

Solenoid operated valves pilot operated poppet type

2-way normally open

Common cavity, Size 10

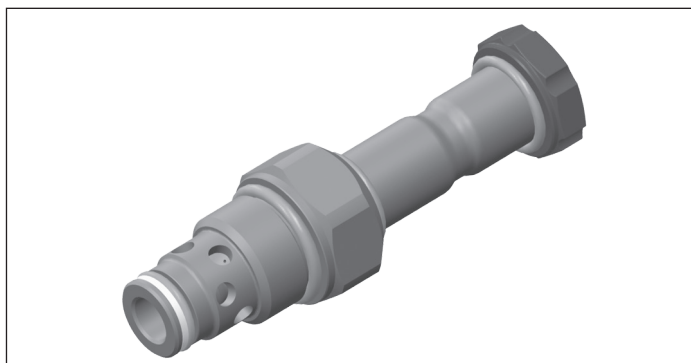
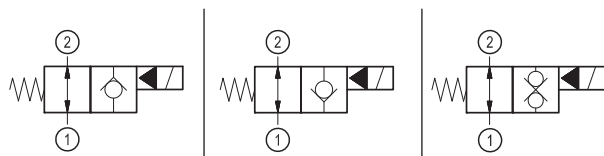
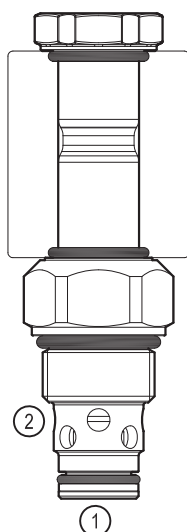
VEI-16-10A-NA

OD.15 - X - 36 - Y - Z - 00

RE 18323-33

Edition: 04.2018

Replaces: 12.2017

**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

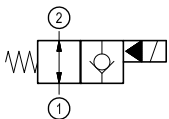
General		
Weight		0.16 kg (0.35 lbs)
Installation orientation		Unrestricted
Ambient temperature range		-30 to 90 °C (-22 to 194 °F)
Hydraulic		
Max. operating pressure		350 bar (5000 psi)
Flow range		2 - 70 l/min (0.53 - 18 gpm)
Fatigue cycle life		2 million cycles at 350 bar
Max. internal leakage:		20 drops/min.
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		44 - 56 Nm (33 - 41 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-10A-2N see 18325-70
Seal kit for X=06	code	RG10A2010520100
	material no.	R901111363
Seal kit for X=04,32	code	RG10A2010530100
	material no.	R901111366
Seal kit coil and standard cap	code	RG02Z0010000100
	material no.	R930067869
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	36	Y	Z	0000	*
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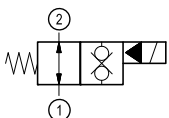
Solenoid operated valves
pilot operated poppet type
2-way normally open

bidirectional type



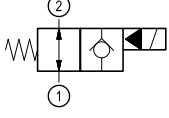
06

bidirectional type



32

bidirectional type



04

Series O/A to L
unchanged performances and dimensions

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**

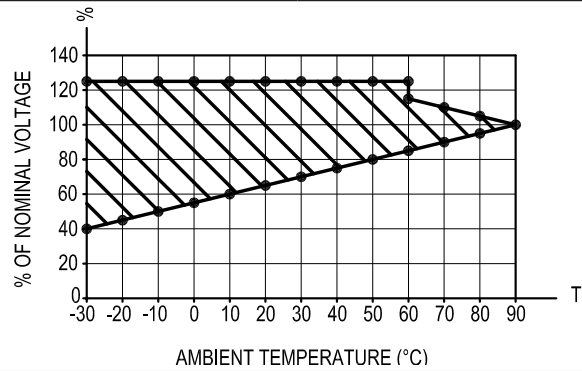
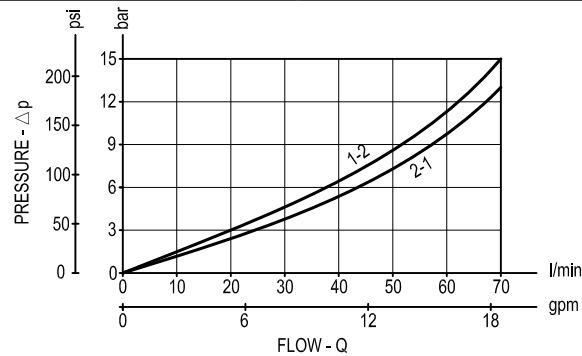
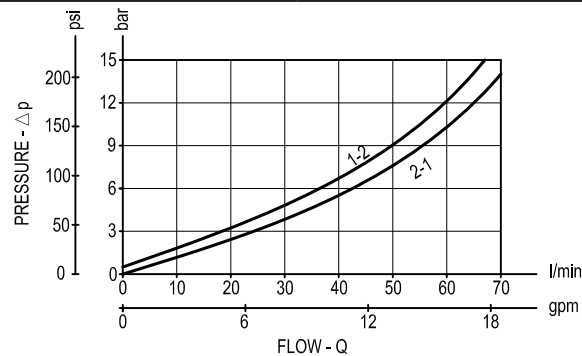
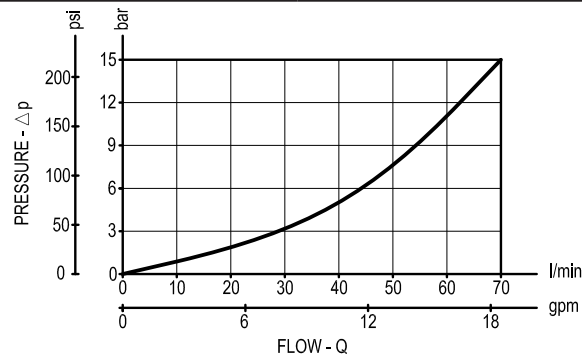
A = Standard
B = Push style manual override
C = Push and twist style manual override

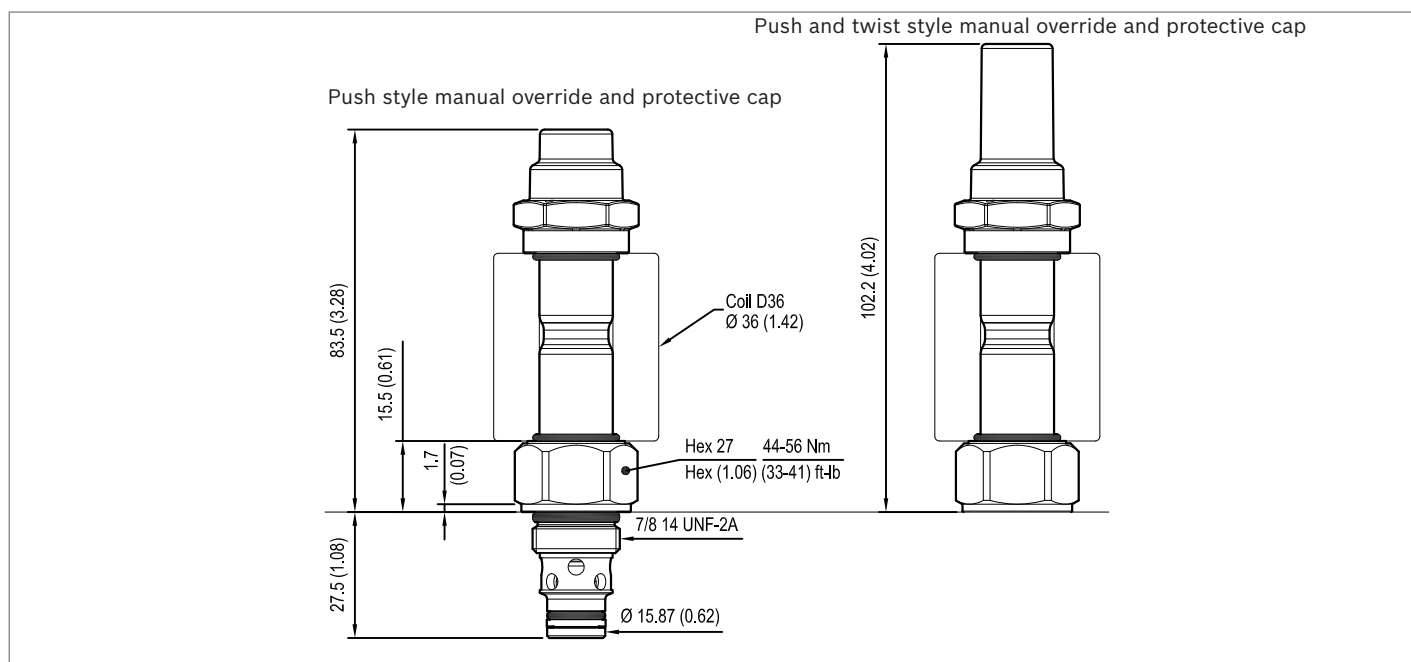
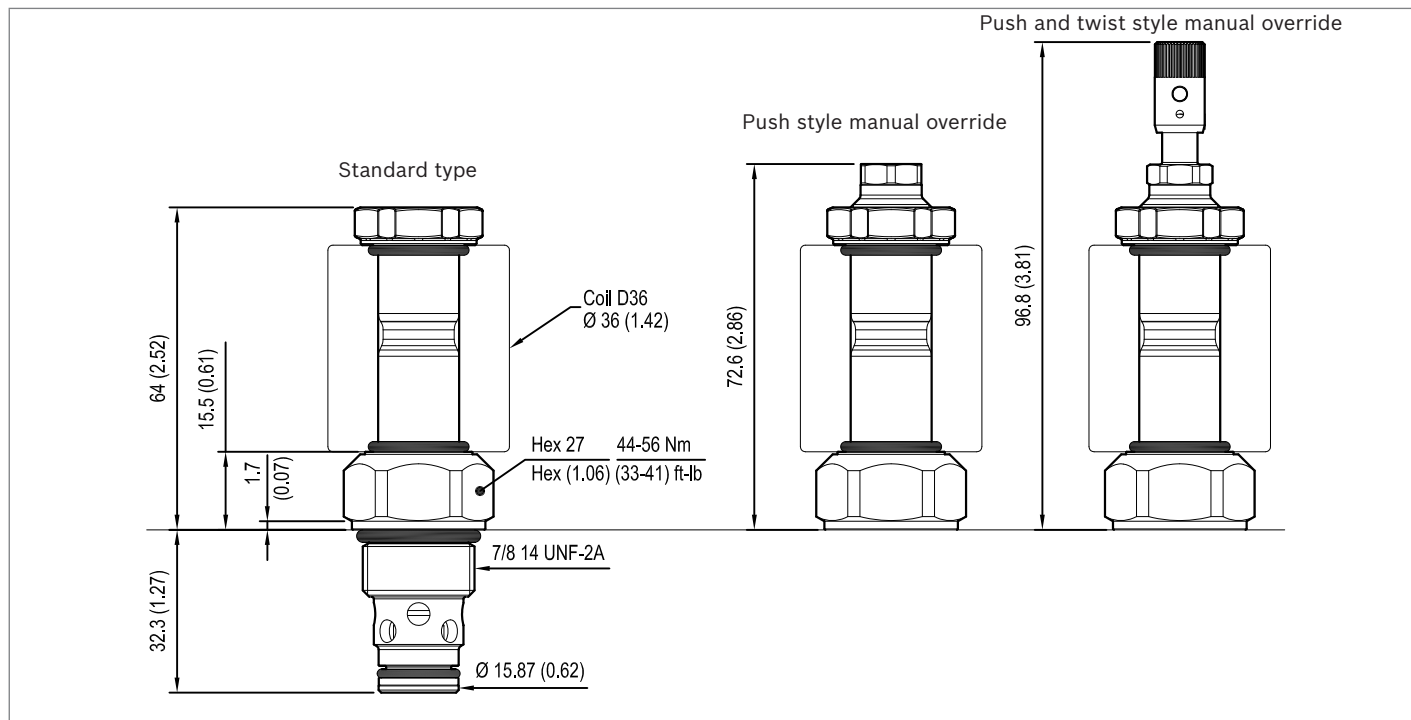
Common cavity: CA-10A-2N

Preferred types

Type	Material number
OD150636A000000	R930061730
OD150636B000000	R930062932
OD150636C000000	R930062933
OD150636BP00000	R930062936
OD150636CP00000	R930062937
OD150436A000000	R930065692
OD150436C000000	R930067899
OD153236A000000	R930067586

Type	Material number
OD153236B000000	R930067589
OD153236C000000	R930067587

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

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

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