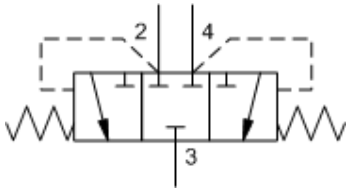
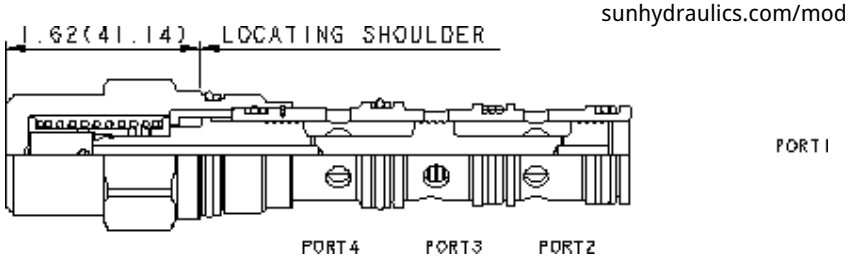
MODEL
DSES

High side, 3-position, shuttle valve
SERIES 2 / CAPACITY: 120 L/min. / CAVITY: T-32A

sunhydraulics.com/model/DSES





CONFIGURATION

X	Control	Not Adjustable
C	Shifting Pressure	30 psi (2 bar)
N	Seal Material	Buna-N

High-side shuttle cartridges are most often used in full-time regeneration circuits. When both work ports (ports 2 and 4) are at equal pressures the valve is spring-centered to an all-ports-blocked position. When one of the work ports (port 2 or 4) sees a higher pressure it is connected to the common port (port 3).

TECHNICAL DATA

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

Cavity	T-32A
Series	2
Capacity	120 L/min.
Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	50 cc/min.@70 bar
Valve Hex Size	28,6 mm
Valve Installation Torque	61 - 68 Nm
Seal kit - Cartridge	Buna: 990032007
Seal kit - Cartridge	Polyurethane: 990032002
Seal kit - Cartridge	Viton: 990032006
Model Weight	0.33 kg.

CONFIGURATION OPTIONS

Model Code Example: DSESXCN

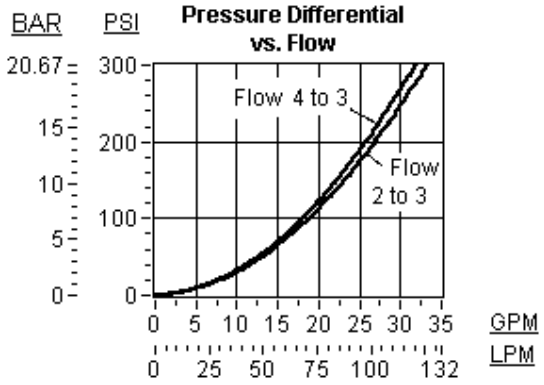
CONTROL (X)	SHIFTING PRESSURE (C)	SEAL MATERIAL (N)
X Not Adjustable	**C** 30 psi (2 bar)	**N** Buna-N
	E 75 psi (5 bar)	**V** Viton
	F 100 psi (7 bar)	
	G 150 psi (10,5 bar)	

TECHNICAL FEATURES

- This valve provides overrunning load control in regeneration applications where the load tends to extend the cylinder. Because there is spool leakage, it does not prevent drift.
- Hardened spool/sleeve construction provides excellent wear characteristics and minimizes cross leakage.
- Although this valve goes into a 4-port cavity, the nose (port 1) is not used.
- 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

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