

Solenoid operated valves pilot operated poppet type
2-way normally closed
Special cavity, Hydac 12120

VEI-16-12F-NC

OD.15 - X - 33 - Y - Z

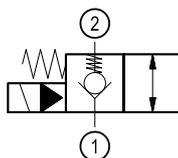
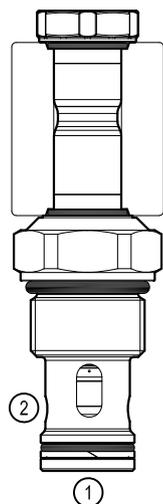
RE 18323-47

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Replaces 01.2020



PATENT PENDING



Technical data

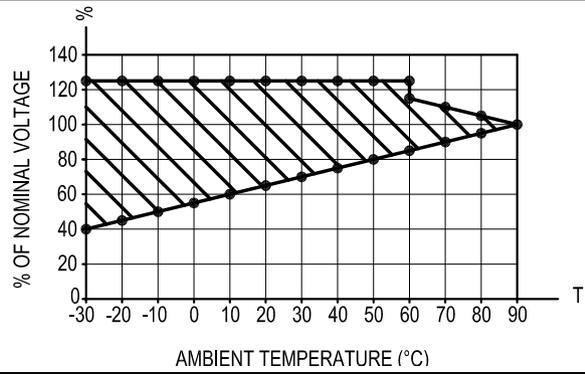
New VEI-16 family incorporates a new solenoid concept providing excellent performance and enables cartridges to work in severe environment. Cartridges also incorporates advanced design of hydraulic parts providing excellent hydraulic performance.

Technical data

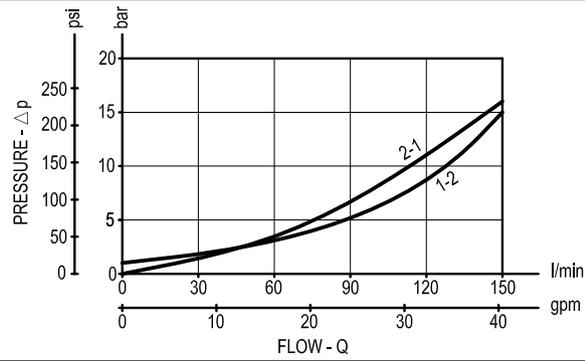
General		
Weight	0.25 kg (0.55 lbs)	
Installation orientation	Unrestricted	
Storage ambient temperature range	-40 to 100 °C (-40 to 212 °F)	
Operating ambient temperature range	-30 to 90 °C (-22 to 194 °F)	
Salt spray test to DIN EN ISO 9227:2017-07	500h	
Hydraulic		
Max. operating pressure	350 bar (5000 psi)	
Flow range	5 - 150 l/min (1 - 40 gpm)	
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 mm ² /s (cSt)		
Installation torque	54 - 66 Nm (40 - 49 ft-lbs)	
Recommended degree of fluid contamination	Nominal value max. 10 µm (NAS 8) ISO 4406 19/17/14	
MTTFD	150 years see 18350-51	
Special cavity	Hydac 12120 / R901415961	
Seal kit for X=05	code	RG12F2010520100
	material no.	R930077510
Seal kit coil and standard cap	code	RG02Z0010000100
	material no.	R930067869
Seal kit coil and protective cap only for Y=D	code	RG03Z0010000100
	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 ordered separately		

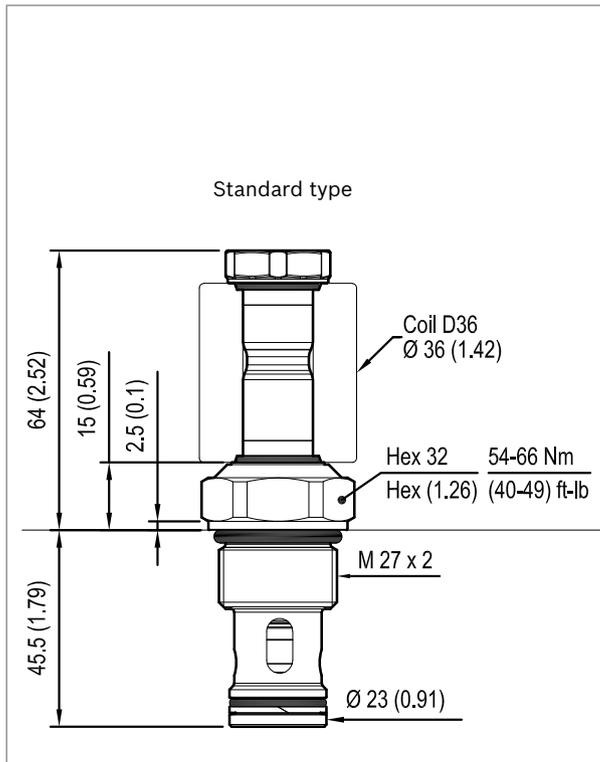
Characteristic curves

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



Version 05



Dimensions**Solenoid operated valves, poppet 2-way
normally closed****Bosch Rexroth Oil Control S.p.A.**

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