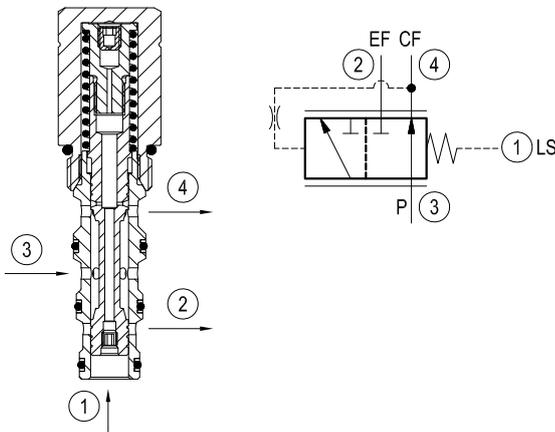


Logic element, pressure compensator with static load sense

Common cavity, Size 10

VRLA-10A-S

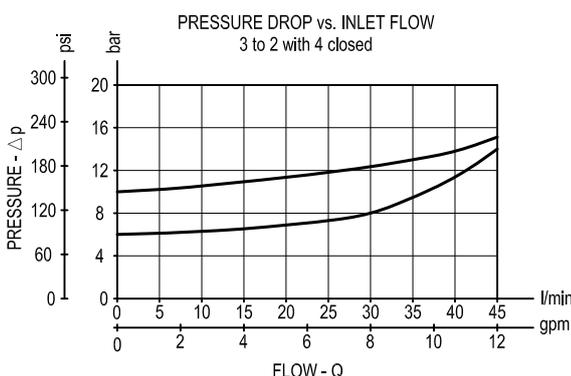
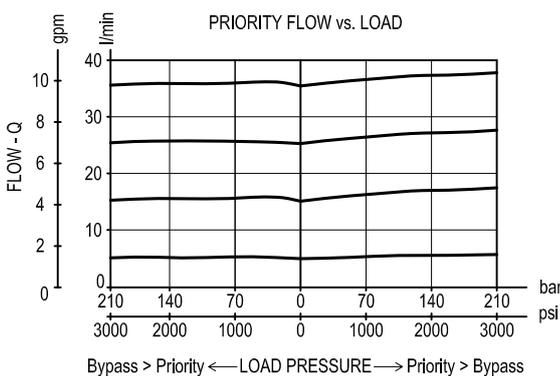
04.84.09.00 - 85 - Z



Description

The valve delivers priority flow, from 0 to max. available, on demand to port 4, while compensating for load changes downstream. In neutral, all input flow at 3 is given to the priority port 4. Pressure at 4 is applied to the spool against a spring force so that increasing pressure causes increasing by-pass of input flow to port 2. Load sense pressure at port 1, obtained between the downstream control and the load, assists the spring, and moves the spool back toward supplying priority flow. Comparison between priority outlet and LS pressure seeks a constant differential pressure over the control valve. As load and flow control change, the priority flow is increased or decreased to satisfy the demand establishing that differential.

Performance

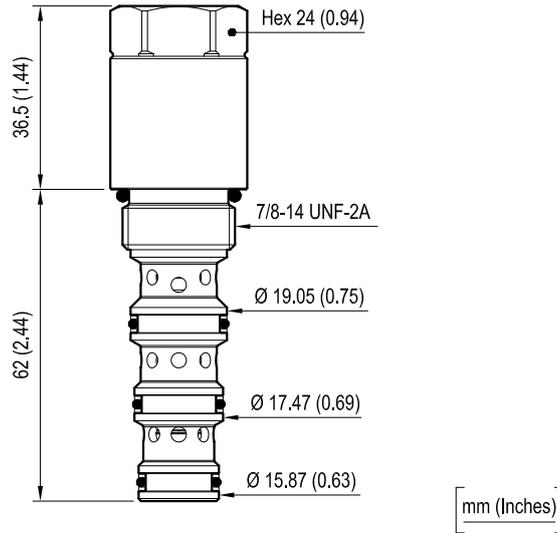


Technical data

| | | |
|-------------------------|----------------------|--|
| Max. operating pressure | bar (psi) | 350 (5000) |
| Max. inlet flow | l/min. (gpm) | 45 (12) |
| Max. priority flow | l/min. (gpm) | 30 (8) for Z=05 version 40 (11) for Z=10 version |
| Fluid temperature range | °C (°F) | -30 to 100 (-22 to 212) |
| Installation torque | Nm (ft-lbs) | 41-47 (30-35) |
| Weight | kg (lbs) | 0.22 (0.49) |
| Cavity | | CA-10A-4N see data sheet RE 18325-70 |
| Seal kit (*) | code material no. | RG10A4010530100 R901111373 |
| Fluids | | Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /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 seals for 10 valves

Dimensions



Ordering code

| | | | | |
|-------------|----|---|----|---|
| 04.84.09.00 | 85 | Z | 00 | * |
|-------------|----|---|----|---|

Logic element, pressure compensator with static load sense

Common cavity, Size 10

Series 0/A to L
unchanged performances and dimensions

Version and options standard

| SPRINGS | |
|---------|-----------------------|
| | Bias spring bar (psi) |
| = 05 | 5.5 (80) ± 20% |
| = 10 | 10 (145) ± 15% |

| Type | Material number |
|-----------------|-----------------|
| 048409008505000 | R930001191 |
| 048409008510000 | R930001192 |
| | |
| | |
| | |

| Type | Material number |
|------|-----------------|
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