

Solenoid operated valves pilot operated poppet type

2-way normally open

Common cavity, Size 08

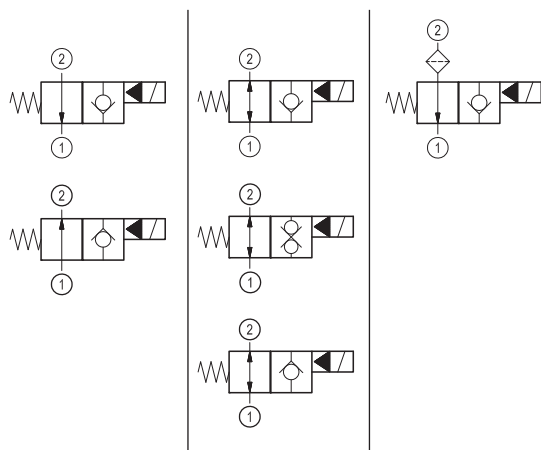
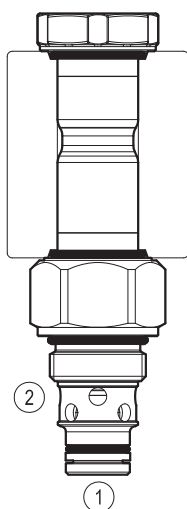
VEI-16-08A-NA

OD.15 - X - 18 - Y - Z - 00

RE 18323-26

Edition: 07.2017

Replaces: 05.2017

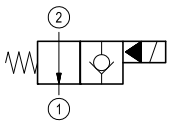
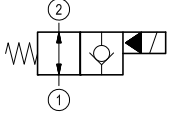
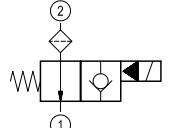
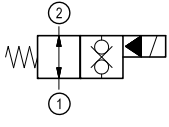
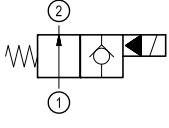
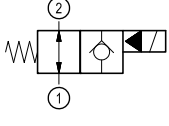
**PATENT PENDING****Technical data**

New VEI-16 family incorporates a new solenoid concept providing excellent performance and enables cartridges to work in severe environment. Cartridges also incorporate advanced design of hydraulic parts providing excellent hydraulic performance.

Technical data

General	
Weight	0.15 kg (0.33 lbs)
Installation orientation	Unrestricted
Ambient temperature range	-30 to 90 °C (-22 to 194 °F)
Hydraulic	
Max. operating pressure	350 bar (5000 psi)
Flow range	0.5 - 40 l/min (0.1 - 11 gpm)
Fatigue cycle life	2 million cycles at 350 bar 150000 cycles at 420 bar
Max. internal leakage:	5 drops/min. for X= 02,06,08 20 drops/min. for X= 32,10,04
Switching time	Closing ≤ 100 ms Opening ≤ 30 ms
Fluid temperature range	-20 to 80 °C (-4 to 176 °F)
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 20 to 380 mm ² /s (cSt)	
Installation torque	39 - 51 Nm (29 - 38 ft-lbs)
Recommended degree of fluid contamination	Nominal value max. 10 µm (NAS 8) ISO 4406 19/17/14
MTTFd	150 years see RE 18350-51
Cavity	CA-08A-2N see 18325-70
Seal kit for X=02,06,08	code material no. RG08A2010520100 R901101437
Seal kit for X=32,10,04	code material no. RG08A2010530100 R901101544
Seal kit coil	code material no. RG01Z0010000100 R930058940
Other technical data	See data sheet 18350-50
Electrical	
Type of voltage	DC voltage
Coil type	D36
Supply voltage	See data sheet 18325-90
Voltage tolerance against ambient temperature	See characteristic curve
Power consumption	20 W
Type of protection	See data sheet 18325-90
Note: Coils must be ordered separately	

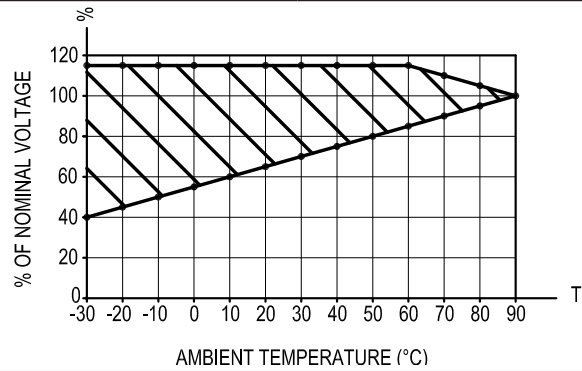
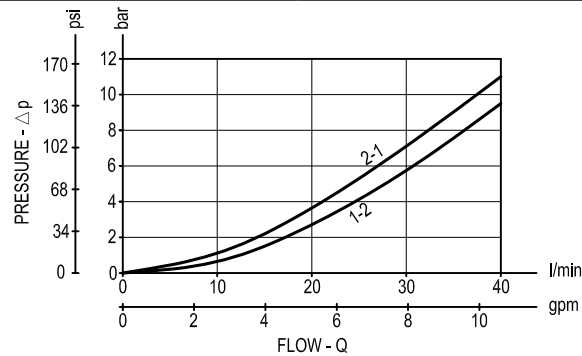
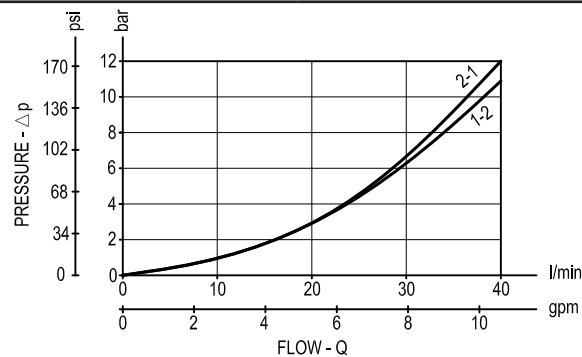
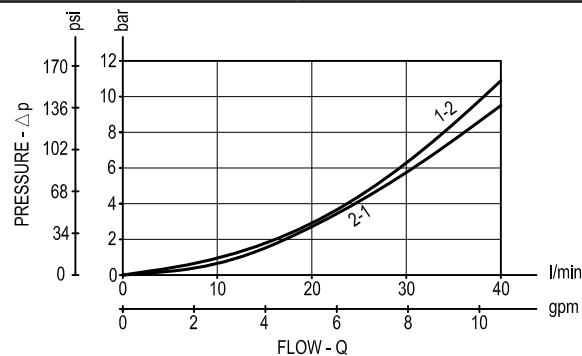
Ordering code

OD.15	X	18	Y	Z	0000	*
Solenoid operated valves pilot operated poppet type 2-way normally open						Series O/A to L unchanged performances and dimensions
monodirectional type						0 = With buna seal V = With Viton seal P = With buna seal and protective cap for override version B and C T = With Viton seal and protective cap for override version B and C
	02					
bidirectional type						
	06					
monodirectional type with filter						
	08					
bidirectional type						
	32					
monodirectional type						
	10					
bidirectional type						
	04					
						Common cavity: CA-08A-2N

Preferred types

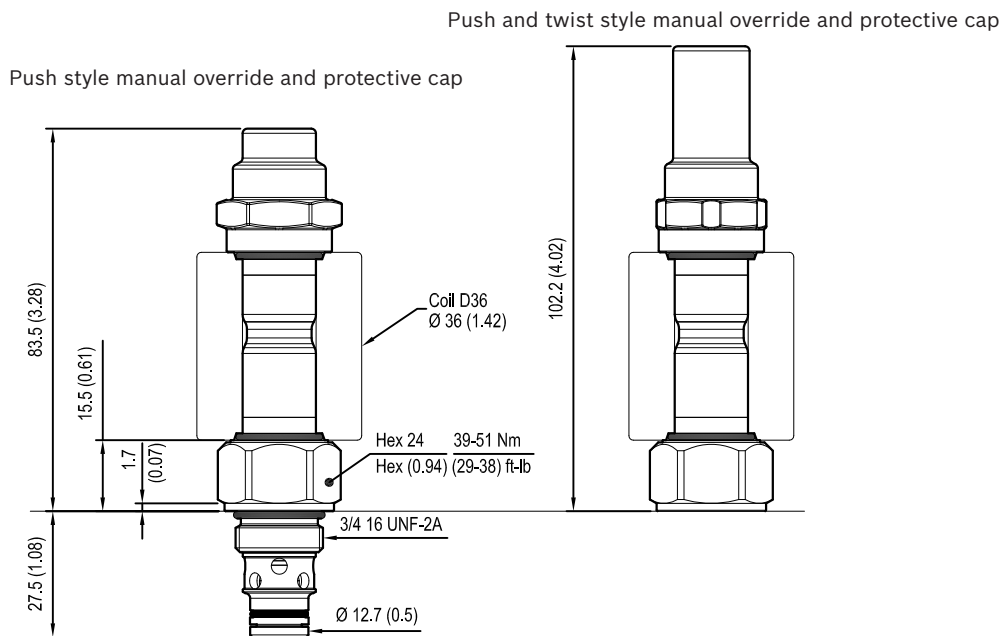
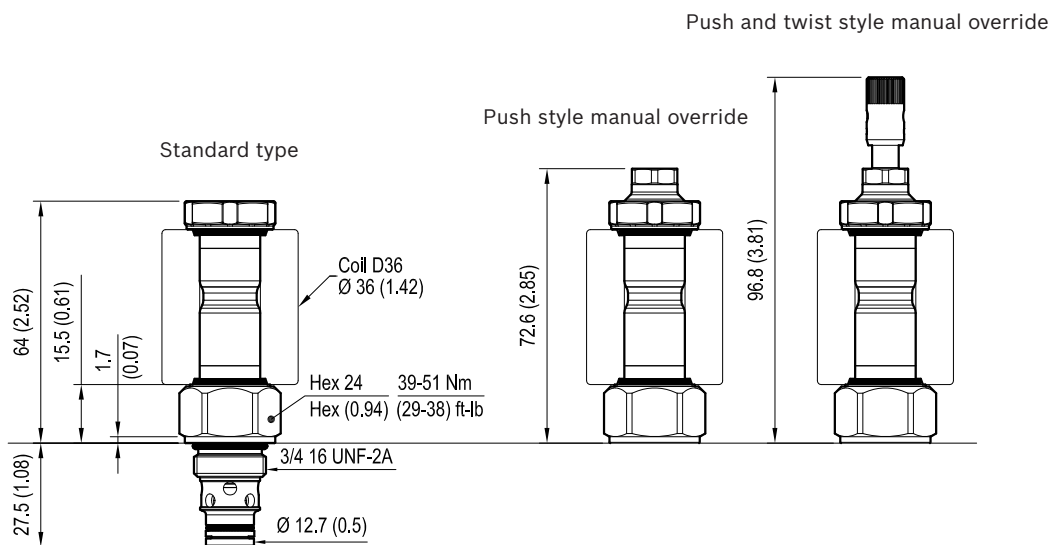
Type	Material number
OD150218A000000	R930059442
OD150218B000000	R930060895
OD150218BP00000	R930060113
OD150218C000000	R930060584
OD150218CP00000	R930060090
OD150618A000000	R930058435
OD150618B000000	R930058438
OD150618C000000	R930060128
OD150818A000000	R930058337

Type	Material number
OD150818B000000	R930058340
OD150818C000000	R930060583
OD153218A000000	R930064101
OD153218B000000	R930063422
OD153218C000000	R930065002
OD150418A000000	R930065329
OD150418B000000	R930066184
OD150418C000000	R930066185

Characteristic curves**All Versions - Admissible supply voltage Vs. Ambient temperature at 100% duty cycle****Versions 02, 06, 08****Version 32****Version 04, 10**

Dimensions

**Solenoid operated valves, poppet 2-way
normally open**

**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.