

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





Function and configuration

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 channel 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



(allowable max. operating pressure 315bar)

Ordering code

| A F 6 E -L3X | * | |
|---|--|--|
| Isolator valve = A | Further details in clear text | |
| Spring return = F | No code = NBR seals | |
| Nominal size 6 =6 | V = FKM seals | |
| | Connection thread: | |
| Single valve = E | No code = Inch threaded | |
| | 2 = Metric threaded | |
| For threaded connections = A For sub-plate mounting = P | Pressure gauge measuring range (only for version Y | |
| | 6 = Indication range up to 60bar | |
| Series L30 to L39 =L3X | (allowable max. operating pressure 40bar) | |
| (L30 to L39: unchanged installation and 10= Indication range up to 100bar | | |
| connection dimensions) | (allowable max. operating pressure 63bar) | |
| Without pressure gauge connection =X | 16= Indication range up to 160bar | |
| Without pressure gauge connection=XWith pressure gauge connection=X1 | (allowable max. operating pressure 100bar) | |
| | 25= Indication range up to 250bar | |
| With radial boundless pressure gauge =Y (allowable max. operating pressure 160ba) | | |
| | 40= Indication range up to 400bar | |

Technical data

| Fluid | | Mineral oil, Phosphate ester |
|-------------------------------------|-------|--|
| Fluid temperature range | °C | -30 to +80 (NBR seal) |
| | | -20 to +80 (FKM seal) |
| Viscosity range | mm²/s | 2.8 to 380 |
| Degree of contamination | | Maximum permissible degree of fluid contamination: |
| | | Class 9. NAS 1638 or 20/18/15, ISO4406 |
| Max.operating pressure | bar | 315 |
| Indicatingrange of pressure gauge b | 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 20×2.65 (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

🗁 0.01/100mm 0.8 Requirement for mounting surface



| Cormany | lanan |
|------------------|------------------|
| +86 400 101 8889 | +01 630 995 3674 |
| China | America |

Germany Japan +49 172 3683463 +81 03 6



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