

PILOT OPERATED CHECK VALVE - FZ2S6



CETOP 3 | Sandwich Type | 315bar

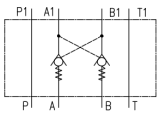
Specification/ Technical Data

Maximum Pressure	315 bar
Maximum Flow	60 lpm
Cracking Pressure	1.5 bar
Type	Sandwich
Mounting	CETOP 3
Area Ratio	A1:A2=1:3
Body Material	SG Iron
Media	Mineral Oil
Oil Temperature Range	+10 to 80°C
Oil Viscosity	ISO VG 46-100
Oil Cleanliness (ISO 4406)	20/18 /15
Orientation	Any
Weight	0.8 Kg

Note: Sandwich DPOCV for A and B line available upon request against volumes

Ordering Information

Basic Code	Sandwich DPOCV	FZ2S
Size/ NG	NG6/ CETOP 3	6
Spool Config.	AB line	AB
Seal Material	NBR	No code
Version		1x



Sandwich type double pilot operated check valves (DPOCV) or sandwich isolator valve are used in hydraulic circuits for leak free closure of A & B ports for long periods of time. These valves are designed as internally piloted-to-open using pressure signal from opposite actuator port. The valves meet the requirement of CETOP 3 mounting interface (ISO4401) and used in vertical stacking assemblies.

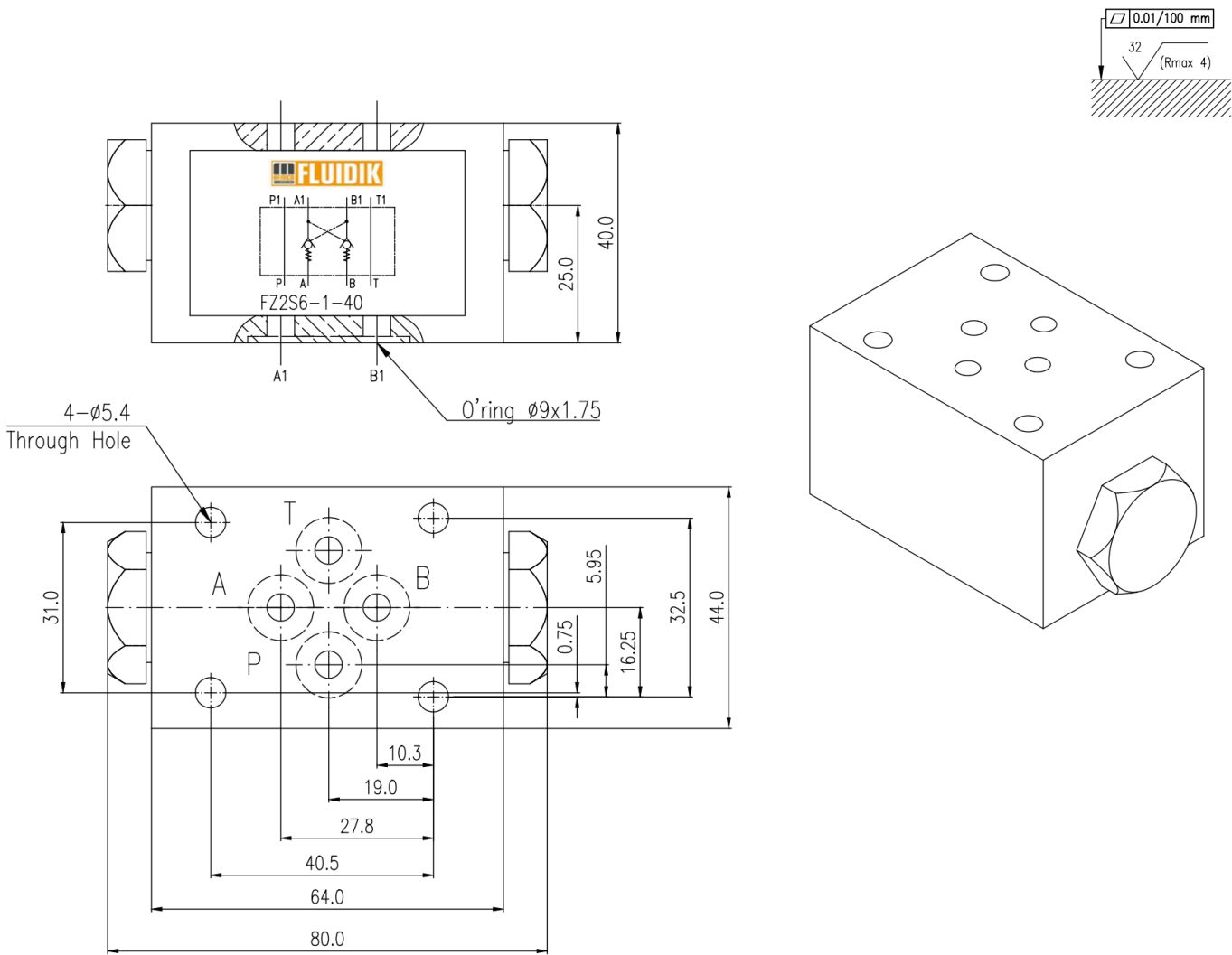
The valve allows free flow in direction A1 to A and B1 to B subject to the cracking pressure and in direction A to A1 and B to B1, the oil flow is blocked. However, the valve can be opened using internal pilot line.

The valve finds usage in hydraulic cylinder applications for pressure holding function. During forward operation, the oil flows from A1 to A (free flow) and the pilot line opens the valve in B line thereby allowing oil from rod side to move to tank. In the retraction stroke, the oil flows from B1 to B (free flow) and pilot line opens valve in A line to tank, thereby allowing retraction of cylinder.

When there is no oil flow from A1 to A or B1 to B, the check valves in both A & B lines are seated and the pressure in the cylinder is locked thereby achieving the required functionality.

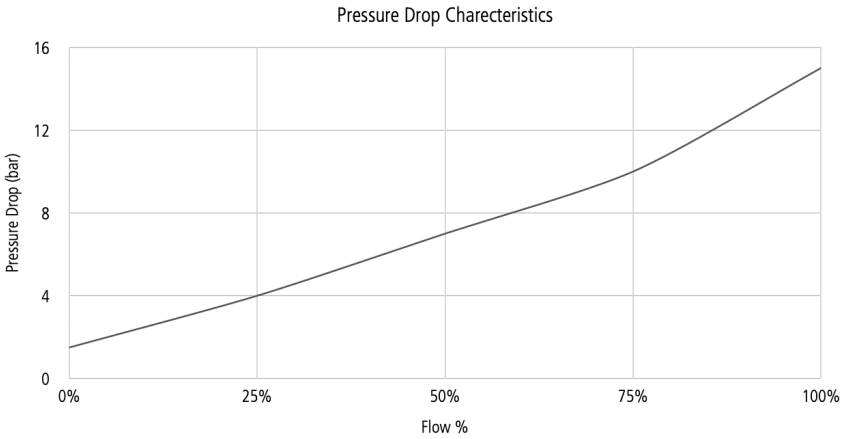
Note: It is recommended to use J and H spools with DPOCV and not E and G spools for efficient performance and better pressure holding in neutral position from the valve.

Dimensional Details



Performance Chart

Recorded at T_{Oil} = 40°C and 68 cSt.



All dimensions in mm

Spares List

Seal Kit	SSVF4WE61x
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