Rexroth Bosch Group

RE 18319-33/09.09 1/2 Replaces: RE 00162-02/01.06

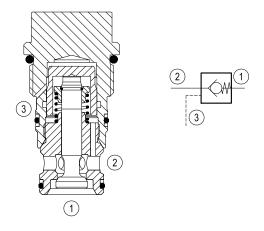
Pilot operated check, pilot to open

Common cavity, Size 16

VSON-16A

04.33.08 - X - 27 - Z

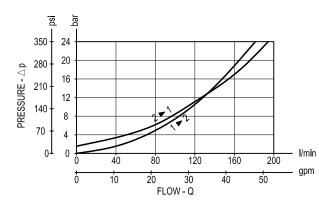




Description

When pressure at 2 rises above the spring bias pressure, the poppet is pushed from its seat and flow is allowed from 2 to 1. The valve is normally closed (checked) from 1 to 2. When sufficient pilot pressure is present at port 3, the pilot piston acts to push the poppet from its seat and flow is allowed from 1 to 2. Precision machining and hardening processes allow virtually leak-free performance in the checked condition.

Performance

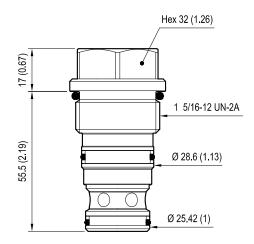


Technical data

| Max. operating press | sure bar (psi) | 350 (5000) |
|---------------------------------|----------------------|--|
| Max. flow I/min. (gpm) | | 200 (53) |
| Pilot ratio | | 3:1 |
| Max. internal leakage | drop/min. | 5 |
| Fluid temperature range °C (°F) | | -30 to 100 (-22 to 212) |
| Installation torque | Nm (ft-lbs) | 108-122 (80-90) |
| Weight | kg (lbs) | 0.32 (0.71) |
| Cavity | | CA-16A-3C see data sheet RE 18325-70 |
| Seal kit (*) | code material no. | |
| Fluids | | Mineral-based or synthetics with lubricating properties at viscosities of 5 to 800 mm²/s (cSt) |
| Filtration | | Nominal value max. 10µm (NAS 8) ISO 4406 19/17/14 |
| Installation | | No restrictions |
| Other Technical Data | | See data sheet RE 18350-50 |
| (*) Only external se | als for 10 valve | 26 |

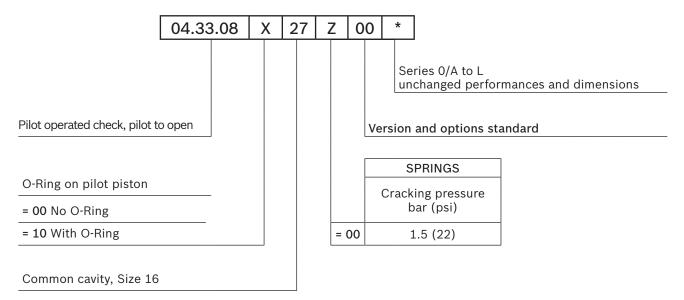
^(*) Only external seals for 10 valves

Dimensions



mm (Inches)

Ordering code



| Туре | Material number |
|-----------------|-----------------|
| 043308002700000 | R901106635 |
| 043308102700000 | R901106636 |
| | |

| Туре | Material number |
|------|-----------------|
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Subject to change.