

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: 04.2022
Replaces: 03.2021

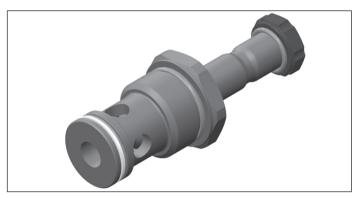


New VEI-16 family incorporates a new solenoid concept providing excellent performance and enables cartridges to work in severe environment. Cartridges also incorporates advanced design of hydraulic parts providing excellent hydraulic performance.

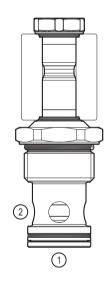
Technical data

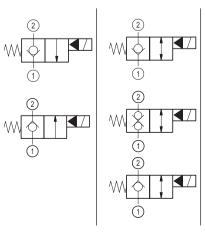
General

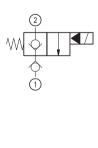
Weight		0.35 kg (0.77 lbs)		
Installation orientation	Unrestricted			
Storage ambient tempera	-40 to 100 °C (-40 to 212 °F)			
Operating ambient temper	-30 to 90 °C (-22 to 194 °F)			
Salt spray test to DIN EN ISO 9227:2017-07	500h			
Hydraulic				
Max. operating pressure	350 bar (5000 psi)			
Flow range	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 with lubricating properties at				
viscosities of 20 to 380 n	nm²/s (cSt)			
Installation torque		130 - 150 Nm (96 - 111 ft-lbs)		
Recommended degree		Nominal value max. 10 µm		
of fluid contamination		(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		
C11:46V 02:00:11:21	material no.			
Seal kit for X=03,09,11,31	code	RG21E201053010		
Seal kit coil and standard	material no.	R934003567 RG02Z0010000100		
cap	material no.	R930067869		
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 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 separatel	y		

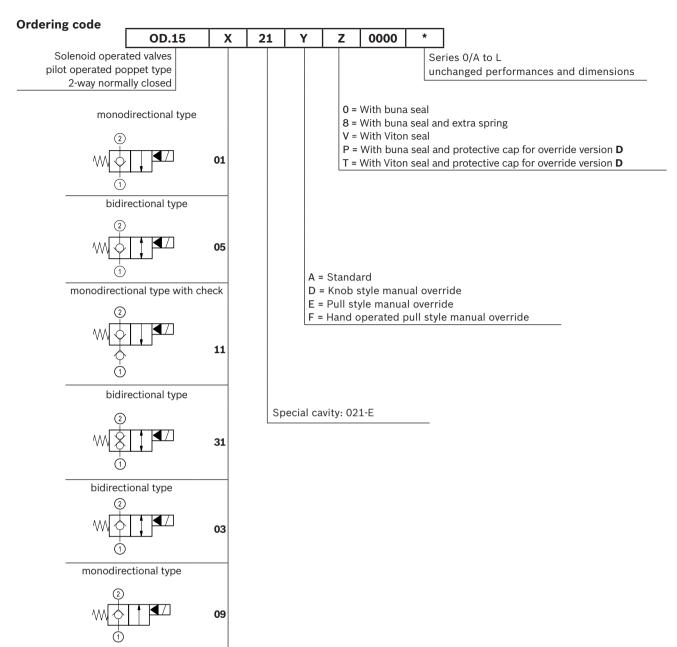


PATENT PENDING







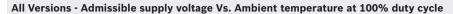


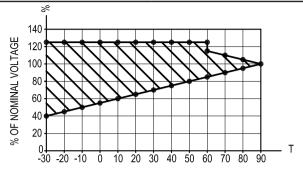
Preferred types

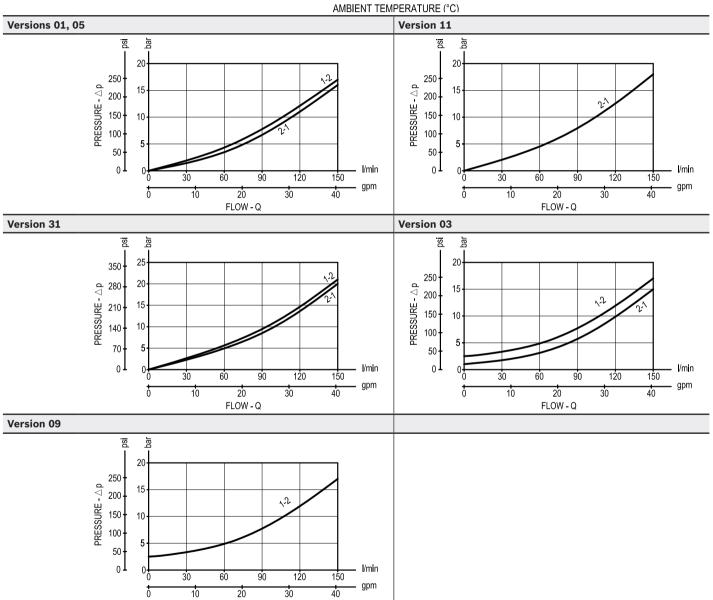
Туре	Material number	
OD150121A000000	R930064100	
OD150521A000000	R930064472	
OD150521A800000	R930065846	
OD150521D000000	R930066968	
OD151121A000000	R930068693	
OD151121D000000	R930065027	
OD153121A000000	R930068523	
OD153121A800000	R930069360	
OD153121D000000	R930068526	

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

Characteristic curves





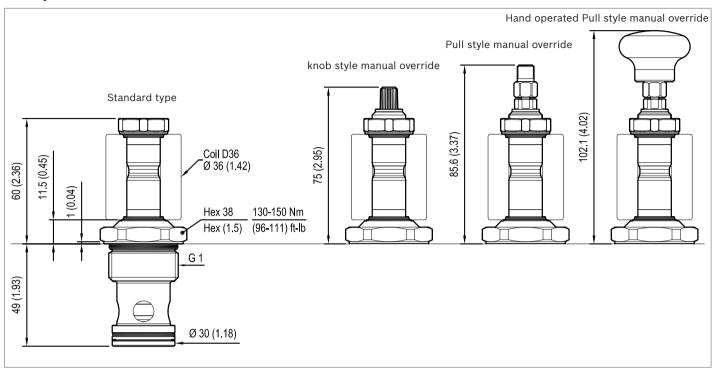


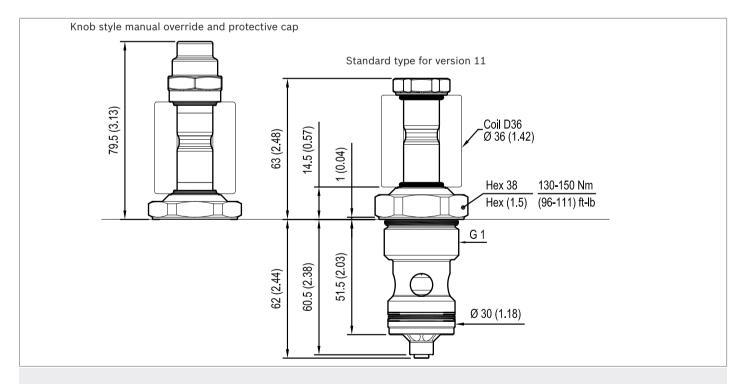
FLOW - Q

Dimensions

4

Solenoid operated valves, poppet 2-way normally closed





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