

Solenoid operated valves pilot operated poppet type
2-way normally closed
Common cavity, Size 16

VEI-16-16A-NC

OD.15 - X - 75 - Y - Z

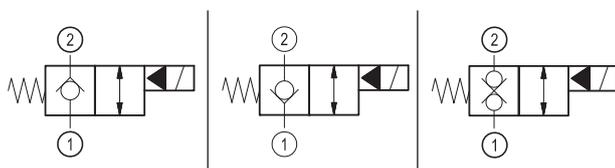
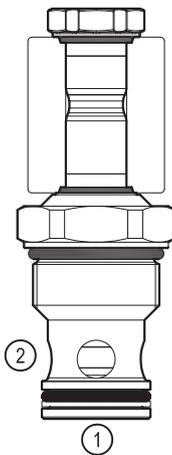
RE 18323-41

Edition: 04.2023

Replaces: 08.2022



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 incorporates advanced design of hydraulic parts providing excellent hydraulic performance.

Technical data

General	
Weight	0.25 kg (0.55 lbs)
Installation orientation	Unrestricted
Storage ambient temperature range	-40 to 100 °C (-40 to 212 °F)
Operating ambient temperature range	-30 to 90 °C (-22 to 194 °F)
Hydraulic	
Max. operating pressure	350 bar (5000 psi)
Flow range	5 - 150 l/min (1 - 40 gpm)
Fatigue cycle life	1 million cycles at 350 bar
Max. internal leakage:	20 drops/min.
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	130 - 150 Nm (96 - 111 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
Common cavity	CA-16A-2N see 18325-70
Seal kit for X=05	code RG75E201052010 material no. R934004079
Seal kit for X=03,31	code RG75E201053010 material no. R934004080
Seal kit coil and standard cap	code RG02Z0010000100 material no. R930067869
Seal kit coil and protective 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
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	

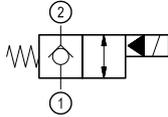
Ordering code

OD.15	X	75	Y	Z	0000	*
--------------	----------	-----------	----------	----------	-------------	----------

Solenoid operated valves
pilot operated poppet type
2-way normally closed

Series O/A to L
unchanged performances and dimensions

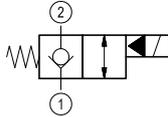
bidirectional type



03

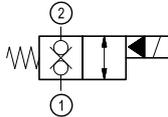
0 = With buna seal
8 = With buna seal and extra spring

bidirectional type



05

bidirectional type



31

A = Standard
D = Knob style manual override

Common cavity: CA-16A-2N

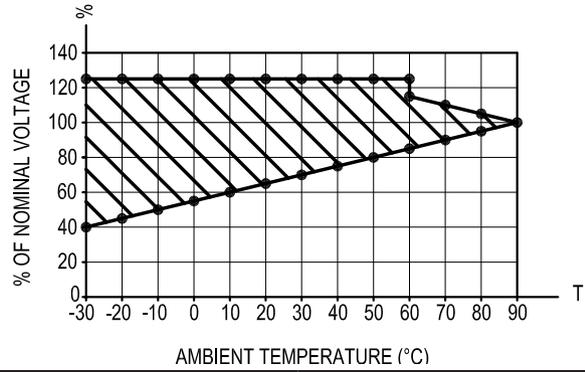
Preferred types

Type	Material number
OD150375A000000	R930070263
OD150575A000000	R930069969
OD150575D000000	R930070067
OD153175A000000	R930069968
OD153175D000000	R930070358

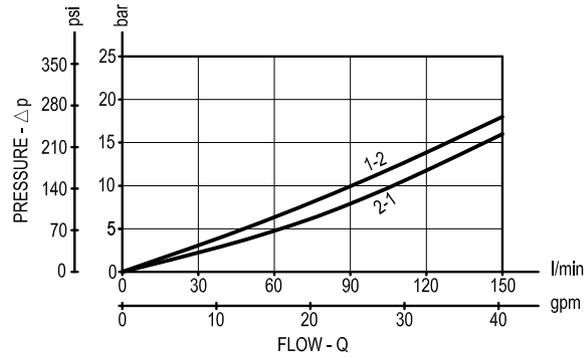
Type	Material number

Characteristic curves

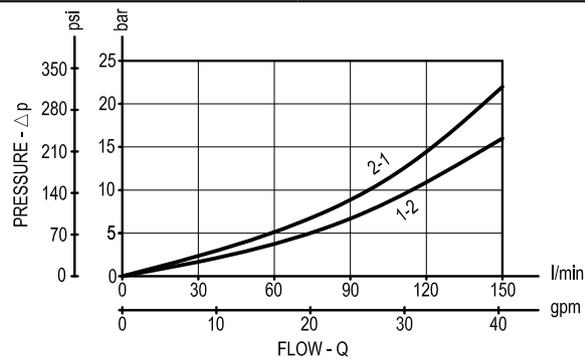
All Versions - Admissible supply voltage Vs. Ambient temperature at 100% duty cycle



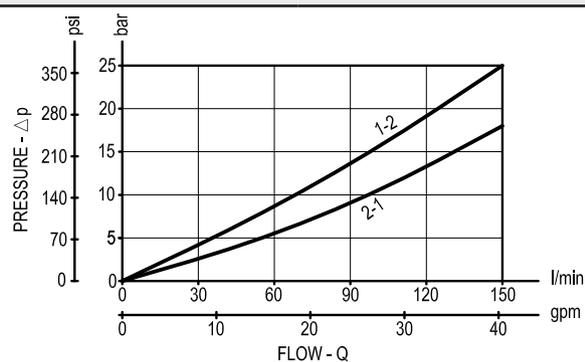
Versions 03

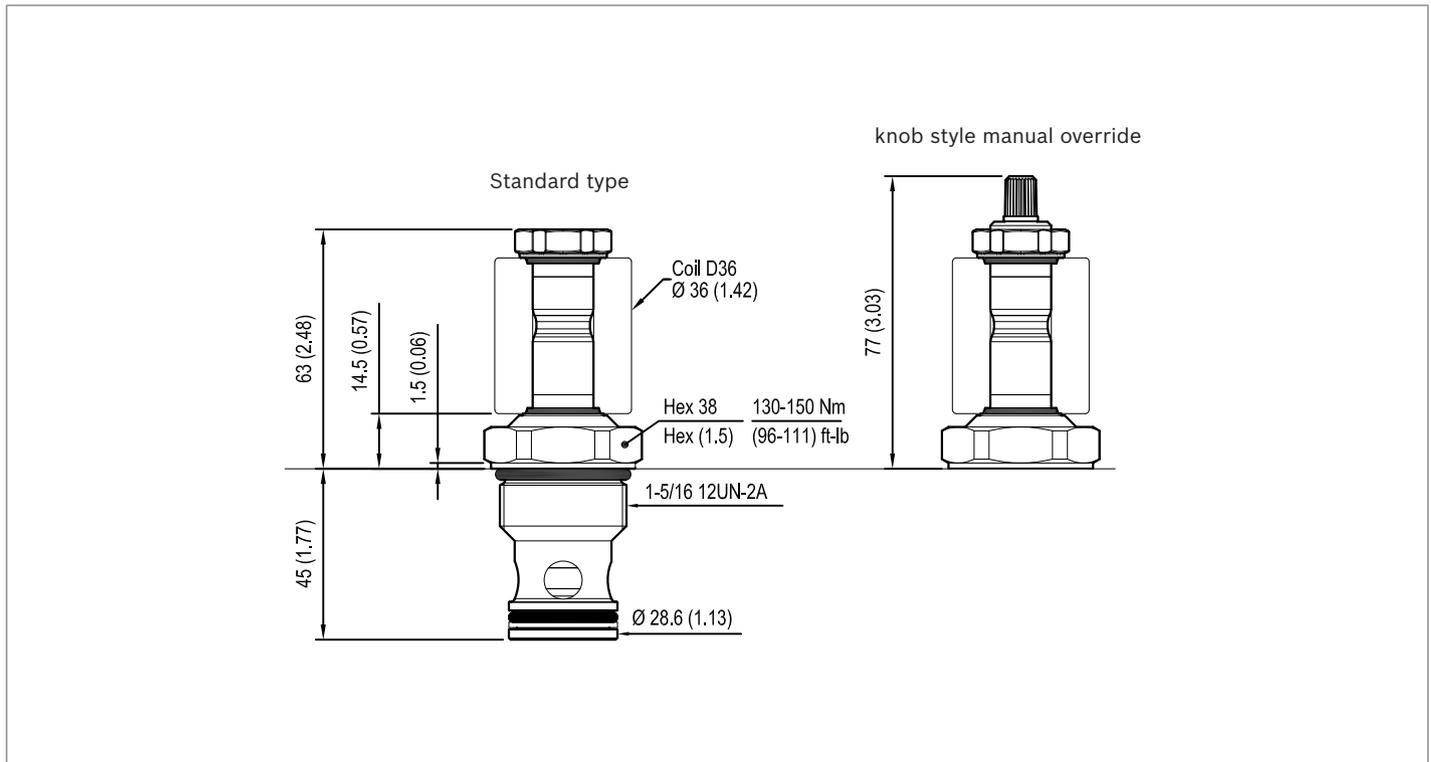


Versions 05



Versions 31



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