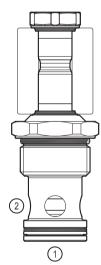


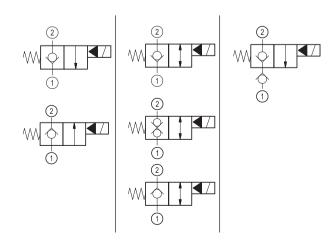
# Solenoid operated valves pilot operated poppet type 2-way normally closed Special cavity, 021-E

# VEI-16-021-NC



### PATENT PENDING





# RE 18323-37

OD.15 - X - 21 - Y - Z

## Edition: 03.2021

Replaces: 02.2021

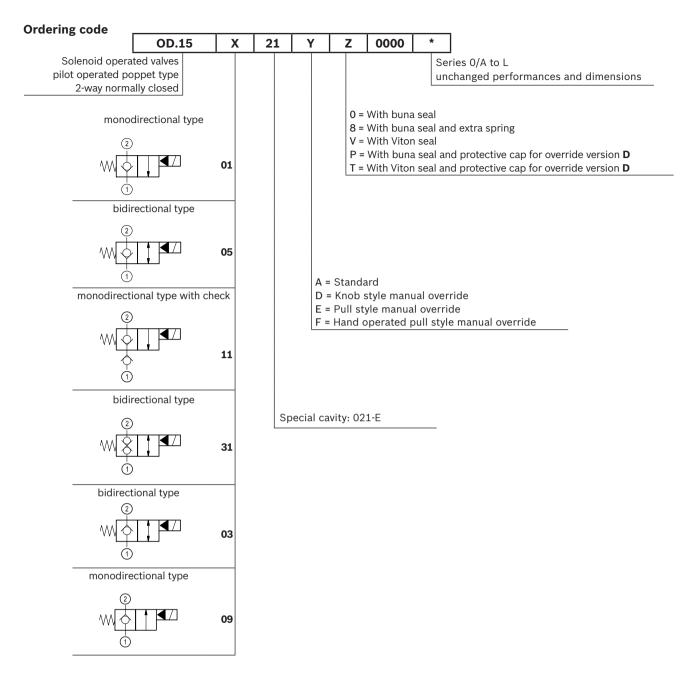
### Technical data

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		0.35 kg (0.77 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)	
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 viscosities of 20 to 380 r		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	
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	
Seal kit 101 X-03,03,11,31	material no.		
Seal kit coil and standard	code	RG02Z0010000100	
cap	material no.	R930067869 RG03Z0010000100	
Seal kit coil and protective cap only for Y=D	material no.		
Other technical data	material no.	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	у	

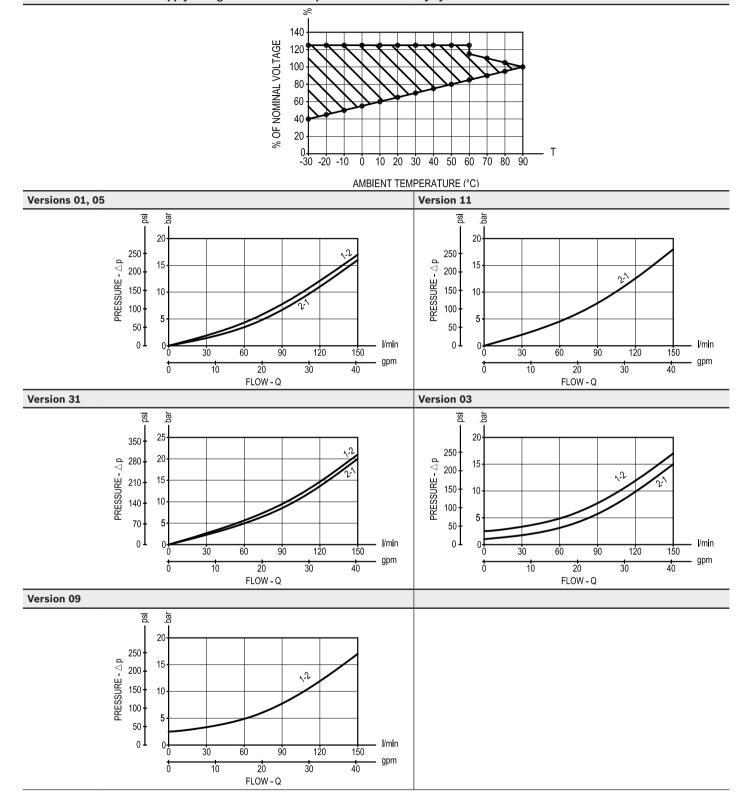
RE 18323-37/03.2021, Bosch Rexroth Oil Control S.p.A.



Preferred types				
Туре	Material number	Туре	Material number	
OD150121A000000	R930064100	OD153121D800000	R930069505	
OD150521A000000	R930064472	OD150521D800000	R930070647	
OD150521A800000	R930065846	OD150321A000000	R930070069	
OD150521D000000	R930066968	OD150321D000000	R930069699	
OD151121A000000	R930068693	OD150321D800000	R930070199	
OD151121D000000	R930065027	OD150921A000000	R930068524	
OD153121A000000	R930068523	OD150121A800000	R930068927	
OD153121A800000	R930069360			
OD153121D000000	R930068526			

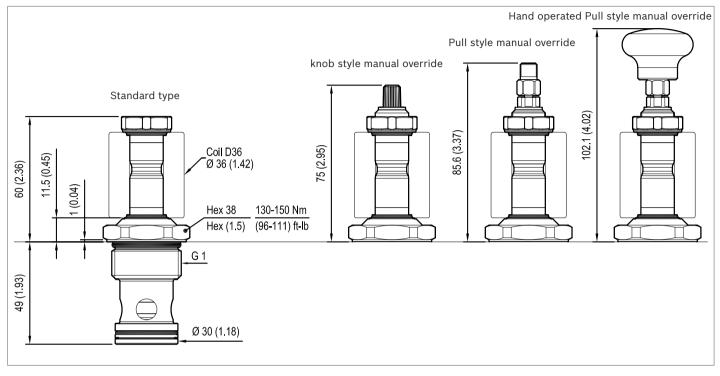
### **Characteristic curves**

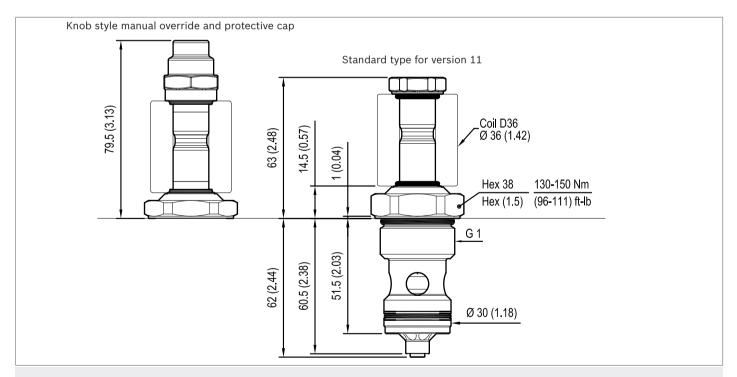
All Versions - Admissible supply voltage Vs. Ambient temperature at 100% duty cycle



#### Dimensions

# Solenoid operated valves, poppet 2-way normally closed





#### Bosch Rexroth Oil Control S.p.A.

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