PRESSURE (E) SEAL MATERIAL (N) X Not Adjustable

C 30 psi (2 bar)

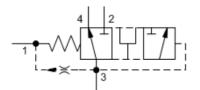
D 50 psi (3,5 bar)

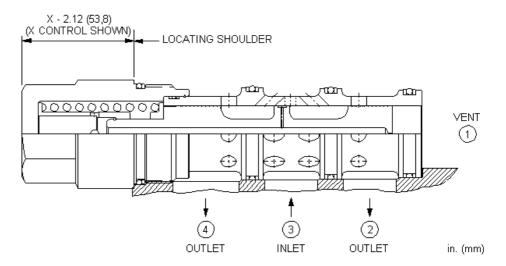
V Viton

© 2020 Sun Hydraulics 3 of 8 3-way, 2-position, vent-to-shift diverter valve, normally open SERIES 4 / CAPACITY: 480 L/min. / CAVITY: T-34A



sunhydraulics.com/model/DSIY





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.

Maximum Operating Pressure	350 bar	
Nominal Vent Flow	0,60 L/min.	
Seal kit - Cartridge	Buna: 990034007	
Seal kit - Cartridge	Polyurethane: 990034002	
Seal kit - Cartridge	Viton: 990034006	

CONFIGURATION OPTIONS

Model Code Example: DSIYXEN

CONTROL	(X) MINIMUM CONTROL PRESS	SURE (E) SEAL MATERIAL	(N) MATERIAL/COATING
X Not Adjustable	E 75 psi (5 bar)	N Buna-N	Standard Material/Coating
	C 30 psi (2 bar)	V Viton	/AP Stainless Steel, Passivated

D 50 psi (3,5 bar)

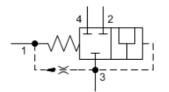
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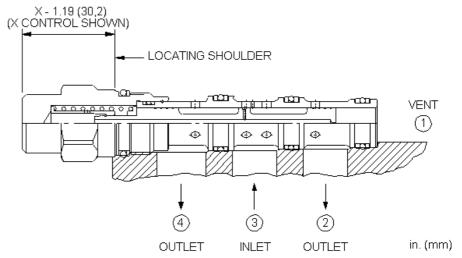


3-way, 2-position, vent-to-shift diverter valve, normally closed SERIES 1 / CAPACITY: 60 L/min. / CAVITY: T-31A



sunhydraulics.com/model/DSCX





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.

Maximum Operating Pressure	350 bar	
Nominal Vent Flow	0,38 L/min.	
Seal kit - Cartridge	Buna: 990031007	
Seal kit - Cartridge	Polyurethane: 990031002	
Seal kit - Cartridge	Viton: 990031006	

CONFIGURATION OPTIONS

Model Code Example: DSCXXEN

CONTROL (X	MINIMUM CONTROL PRESSURE (E	SEAL MATERIAL (N)
X Not Adjustable	E 75 psi (5 bar)	N Buna-N
	C 30 psi (2 bar)	V Viton

D 50 psi (3,5 bar)

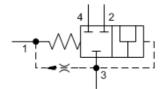
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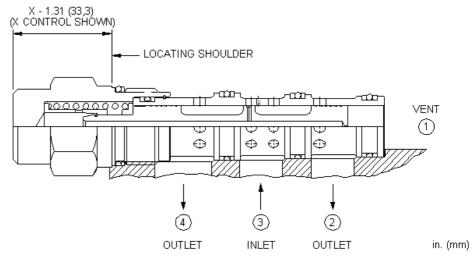


3-way, 2-position, vent-to-shift diverter valve, normally closed SERIES 2 / CAPACITY: 120 L/min. / CAVITY: T-32A



sunhydraulics.com/model/DSEX





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.

Maximum Operating Pressure	350 bar	
Nominal Vent Flow	0,38 L/min.	
Seal kit - Cartridge	Buna: 990032007	
Seal kit - Cartridge	Polyurethane: 990032002	
Seal kit - Cartridge	Viton: 990032006	

CONFIGURATION OPTIONS

Model Code Example: DSEXXEN

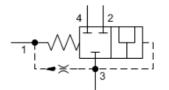
CONTROL	(X)	MINIMUM CONTROL PRESSURE	(E)	SEAL MATERIAL	(N)
X Not Adjustable		E 75 psi (5 bar)		N Buna-N	
		C 30 psi (2 bar)		V Viton	
		D 50 psi (3.5 bar)			

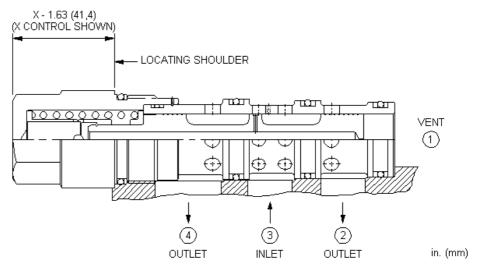
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3-way, 2-position, vent-to-shift diverter valve, normally closed SERIES 3 / CAPACITY: 240 L/min. / CAVITY: T-33A



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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.

Maximum Operating Pressure	350 bar		
Nominal Vent Flow	0,60 L/min.		
Seal kit - Cartridge	Buna: 990033007		
Seal kit - Cartridge	Polyurethane: 990033002		
Seal kit - Cartridge	Viton: 990033006		

CONFIGURATION OPTIONS

Model Code Example: DSGXXEN

CONTROL (X) MINIMUM CONTROL PRESSURE (E) SEAL MATERIAL

X Not Adjustable

V Viton

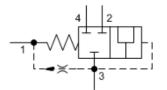
C 30 psi (2 bar)

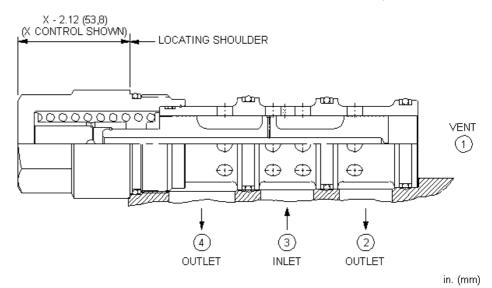
D 50 psi (3,5 bar)

© 2020 Sun Hydraulics 7 of 8 3-way, 2-position, vent-to-shift diverter valve, normally closed SERIES 4 / CAPACITY: 480 L/min. / CAVITY: T-34A



sunhydraulics.com/model/DSIX





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.

Maximum Operating Pressure	350 bar		
Nominal Vent Flow	0,60 L/min.		
Seal kit - Cartridge	Buna: 990034007		
Seal kit - Cartridge	Polyurethane: 990034002		
Seal kit - Cartridge	Viton: 990034006		

CONFIGURATION OPTIONS

Model Code Example: DSIXXEN

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

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