



8.3

Pressure gauge isolator valve

Type AF 6...L3X

Size 6
up to 315 bar



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Features

- 3-way spool valve
- For sub-plate mounting
- For threaded connections
- Push button operated

Pressure gauge isolator valves type AF 6 are 3-way spool valves for manual operation.

They serve to monitor the prevailing operating pressure.

The valves basically consist of housing (1), spool (2), compress spring (3), push button (4).

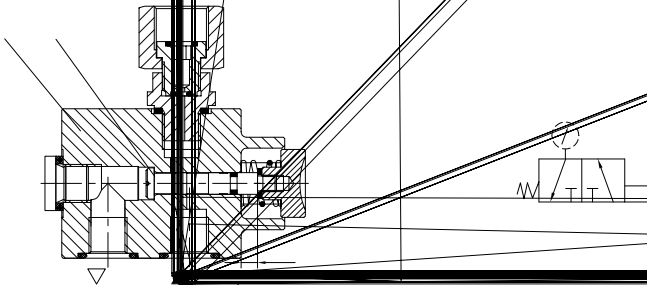
It has two switched positions as well as spring return to the initial position.

In the initial position, flow from P to the pressure gauge via the spool (2) is blocked and the pressure gauge is connected with chamber T.

When the button (4) is pushed, the spool (2), is moved into the switched position, giving free flow from P to the pressure gauge and the connection to T is blocked. After operation, the spool (2) is pushed back into the initial position by the compress spring (3) and thereby unloads the pressure gauge.

The valve is available for sub-plate mounting or threaded connections.

The pressure gauge can be directly screwed in to the valve housing or fitted separately (see installation examples).



Installation examples

Ordering code

	A	F	6	E	-L3X	/	/		*
Isolator valve	= A								
Spring return	= F								
Nominal size 6	= 6								
Single valve	= E								
For threaded connections	= A								
For sub-plate mounting	= P								
Series L30 to L39 (L30 to L39: unchanged installation and connection dimensions)	= L3X								
Without pressure gauge connection	= X								
With pressure gauge connection	= X1								
With radial boundless pressure gauge	= Y								

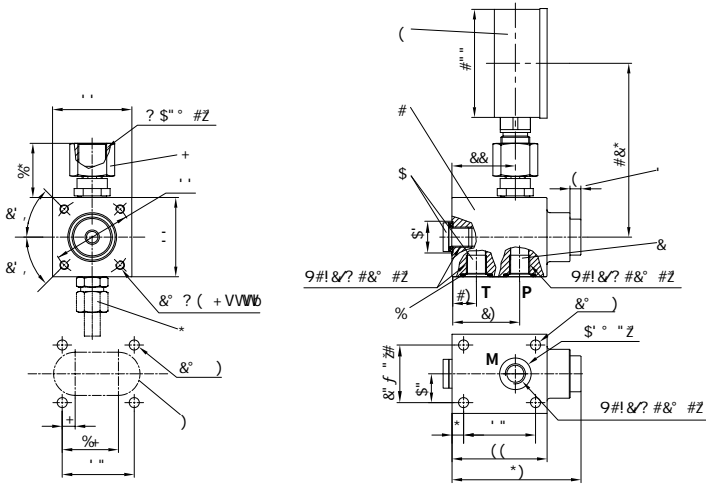
Further details in clear text	
No code =	NBR seals
V =	FKM seals
Connection thread:	
No code =	Inch threaded
2 =	Metric threaded
Pressure gauge measuring range (only for version Y)	
6 =	Indication range up to 60bar (allowable max. operating pressure 40bar)
10 =	Indication range up to 100bar (allowable max. operating pressure 63bar)
16 =	Indication range up to 160bar (allowable max. operating pressure 100bar)
25 =	Indication range up to 250bar (allowable max. operating pressure 160bar)
40 =	Indication range up to 400bar (allowable max. operating pressure 315bar)

Technical data

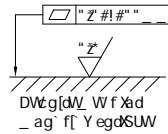
Fluid		Mineral oil, Phosphate ester
Fluid temperature range		-30 to +80 (NBR seal)
		-20 to +80 (FKM seal)
Viscosity range	mm ² /s	2.8 to 380
Degree of contamination		Maximum permissible degree of fluid contamination: Class 9, NAS 1638 or 20/18/15, ISO 4406
Max. operating pressure	bar	315
Indicating range of pressure gauge	bar	60, 100, 160, 250, 400
		the indicating range should be approx. 30% above the max. operating pressure
Weight	kg	1.4

Unit dimensions

(Dimensions in mm)



- 1 Pressure gauge isolator valve
- 2 Tank port, optional
- 3 O-ring 20x 2.65 (for plate-type connection)
- 4 Pressure port (pump)
- 5 Push button, stroke 6 mm
- 6 Pressure gauge diameter 100mm
- 7 Panel cut-out
- 8 Connectors (out of the supplying scop)
- 9 Pressure connections



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