

Solenoid operated valves pilot operated poppet type

2-way normally closed

Common cavity, Size 10

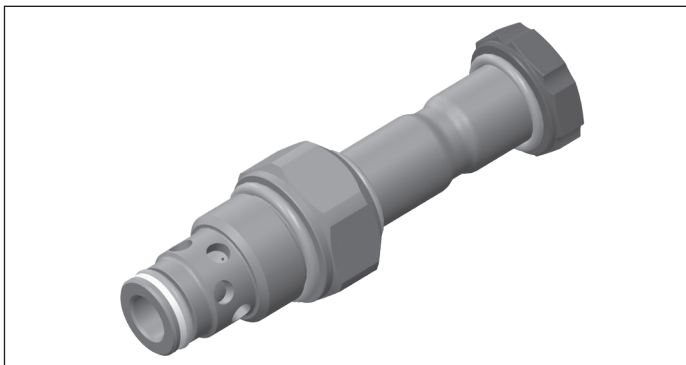
VEI-16-10A-NC

OD.15 - X - 36 - Y - Z

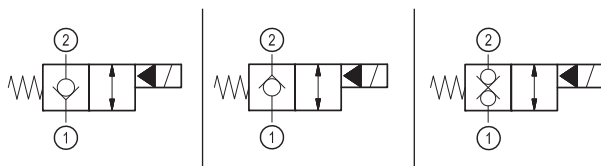
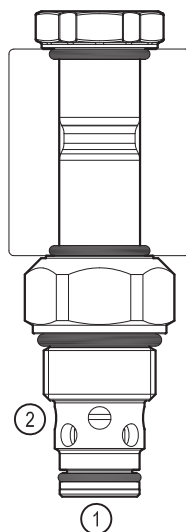
RE 18323-32

Edition: 04.2021

Replaces: 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		2 - 70 l/min (0.53 - 18 gpm)
Fatigue cycle life		2 million cycles at 350 bar
Max. internal leakage		5 drops/min. for X=05 20 drops/min. for X=03,31
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 mm²/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=05	code	RG10A2010520100
Seal kit for X=03, 31	material no.	R901111363
	code	RG10A2010530100
Seal kit coil and standard cap	material no.	R901111366
	code	RG02Z0010000100
Seal kit coil and protective cap only for Y=D	material no.	R930067869
	code	RG03Z0010000100
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 closed

Series O/A to L
unchanged performances and dimensions

bidirectional type

05

bidirectional type

31

bidirectional type

03

0 = With buna seal
8 = With buna seal and extra spring only for **05, 31**
V = With Viton seal
P = With buna seal and protective cap for override version **D**
T = With Viton seal and protective cap for override version **D**

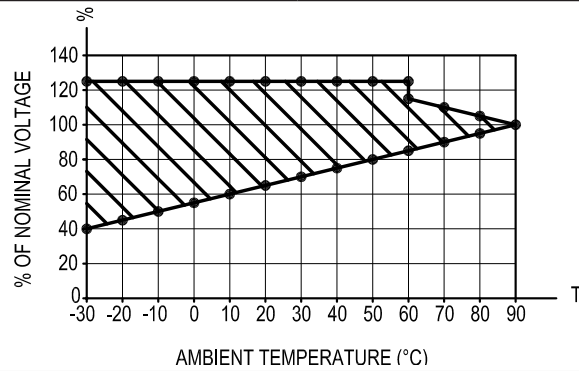
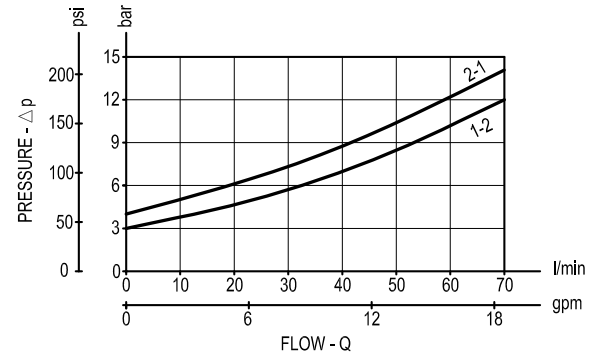
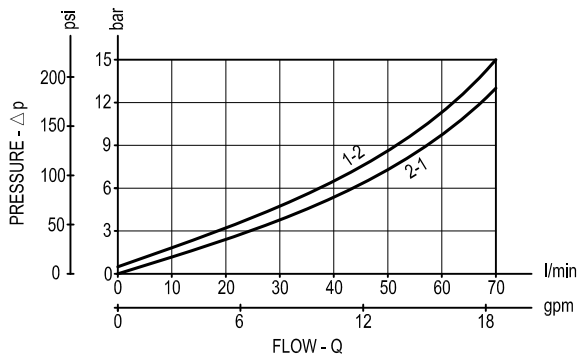
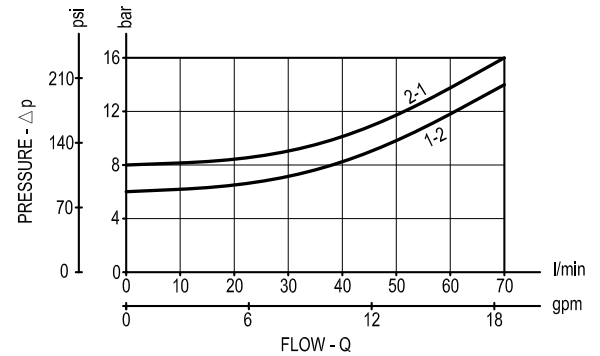
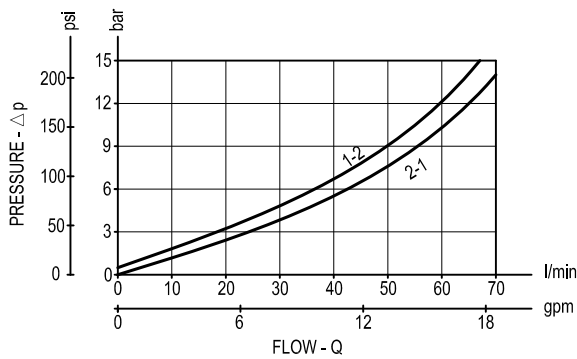
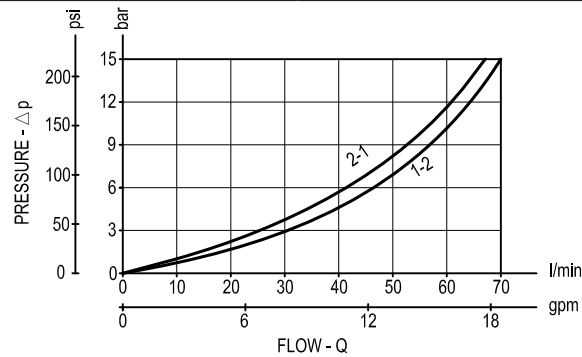
A = Standard
D = Knob style manual override
E = Pull style manual override
F = Hand operated pull style manual override

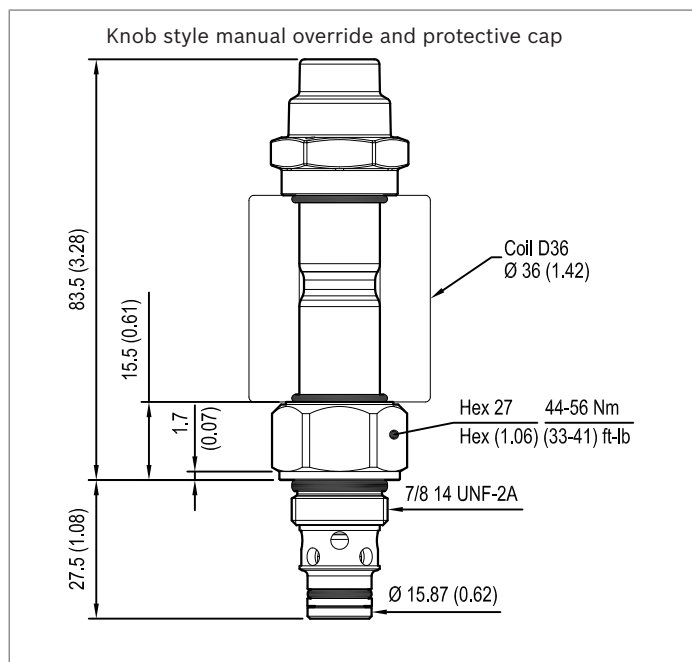
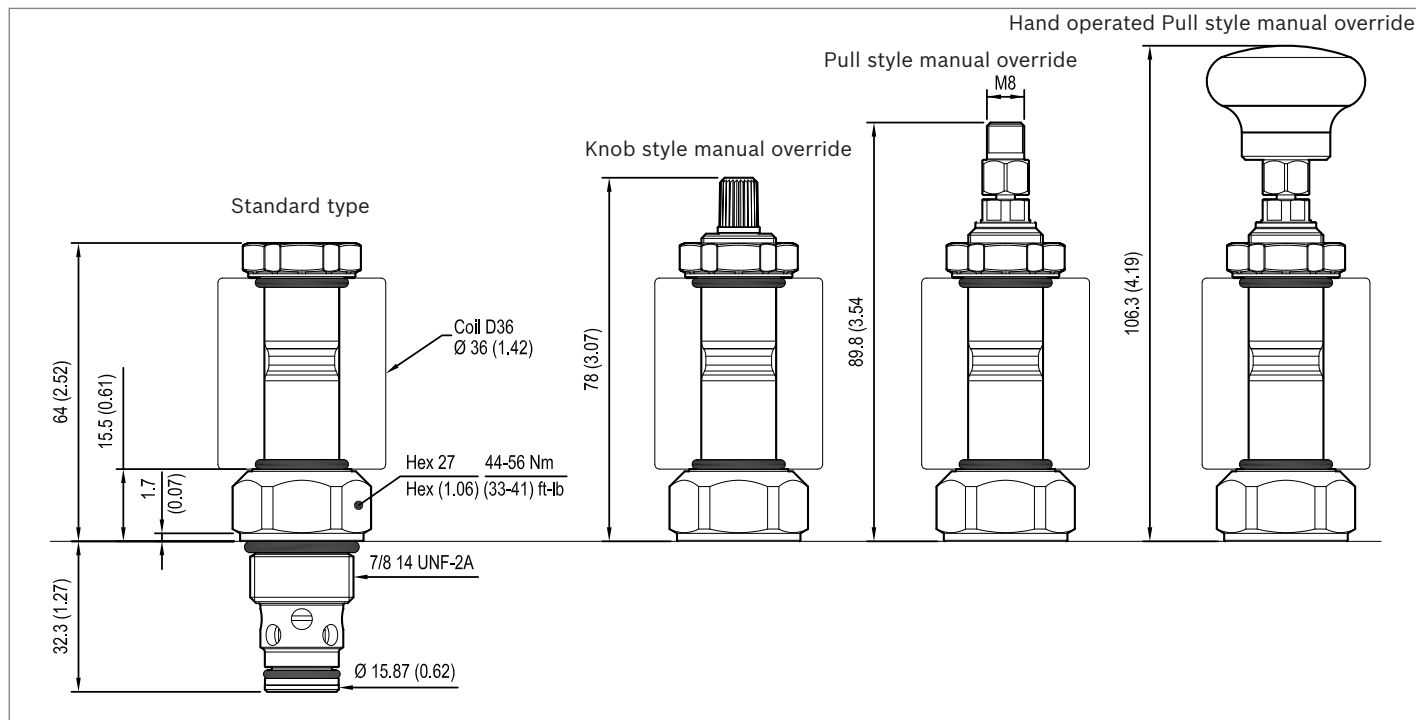
Common cavity: CA-10A-2N

Preferred types

Type	Material number
OD150536A000000	R930063002
OD150536D000000	R930062969
OD150536E000000	R930062947
OD150536F000000	R930062967
OD150536DP00000	R930062946
OD153136A000000	R930065511
OD153136D000000	R930066658
OD150336A000000	R930065691

Type	Material number
OD150536A800000	R930065844
OD153136A800000	R930067585
OD153136D800000	R930068786
OD150336D000000	R930071617

Characteristic curves**All Versions - Admissible supply voltage Vs. Ambient temperature at 100% duty cycle****Version 05****Version 05 with extra spring****Version 31****Version 31 with extra spring****Version 03**

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

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