

RE 18318-08/09.09
Replaces: RE 00162-02/01.06

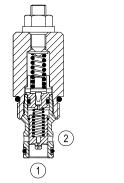
Relief, pilot operated spool type

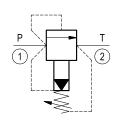
Common cavity, Size 10

VSPN-10A

04.12.08 - X - 85 - Z



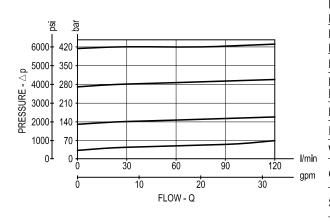




Description

Flow is blocked from 1 to 2 until pressure increases to meet the selected valve setting, lifting the conical, pilot-stage poppet from its seat. This action exhausts oil above the main-stage piston (spool type), allowing it to shift and provide relief flow through 2 to tank. Pressure at 2 is additive to the relief setting of the valve.

Performance



Technical data

Max. operating pressure bar (psi) port 1 (P)	420 (6000)
Max. pressure admitted bar (psi)	350 (5000) for version 03 210 (3000) for version 04
Flow range I/min. (gpm)	3-120 (1-32)
Max. internal leakage (*) cm³/min. (cu.in./min.)	200 (12)
Fluid temperature range °C (°F)	-30 to 100 (-22 to 212)
Installation torque Nm (ft-lbs)	41-47 (30-35)
Weight (**) kg (lbs)	0.21 (0.46)
Cavity	CA-10A-2N see data sheet RE 18325-70
Seal kit (***) code material no.	RG10A2010530100 R901111366
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 general technical data	See data sheet RE 18350-50
(*) Massured at 200 bar (2000 ps	:)

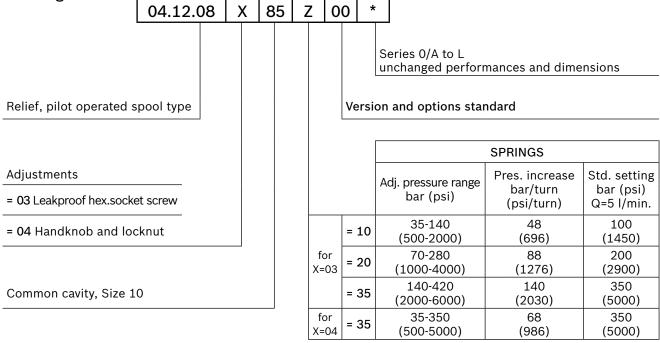
- (*) Measured at 200 bar (2900 psi)
- (**) Standard version X=03 type
- (***) Only external seals for 10 valves

Handknob and locknut

Dimensions

Ø38 (1.5) Leakproof hex. socket screw **OPTION** Hex 4 (0.16) Hex 13 12-15 Nm Tamper resistant cap ordering code 11.04.23.002 Hex (0.51) (9-11) ft-lb R930000752 Mat. no. 73.4 (2.89) 60 (2.36) Hex 24 (0.95) 48 (1.89) Hex 24 (0.95) 7/8-14 UNF-2A (1.26)Ø 15.87 (0.63) mm (Inches)

Ordering code



Note: Special settings available. Contact factory authorized representative for ordering code

Туре	Material number
041208038510000	R901097726
041208038520000	R901097722
041208038535000	R901104103
041208048535000	R901104104

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

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.