# Rexroth **Bosch Group**

1/2

RE 18320-77/01.10

Replaces: RE 00162-02/01.06

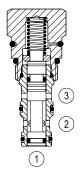
# Directional spool type, direct acting external pilot external vent

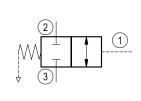
Common cavity, Size 10

VDSC-10A

04.77.21 - X - 85 - Z



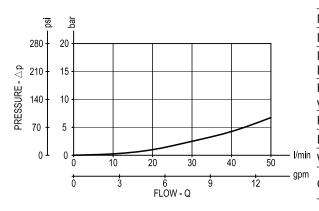




## Description

Flow is blocked bi-directionally at 2 and 3 until pressure at 1 rises to overcome the spring bias against the spool. When this bias pressure is surpassed, the spool shifts, allowing flow from 2 to 3, or 3 to 2. The spring chamber is sealed and vented to atmosphere, allowing consistent shifting with only spring bias pressure independent of conditions at 2 or 3.

#### Performance

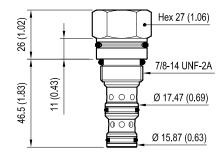


#### Technical data

Max. operating	pressure bar (psi)	350 (5000)
Max. flow	l/min. (gpm)	50 (13)
Max. internal leakage (*)	cm <sup>3</sup> /min. (cu.in./min.)	50 (3)
Pilot displacer volume	nent cm³ (in³)	0.28 (0.02)
Fluid temperati	ure range °C (°F)	-30 to 100 (-22 to 212)
Installation to	rque Nm (ft-lbs)	41-47 (30-35)
Weight	kg (lbs)	0.2 (0.44)
Cavity		CA-10A-3N see data sheet RE 18325-70
Seal kit (**)	code material no.	RG10A3010530100 R930000990
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt)
Filtration		Nominal value max. 10µm (NAS 8) ISO 4406 19/17/14
Installation		No restrictions
Other Technica	al Data	See data sheet RE 18350-50
/+\ NA I		• \

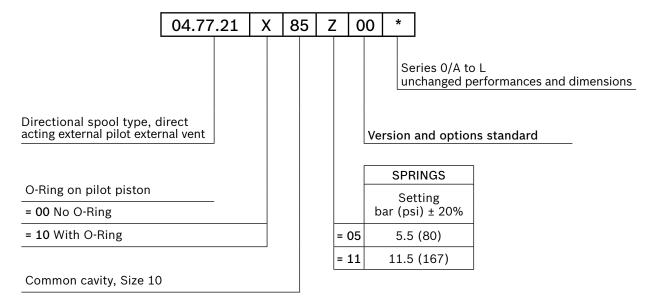
- (\*) Measured at 200 bar (2900 psi)
- (\*\*) Only external seals for 10 valves

#### **Dimensions**



mm (Inches)

### Ordering code



Туре	Material number
047721008505000	R901109490
047721008511000	R901109491
047721108505000	R901109950
047721108511000	R901109951

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.