Part number:

HYDROMA HYDRAULICKÉ SYSTÉMY | HIDROMA SISTEMS UKŁADY HYDRAULICZNE | HYDROMA ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

Solenoid operated valves pilot operated poppet type 2-way normally open Special cavity, 019-E

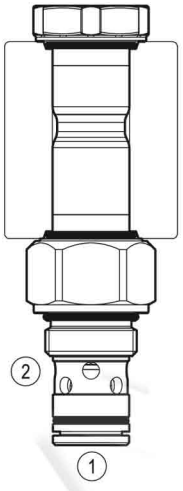
VEI-16-08S-NA

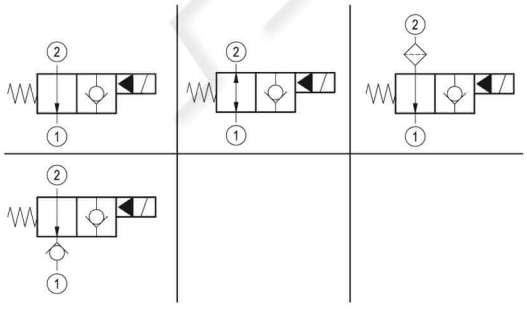
OD.15 - X - 19 - Y - Z - 00

RE 18323-28
Edition: 04.2018
Replaces: 11.2017



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		0.15 kg (0.33 lbs)
Installation orientation		Unrestricted
Ambient temperature range		-30 to 90 °C (-22 to 194 °F)
Hydraulic		
Max. operating pressure		350 bar (5000 psi)
Flow range		0.5 - 40 l/min (0.1 - 11 gpm)
Fatigue cycle life		2 million cycles at 350 bar 150000 cycles at 420 bar
Max. internal leakage		5 drops/min.
Switching time		Closing ≤ 100 ms Opening ≤ 30 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		39 - 51 Nm (29 - 38 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
Special cavity		019-E see 18325-75
Seal kit for X=02,06,08	code material no.	RG19E201052010 R934003560
Seal kit for X=12	code material no.	RG19E201053010 R934003561
Seal kit coil and standard cap	code material no.	RG02Z0010000100 R930067869
Seal kit coil and protective cap only for Y=B	code material no.	RG03Z0010000100 R930067870
Seal kit coil and protective cap only for Y=C	code material no.	RG04Z0010000100 R930069171
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		

Ordering code

OD.15	X	19	Y	Z	0000	*

Solenoid operated valves
pilot operated poppet type
2-way normally open

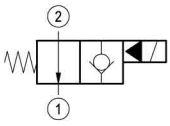
Series 0/A to L
unchanged performances and dimensions

0 = With buna seal
V = With Viton seal
P = With buna seal and protective cap for override version **B** and **C**
T = With Viton seal and protective cap for override version **B** and **C**

A = Standard
B = Push style manual override
C = Push and twist style manual override

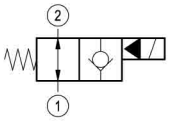
Special cavity: 019-E

monodirectional type



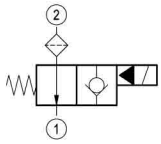
02

bidirectional type



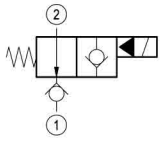
06

monodirectional type with filter



08

monodirectional type with check



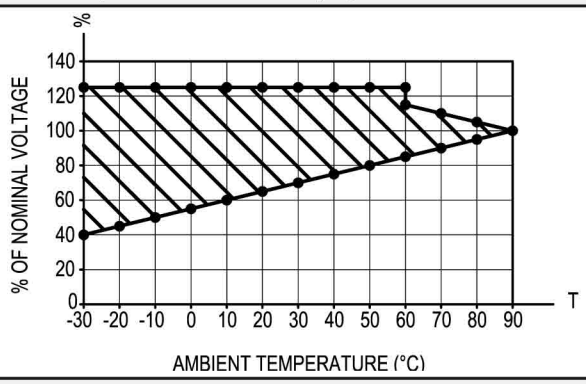
12

Type	Material number
OD150619A000000	R930058434
OD150619B000000	R930058437
OD150819A000000	R930058426
OD150819B000000	R930060936
OD150219A000000	R930060915

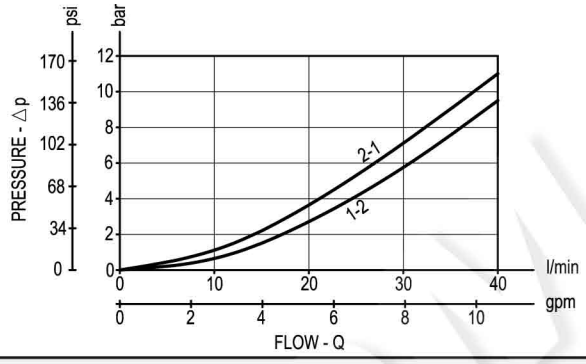
Type	Material number
OD150219B000000	R930060917
OD151219A000000	R930060944
OD151219B000000	R930060946

Characteristic curves

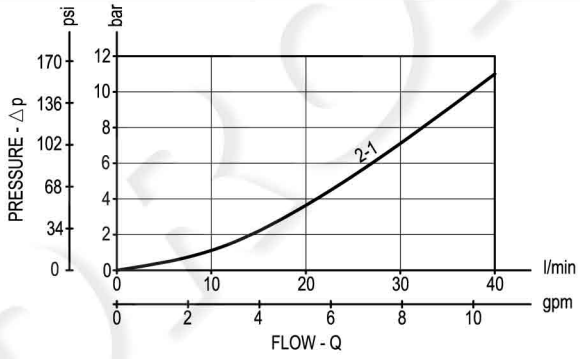
All Versions - Admissible supply voltage Vs. Ambient temperature at 100% duty cycle



Version 02-06-08



Version 12



Dimensions

Solenoid operated valves, poppet 2-way
normally open

