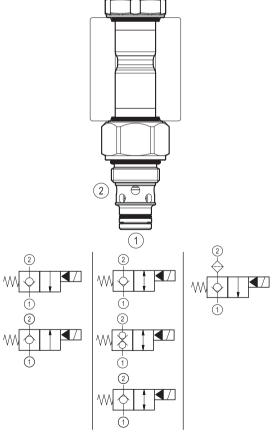


Solenoid operated valves pilot operated poppet type 2-way normally closed Common cavity, Size 08

VEI-16-08A-NC



PATENT PENDING



Application note:

In case of low flow function or low volumes actuators, VEI-16-08A with W=000T fast response version is especially recommended. Direct acting solenoid valves (VEDT-16-08A) are also recommended for low flow, low volume function, low volume actuators.

RE 18323-25

Edition: 07.2021

Replaces: 01.2020

OD.15 - X - 18 - Y - Z - W

Technical data

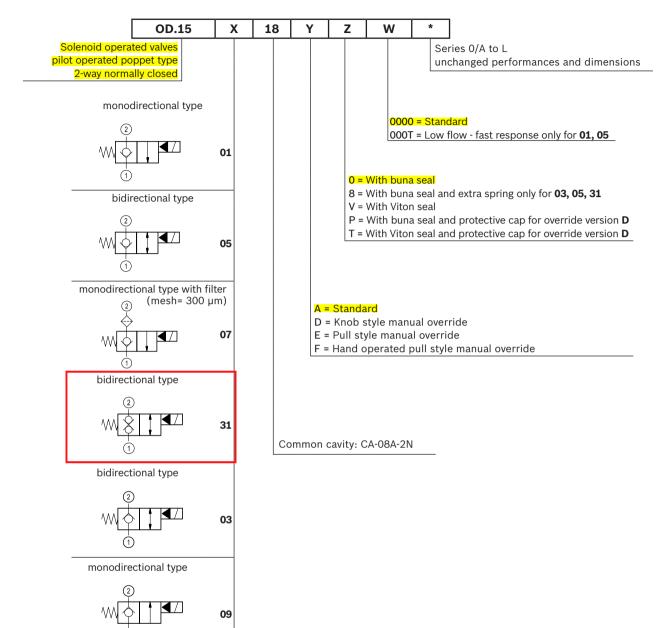
New VEI-16 family incorporates a new solenoid concept providing excellent performance and enables cartridges to work in severe environment. Cartridges also incorporates advanced design of hydraulic parts providing excellent hydraulic performance. **Technical data**

General

General				
Weight		0.15 kg (0.33 lbs)		
Installation orientation		Unrestricted		
Storage ambient temperature range -40 to 100 °C (-40 to 212 °F)				
Operating ambient -30 to 90°C (-22 to 194°F) for W=0000				
temperature range -30 to 75°		°C (-22 to 167°F) for W=000T		
Salt spray test to 500h DIN EN ISO 9227:2017-07				
Hydraulic				
Max. operating pressure		350 bar (5000 psi)		
Flow range	0.5 - 40 l/mi	n. (0.1 - 11 gpm) for W=0000		
0.5 - 30 l/min. (0.1 - 8 gpm) for W=000T				
Fatigue cycle life		2 million cycles at 350 bar		
Max internal lasteres		150000 cycles at 420 bar		
Max. internal leakage:		5 drops/min. for X= 01,05,07 20 drops/min. for X= 31,03,09		
Switching time for W=0000		Opening \leq 50 ms		
Switching time for w=0000				
	<u>от</u>	Closing ≤ 100 ms		
Switching time for W=00	01	Opening ≤ 50 ms		
		Closing ≤ 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 mm ² /s (cSt)				
Installation torque		35 - 43 Nm (26 - 32 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-08A-2N see 18325-70		
Seal kit for X=01,05,07	code	RG08A2010520100		
Carl 1: t fam V 01 00 00	material no.			
Seal kit for X=31,03,09	code material no.	RG08A2010530100 R901101544		
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 voltage		
Coil type		D36		
Supply voltage		See data sheet 18325-90		
Voltage tolerance against amb.temp.		See characteristic curve		
Power consumption		20 W		
Type of protection See data sheet 18325-90				
Note: Coils must be ordered separately				

RE 18323-25/07.2021, Bosch Rexroth Oil Control S.p.A.

Ordering code



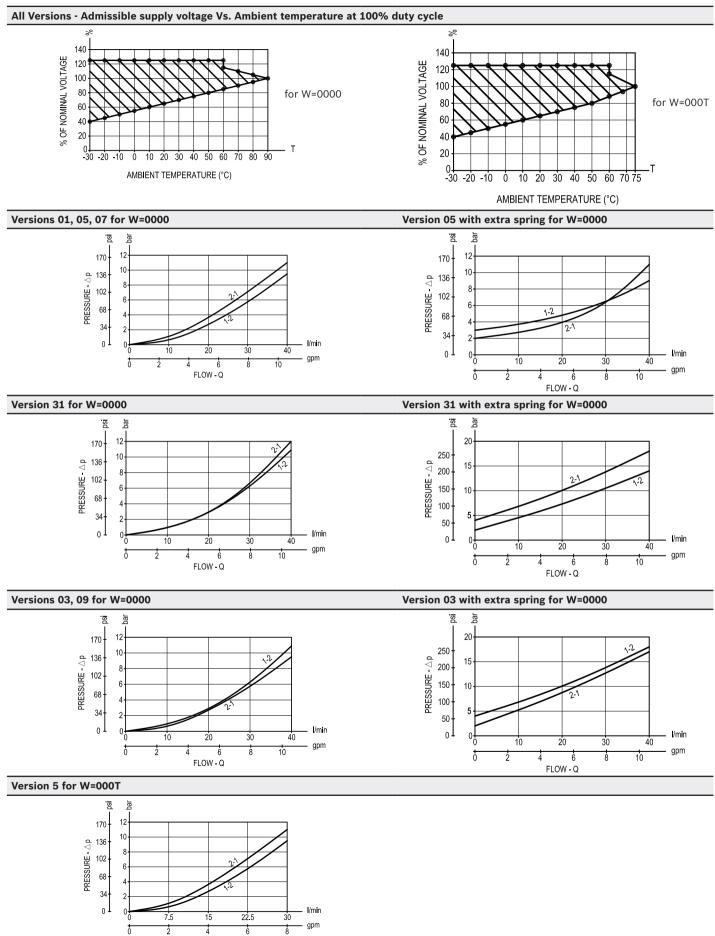
Preferred types

Туре	Material number
OD150118A000000	R930058697
OD150118D000000	R930059941
OD150518A000000	R930058427
OD150518D000000	R930058344
OD150518DP00000	R930059757
OD150718A000000	R930058338
OD150718D000000	R930058336
OD150718DP00000	R930058529
OD150118E000000	R930060958
OD150518E000000	R930060966
OD150718E000000	R930060973
OD153118A000000	R930058334

Туре	Material number
OD153118D000000	R930058898
OD153118E000000	R930065030
OD150518A800000	R930063229
OD150318A000000	R930062828
OD150918A000000	R930064361
OD153118DP00000	R930066685
OD150518D800000	R930063959
OD150318D000000	R930065238
OD150918D000000	R930066189
OD150318A800000	R930065856
OD150518A800000	R930063229
OD153118A800000	R930066547

Bosch Rexroth Oil Control S.p.A., RE 18323-25/07.2021

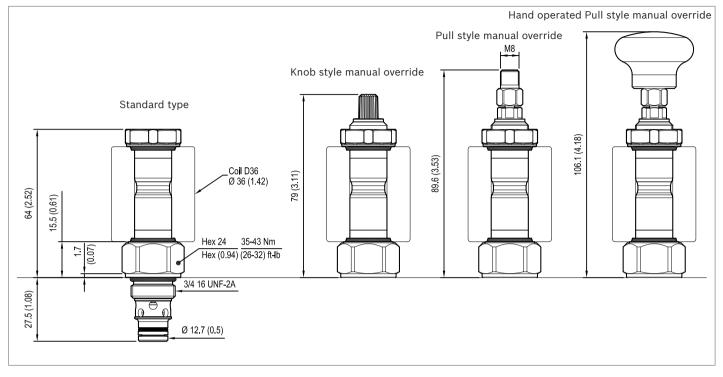
Characteristic curves

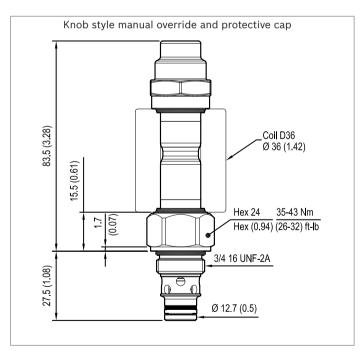


FLOW - Q

Dimensions

Solenoid operated valves, poppet 2-way normally closed





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