

Solenoid operated valves pilot operated poppet type
 2-way normally closed - Industrial application
 Common cavity, Size 08

VEI-16-08A-NC_I

OD.15 - X - 18 - Y - Z - 000I

RE 18323-51

Edition: 01.2020

Replaces: 09.2019



Technical data

New VEI-16 family incorporates a new solenoid concept providing excellent performance and enables cartridges to work in severe environment. Cartridges also incorporates 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	*10 million cycles at 280 bar 2 million cycles at 350 bar
Max. internal leakage:	5 drops/min. for X= 01,05
Switching time	Opening ≤ 50 ms Closing ≤ 100 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=01,05	code RG08A2010520100 material no. R901101437
Seal kit coil and standard cap	code RG02Z0010000100 material no. R930067869
Seal kit coil and standard cap only for Y=D	code RG03Z0010000100 material no. R930067870
Other technical data	See data sheet 18350-50

Electrical

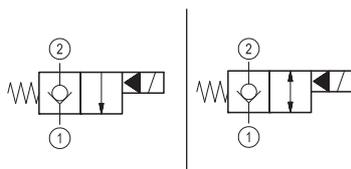
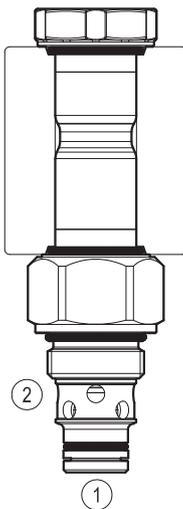
Type of voltage	DC voltage
Coil type	D36
Supply voltage	See data sheet 18325-90
Power consumption	20 W
Type of protection	See data sheet 18325-90

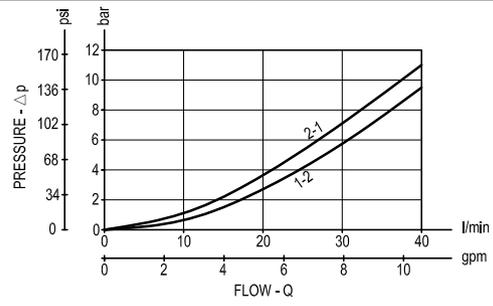
Note: Coils must be ordered separately

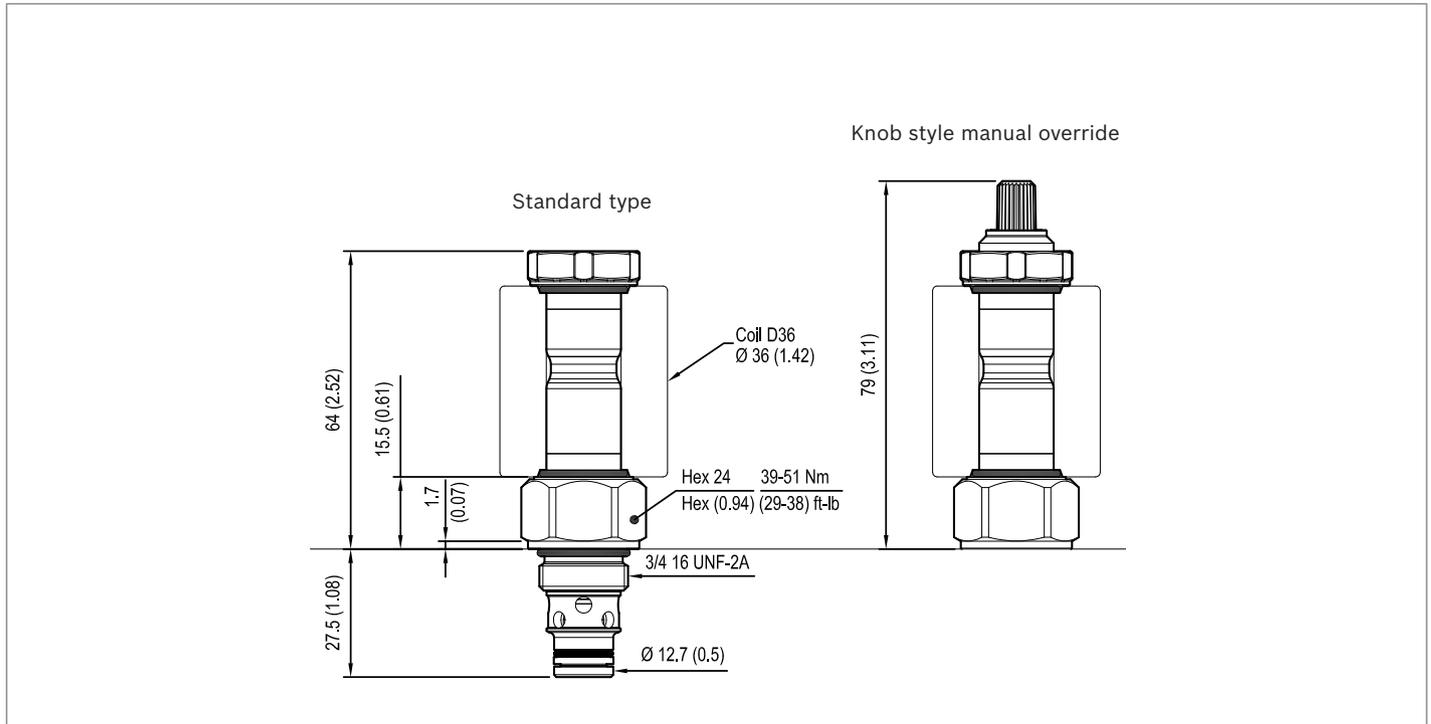
Valve function *:

- 1) after 10 mio cycles valve function guaranteed at nominal voltage.
- 2) max. internal leakage 70 ml/min. (0.0185 gpm/min).

PATENT PENDING



Characteristic curves**Versions 01, 05**

Dimensions**Solenoid operated valves, poppet 2-way
normally closed - Industrial application****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.