

Solenoid operated valves pilot operated poppet type 2-way normally closed Special cavity, 021-E

VEI-16-021-NC

OD.15 - X - 21 - Y - Z

RE 18323-37Edition: 02.2019
Replaces: 09.2018

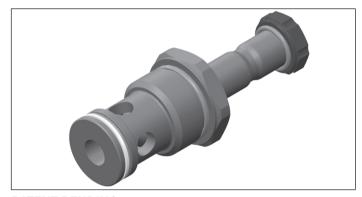
Technical data

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.

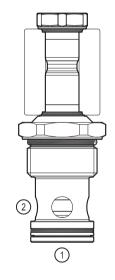
Technical data

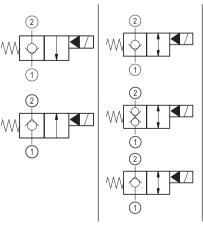
General

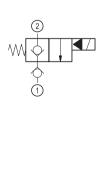
General		
Weight		0.35 kg (0.77 lbs)
Installation orientation		Unrestricted
Ambient temperature range		-30 to 90 °C (-22 to 194 °F)
Hydraulic		
Max. operating pressure		350 bar (5000 psi)
Flow range		5 - 150 l/min (1 - 40 gpm)
Fatigue cycle life		1 million cycles at 350 bar
Max. internal leakage:		20 drops/min. for X= 01,05
Switching time		Closing ≤ 100 ms
		Opening ≤ 50 ms
Fluid temperature range		-20 to 80 °C (-4 to 176 °F)
Fluids: Mineral-based or viscosities of 20 to 380 n	-	th lubricating properties at
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
Special cavity		021-E see 18325-75
Seal kit for X=01,05	code	RG21E201052010
Seal kit for X=03,09,11,31	material no.	R934003566 RG21E201053010
Sedi kit 101 A=05,09,11,51		R934003567
Seal kit coil and standard	code	RG02Z0010000100
cap	material no.	
Seal kit coil and protective		RG03Z0010000100
cap only for Y=D	material no.	R930067870
Other technical data		See data sheet 18350-50
Electrical Type of voltage		DC valtage
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 orde	red senaratel	V

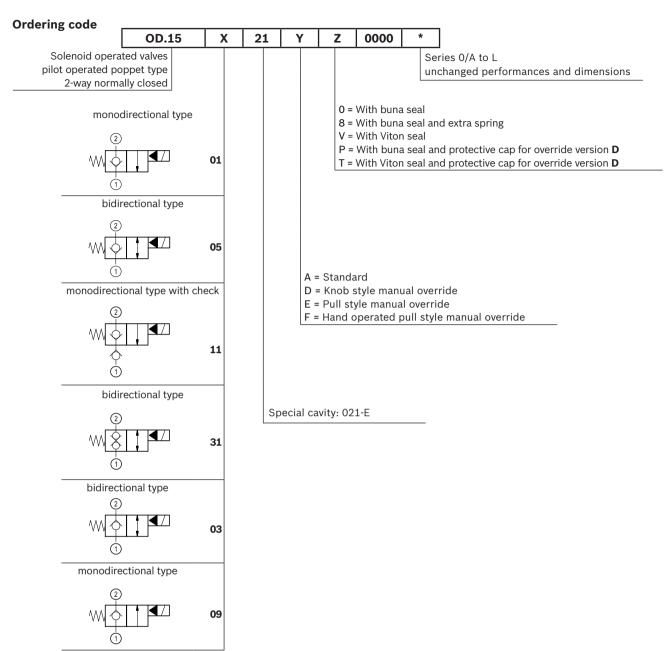


PATENT PENDING









Preferred types

Туре	Material number
OD150121A000000	R930064100
OD150521A000000	R930064472
OD150521A800000	R930065846
OD150521D000000	R930066968
OD151121A000000	R930068693
OD151121D000000	R930065027
OD153121A000000	R930068523
OD153121A800000	R930069360
OD153121D000000	R930068526
OD153121D800000	R930069505
OD150521D800000	R930070647

Туре	Material number
OD150321A000000	R930070069
OD150321D000000	R930069699
OD150321D800000	R930070199
OD150921A000000	R930068524
OD150121A800000	R930068927

Characteristic curves

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

30

10

†

90

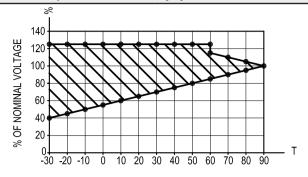
20

FLOW - Q

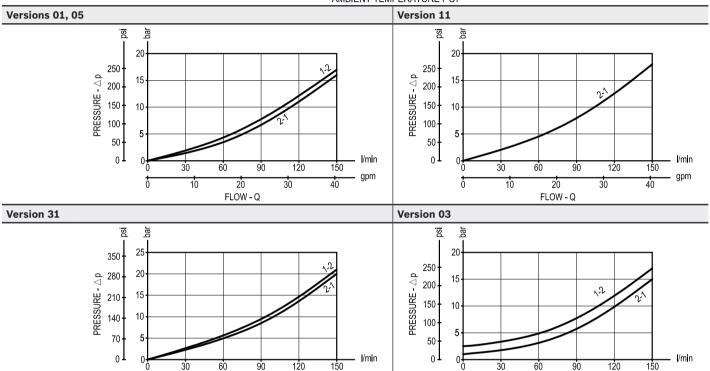
120

30

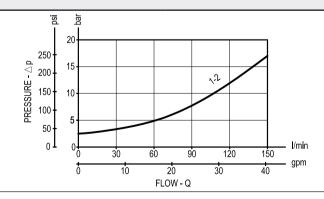
150



AMBIENT TEMPERATURE (°C)







30

10

ţ

90

20

FLOW - Q

120

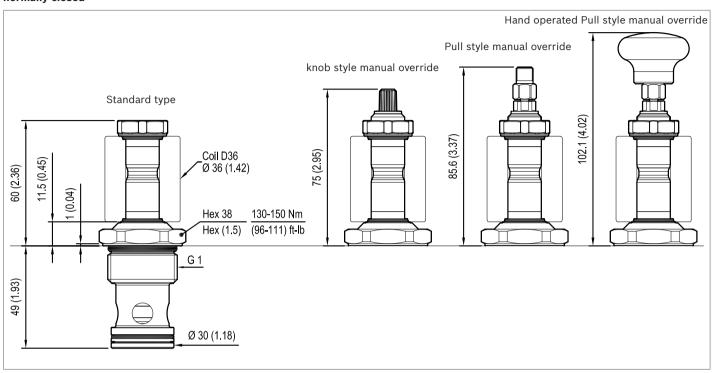
30

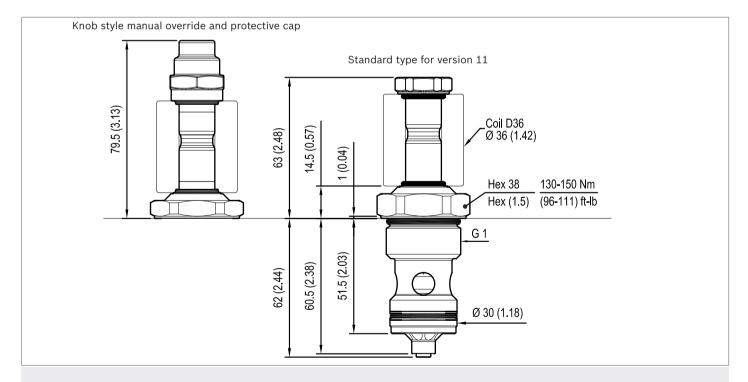
gpm

Dimensions

4

Solenoid operated valves, poppet 2-way normally closed





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