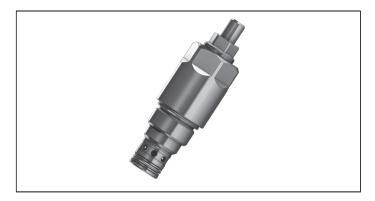


Relief, pilot operated poppet type

Common cavity, Size 10

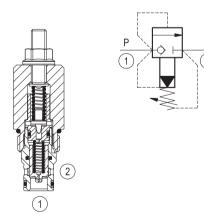
VSPC-10A 04.12.09 - X - 85 - Z

RE 18318-11Edition: 07.2022
Replaces: 03.2016



Description

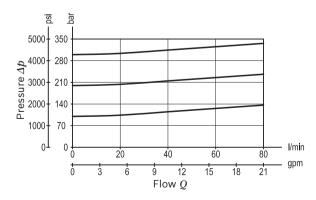
Flow is blocked from 1 to 2 until pressure increases to meet the selected valve setting, lifting the conical, pilot-stage poppet from its seat. This action exhausts oil above the main-stage poppet (low-leakage, seat type), allowing it to shift and provide relief flow through 2 to tank. Pressure at 2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



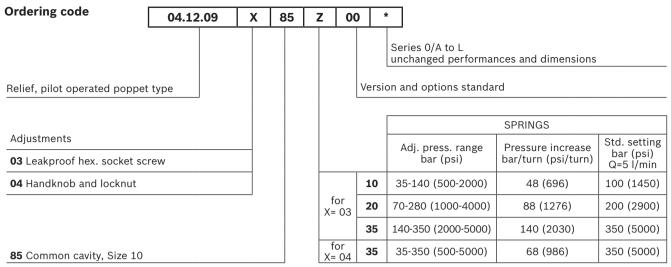
Technical data	
Max. operating pressure port 1 (P)	350 bar (5000 psi)
Max. pressure admitted port 2 (T)	210 bar (3000 psi)
Flow range	3 - 80 l/min (1 - 21 gpm)
Max. internal leakage ¹⁾	15 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	41 - 47 Nm (30 - 35 ft-lbs)
Weight ²⁾	0.21 kg (0.46 lbs)
Cavity	CA-10A-2N (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ³⁾	Code: RG10A2010530100
	material no: R901111366
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /s (cSt)
Recommended degree of fluid contamination	Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14
Installation position	No restrictions
Other Technical Data	See data sheet 18350-50

- 1) Max. to 80% of nominal setting
- 2) Standard version X=03 type
- 3) Only external seals for 10 valves

Characteristic curve







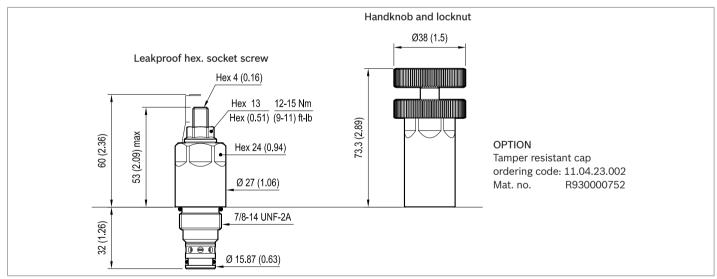
Note: Special settings available. Contact factory authorized representative for ordering code.

Preferred types

Туре	Material number
04120903851000A	R930051169
04120903852000A	R930051168
04120903853500A	R930051170
04120904853500A	R930051171

Туре	Material number

Dimensions



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

compact-hydraulics-cv@boschrexroth.com www.boschrexroth.com/compacthydraulics ® 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.