

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

VEI-16-16A-NA

OD.15 - X - 75 - Y - Z-00

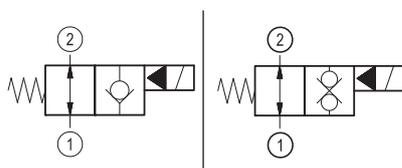
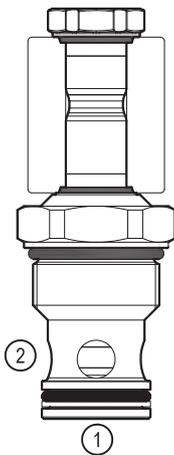
RE 18323-43

Edition: 04.2023

Replace: 06.2019



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=06	code RG75E201052010 material no. R934004079
Seal kit for X=32	code RG75E201053010 material no. R934004080
Seal kit coil and standard cap	code RG01Z0010000100 material no. R930058940
Seal kit coil and protective cap only for Y=B	code RG03Z0010000100 material no. R930067870
Seal kit coil and protective cap only for Y=C	code RG04Z0010000100 material no. R930069171
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

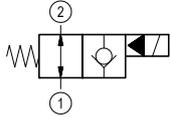
Ordering code

OD.15	X	75	Y	Z	0000	*
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Solenoid operated valves
pilot operated poppet type
2-way normally open

Series O/A to L
unchanged performances and dimensions

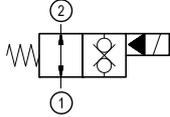
bidirectional type



06

0 = With buna seal

bidirectional type



32

A = Standard
B = Push style manual override
C = Push and twist style manual override

Common cavity: CA-16A-2N

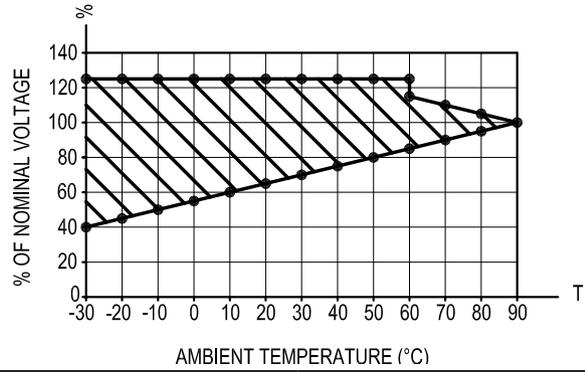
Preferred types

Type	Material number
OD150675A000000	R930069970
OD153275A000000	R930070068
OD153275C000000	R930070835

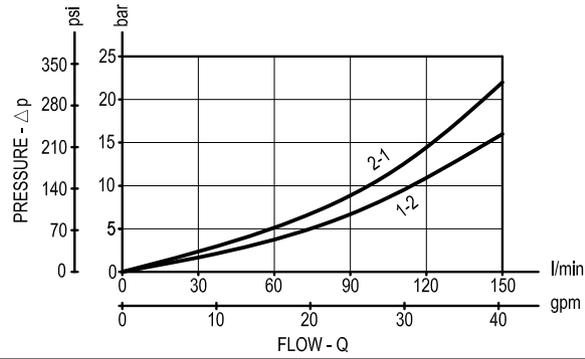
Type	Material number

Characteristic curves

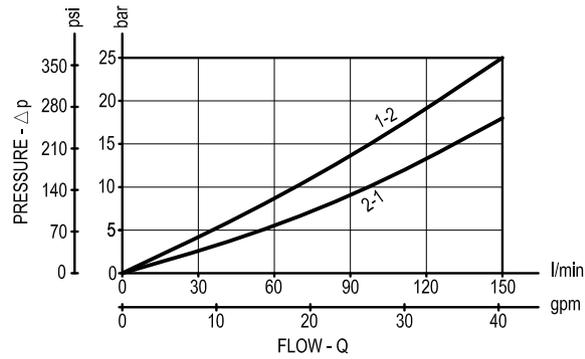
All Versions - Admissible supply voltage Vs. Ambient temperature at 100% duty cycle

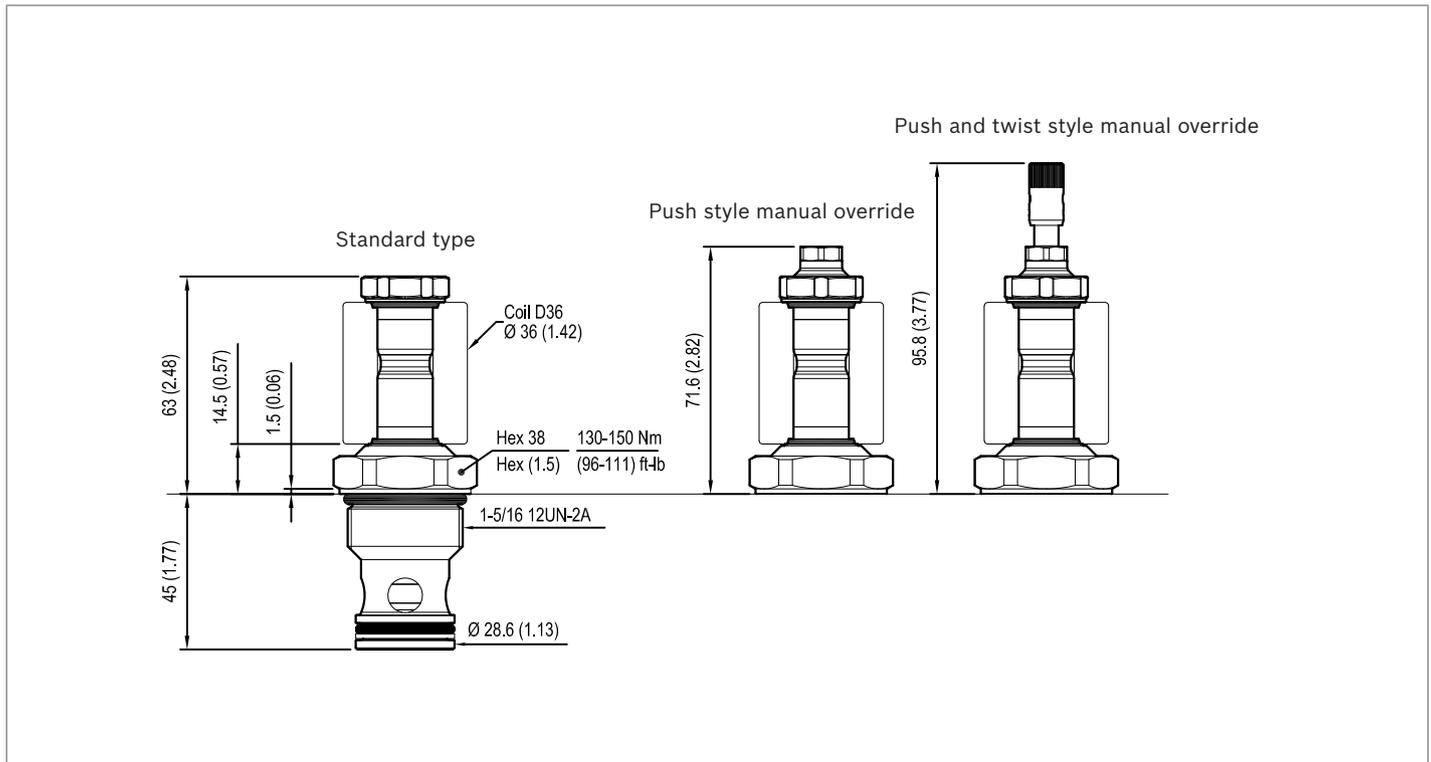


Versions 06



Versions 32



Dimensions**Solenoid operated valves, poppet 2-way
normally open****Bosch Rexroth Oil Control S.p.A.**

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