

Proportional valves 2-way double lock normally closed Common cavity, Size 08

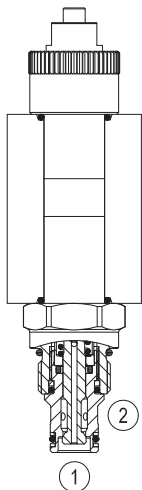
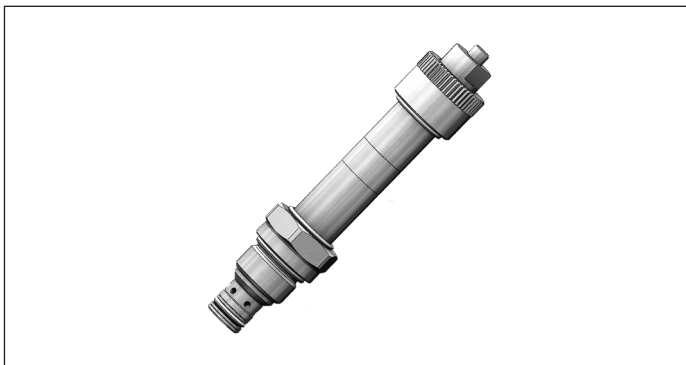
VEPN-08A-16

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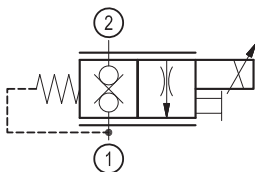
RE 18323-70

Edition: 02.2022

Replaces: 09.2016



▼ Version 31



Technical data

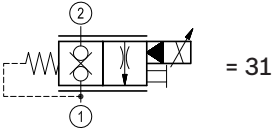
General		
Weight		0.20 kg (0.45 lbs)
Installation orientation		Optional
Ambient temperature range		-30 to 60 °C (-22 to 140 °F)
Hydraulic		
Max. operating pressure		250 bar (3600 psi)
Flow range		5 - 20 l/min. (1.3 - 5 gpm)
Fatigue cycle life		1 million cycles at 250 bar
Max. internal leakage		1 cm ³ /min. (0.1 cu.in/min.)
Fluid temperature range		-20 to 80 °C (-4 to 176 °F)
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 15 to 380 mm ² /s (cSt)		
Installation torque		34 -41 Nm (25 - 30 ft-lbs)
Recommended degree of fluid contamination		Nominal value max. 10 µm (NAS 8) ISO 4406 19/17/14
Cavity		CA-08A-2N see 18325-70
Lines bodies and standard assemblies		Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit	code material no.	RG08A2010530100 R901101544
Seal kit coil	code material no.	RG16A1PMVQ0010 R934003962
Other technical data		See data sheet 18350-50
Electrical		
Type of voltage		DC voltage
Coil type		R7
Supply voltage		12 - 24 DC
Nominal voltage		± 10%
Power consumption		28 W
Duty cycle coil		100
Type of protection		See data sheet 18325-90
Note: Coils must be ordered separately		

Ordering code

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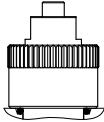
Proportional valves 2-way
double lock normally closed

monodirectional type

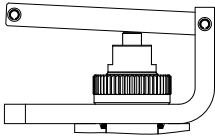


Common cavity: CA-08A-2N

91 = Standard type



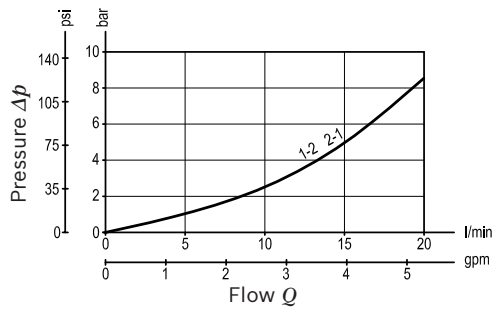
90 = Lever option for flexible cable



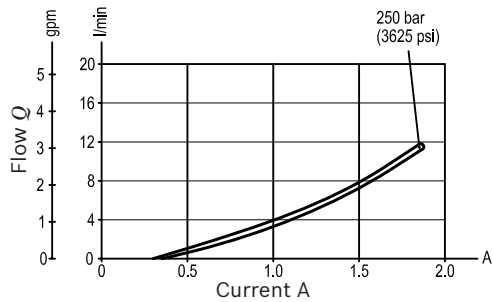
Preferred types

Type	Material number
OD953118549000	R930053666
OD953118549100	R930053667

Type	Material number

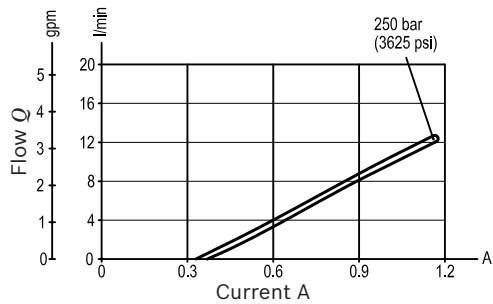
Characteristic curves**Wide open pressure drop****Flow vs. Current at various differential pressures**

R7 12V
I max. 1.9A



P bar (psi)	I (A) min.
50 (725)	0.9 ± 0.1
150 (2175)	0.7 ± 0.1
250 (3625)	0.5 ± 0.1

R7 24V
I max. 0.950A

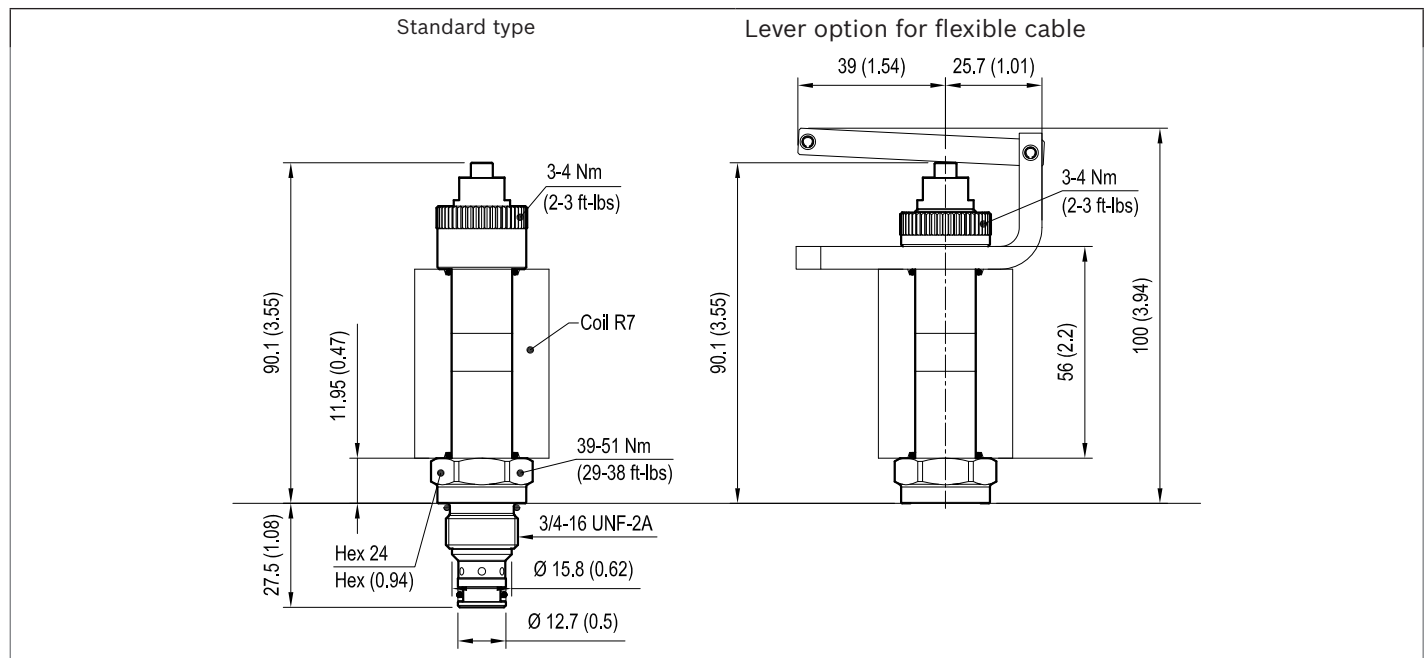


P bar (psi)	I (A) min.
50 (725)	0.55 ± 0.05
150 (2175)	0.45 ± 0.05
250 (3625)	0.35 ± 0.05

PMW Frequency: 120-150 Hz

Hysteresis: < 10%

Note: Performance using coil without diode.

Dimensions▼ **Proportional valves 2-way double lock****Bosch Rexroth Oil Control S.p.A.**

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