

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 18323-37**Edition: 03.2021
Replaces: 02.2021

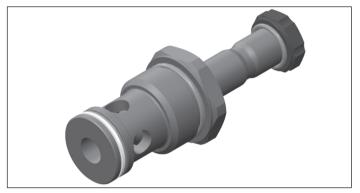


New VEI-16 family incorporates a new solenoid concept providing excellent performance and enables cartridges to work in severe environment. Cartridges also incorporates advanced design of hydraulic parts providing excellent hydraulic performance.

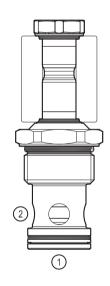
### Technical data

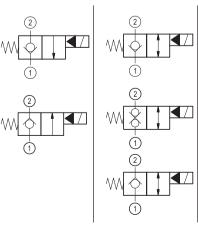
General

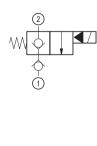
Weight	0.35 kg (0.77 lbs)	
Installation orientation	Unrestricted	
Storage ambient temperature rang	e -40 to 100 °C (-40 to 212 °F)	
Operating ambient temperature ran	nge -30 to 90 °C (-22 to 194 °F)	
Salt spray test to DIN EN ISO 9227:2017-07	500h	
Hydraulic		
Max. operating pressure	350 bar (5000 psi)	
Flow range	5 - 150 l/min (1 - 40 gpm)	
Fatigue cycle life	1 million cycles at 350 bar	
Max. internal leakage:	20 drops/min.	
Switching time	Closing ≤ 100 ms	
	Opening ≤ 50 ms	
Fluid temperature range	-20 to 80 °C (-4 to 176 °F)	
Fluids: Mineral-based or synthetics viscosities of 20 to 380 mm <sup>2</sup> /s (cSi	9	
Installation torque	130 - 150 Nm (96 - 111 ft-lbs)	
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Recommended degree of fluid contamination	Nominal value max. 10 μm (NAS 8) ISO 4406 19/17/14	
Special cavity	021-E see 18325-75	
Seal kit for X=01,05 code	RG21E201052010	
Seal kit for X=03,09,11,31 code	no. R934003566 RG21E201053010	
material		
Seal kit coil and standard code	RG02Z0010000100	
cap material		
Seal kit coil and protective code cap only for Y=D material	RG03Z0010000100	
cap only for Y=D material  Other technical data	no. R930067870 See data sheet 18350-50	
Electrical	Jee data sileet 10000 00	
Type of voltage	DC voltage	
Coil type	D36	
Supply voltage  Voltage tolerance against ambient	See data sheet 18325-90 See characteristic curve	
temperature	See Characteristic curve	
Power consumption	20 W	
Type of protection	See data sheet 18325-90	
Note: Coils must be ordered separately		

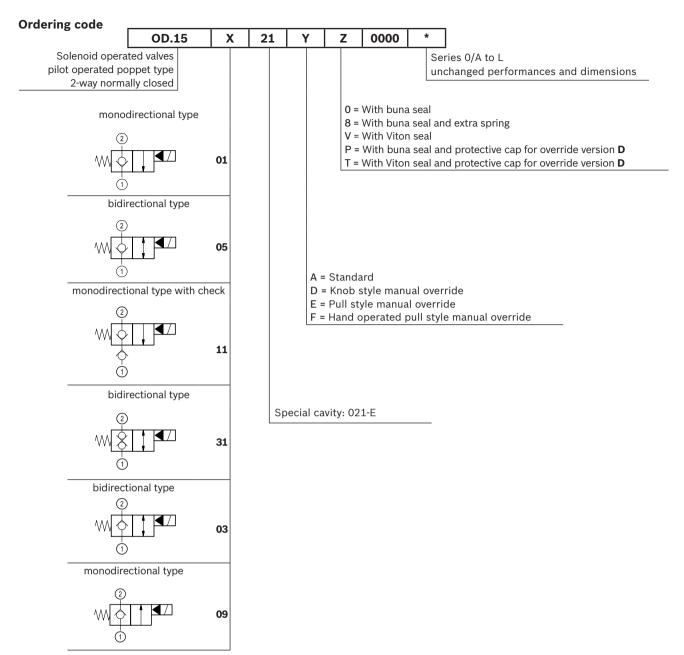


#### PATENT PENDING







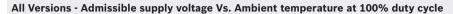


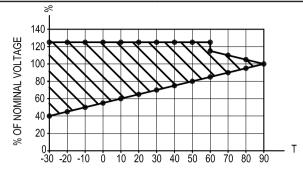
Preferred types

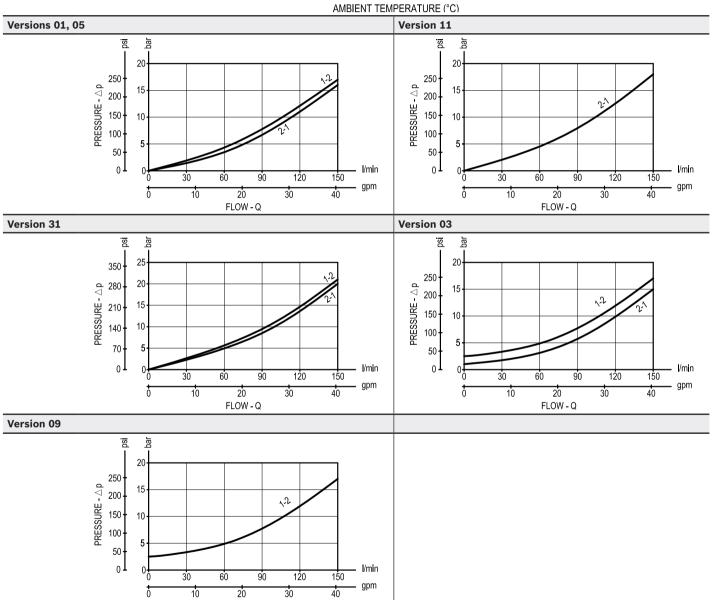
Туре	Material number
OD150121A000000	R930064100
OD150521A000000	R930064472
OD150521A800000	R930065846
OD150521D000000	R930066968
OD151121A000000	R930068693
OD151121D000000	R930065027
OD153121A000000	R930068523
OD153121A800000	R930069360
OD153121D000000	R930068526

Туре	Material number
OD153121D800000	R930069505
OD150521D800000	R930070647
OD150321A000000	R930070069
OD150321D000000	R930069699
OD150321D800000	R930070199
OD150921A000000	R930068524
OD150121A800000	R930068927

#### Characteristic curves





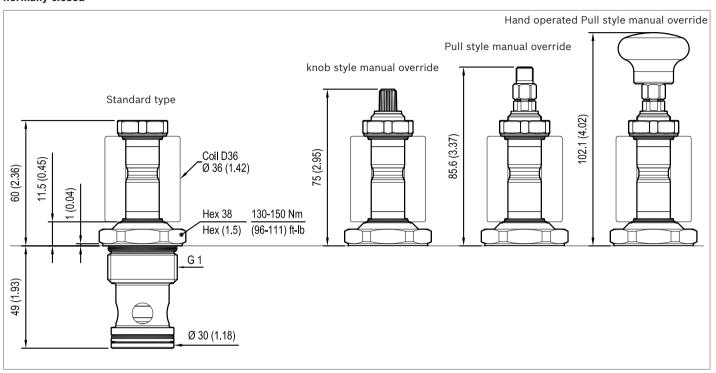


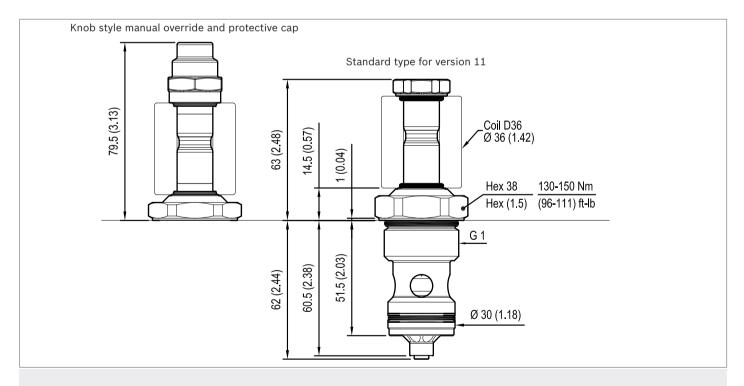
FLOW - Q

## **Dimensions**

4

# Solenoid operated valves, poppet 2-way normally closed





# Bosch Rexroth Oil Control S.p.A.

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