

RE 18323-60/03.20 1/4 Replaces: RE 18323-60/01.16

# Proportional valves direct acting pressure reducing

Common cavity, Size 10

**VEP-5A-3R-06** 



General U		
Weight	kg (lbs)	0.3 (0.66)
Installation orientation		Optional
Ambient temperature range	°C (°F)	-30 to 60 (-22 to 140)
Salt spray test to		500h

### Hydraulic

Tryutaune			
Max. operating pressure port 2	bar (psi)	210 (3000)	
Max. pressure admitted port 1	bar (psi)	22 (319)	
Max. flow	l/min.(gpm)	10 (3)	
Max. internal leakage cm³/min.	(cu.in./min.)	12 (0.7)	
Fluid temperature range °C (°F)		-20 to 80 (-4 to 176)	
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 15 to 380 mm <sup>2</sup> /s (cSt)	
Installation torque	Nm (ft-lbs)	44-56 (33-41)	
Recommended degree of fluid contamination		Nominal value max. 10µm (NAS 8) ISO 4406 19/17/14	
Cavity		CA-10A-3N see RE 18325-70	
Lines bodies and standard assemblies		Please refer to section "Hydaulic integrated circuit" or consult factory	
Seal kit		R930000990	
Seal kit coil	code material no.	RG19A1PNBR7010 R934003964	
Other technical data		See data sheet RE 18350-50	



Version 01

OD.91.01.77 - Y - 00



#### Electrical

LIGOUIIGUI		
Type of voltage		DC voltage
Coil type		S5
Supply voltage		12 DC
Nominal voltage		± 10%
Power consumption	W	23
Duty cycle	%	100
Type of protection		See data sheet RE 18325-90
Noto: Coils must be orde	rod	separately

Note: Coils must be ordered separately.

## Dimensions

#### Proportional valves direct acting pressure reducing



Allowed back pressure at port 3 (T): 5 bar (73 psi) max

## Performance graphs





	I	P bar (psi)	Coils
I min:	0.45 A	2 (29)	12 DC
I max:	2.0 A	22 (319)	12 DC
PMW Frequency: 120-150 Hz			
Hysteresis: < 5%			

Note (1): It is recommended to use coil 12 DC. Note (2): It is recommended to bleed air carefully before operation. Note (3): Performance using coil without diode.

## Ordering code



Туре	Material number	Туре	Material number
OD910177030000	R934001495		
OD910177040000	R934003442		

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.