

1/2

RE 18318-24/04.10 Replaces: RE 00162-02/01.06

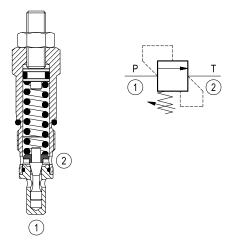
Relief, direct acting guided poppet type, hardened seat

Special cavity, 008

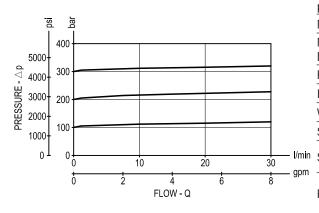
VS-30-NCF

04.11.18 - X - 09 - Z





Performance



Description

Flow is blocked from 1 to 2 until pressure increases to meet the selected valve setting, lifting the poppet from its seat and allowing relief flow through 2 to tank. Pressure at 2 is additive to the relief setting of the valve. The unique Bosch Rexroth Oil Control poppet design provides enhanced stability at all flows and pressures. A hardened seat is provided for increased durability in high-pressure, high-cycle applications.

Technical data

| Max. operating pressure port 1 (P) | bar (psi) | 420 (6000) |
|--|--------------------|--|
| Max. operating pressure port 2 (T) bar (psi) | | 140 (2000) |
| Max. flow I/mi | n. (gpm) | 30 (8) |
| Max. internal leakage (*) | ops/min. | 5 |
| Fluid temperature range | °C (°F) | -30 to 100 (-22 to 212) |
| Installation torque Nr | n (ft-lbs) | 45-50 (33-37) |
| Weight | kg (lbs) | 0.17 (0.38) |
| Special cavity | | 008, see data sheet RE 18325-75 |
| Seal kit (**) ma | code terial no. | RG0008010520100 R930001693 |
| 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 |
| (+) + 000/ 6 | | |

(*) at 80% of pressure setting

(**) Only external seals for 10 valves

Note: the pressure setting must be done after installation, because the spring cannot be compressed while the cartridge is out of the cavity. For the same reason the threaded adjuster must be fully released prior to unscrewing the cartridge from the cavity.

Dimensions

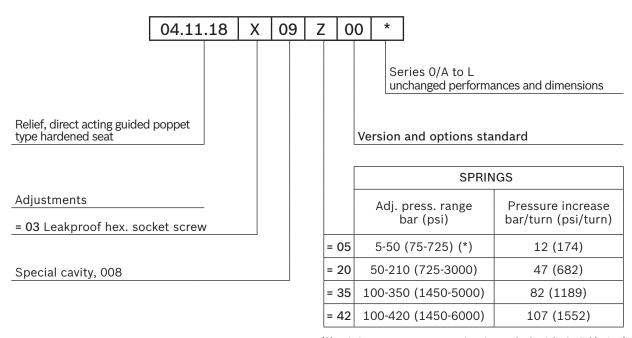
OPTION Tamper resistant cap ordering code 11.04.23.003 Mat. no. R930000754

Hex 5 (0.2) Hex 17 (0.67) Hex 22 (0.87) Ø 21 (0.83) Ø 17.9 (0.71) Ø 10 (0.39)

Leakproof hex. socket screw

mm (Inches)

Ordering code



(*) minimum pressure setting intended with Q=5 l/min (1.3 gpm) **Note:** Special settings available. Contact factory authorized representative for ordering code

| Туре | Material number |
|-----------------|-----------------|
| 04111803090500A | R930000129 |
| 04111803092000D | R930000132 |
| 04111803093500C | R901144794 |
| 041118030942000 | R930000134 |

| Туре | Material number |
|------|-----------------|
| | |
| | |
| | |
| | |

Bosch Rexroth Oil Control S.p.A. Via Leonardo da Vinci 5 P.O. Box no. 5 41015 Nonantola – Modena, Italy Tel. +39 059 887 611 Fax +39 059 547 848 cartridges@oilcontrol.com

www.boschrexroth.com

© This document, as well as the data, specifications and other information set forth in it, are the exclusive property of Bosch Rexroth Oil Control S.p.a.. It may not be reproduced or given to third parties without its consent.

The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.

Subject to change.