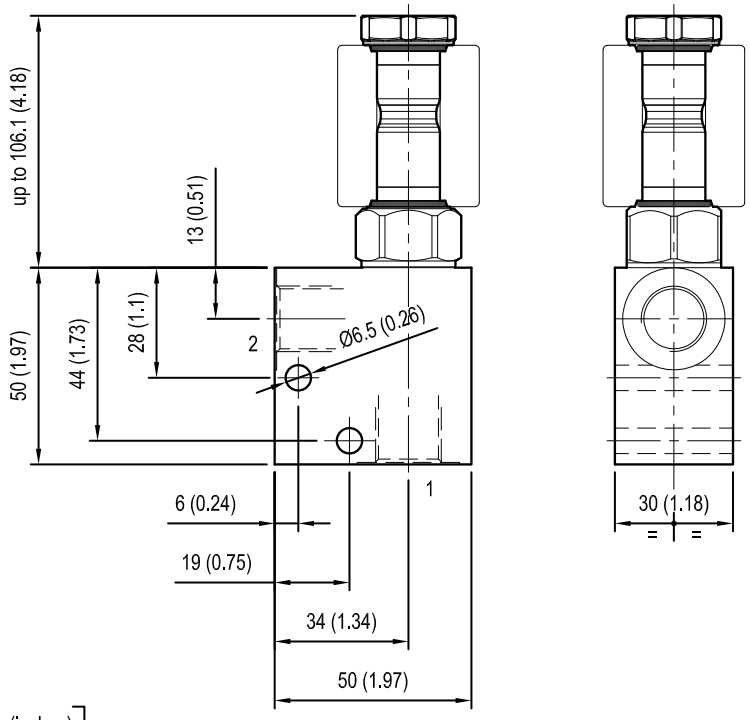
Solenoid operated valves 2-way 2-positions
Special cavity 019-E
Cartridge style in manifold

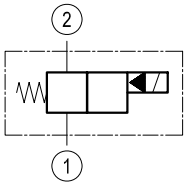
VEI-CS-16-08S

OS.15 - K - 19 - X - Y - Z - W

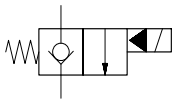
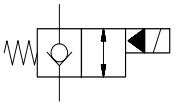
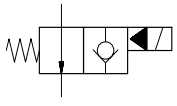
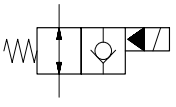
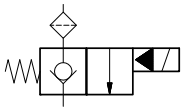
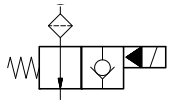
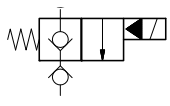
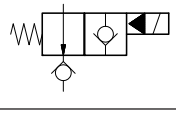
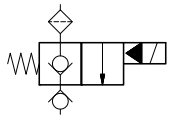
RE 18331-66
Edition: 02.2019
Replaces: 12.2016



[mm (inches)]



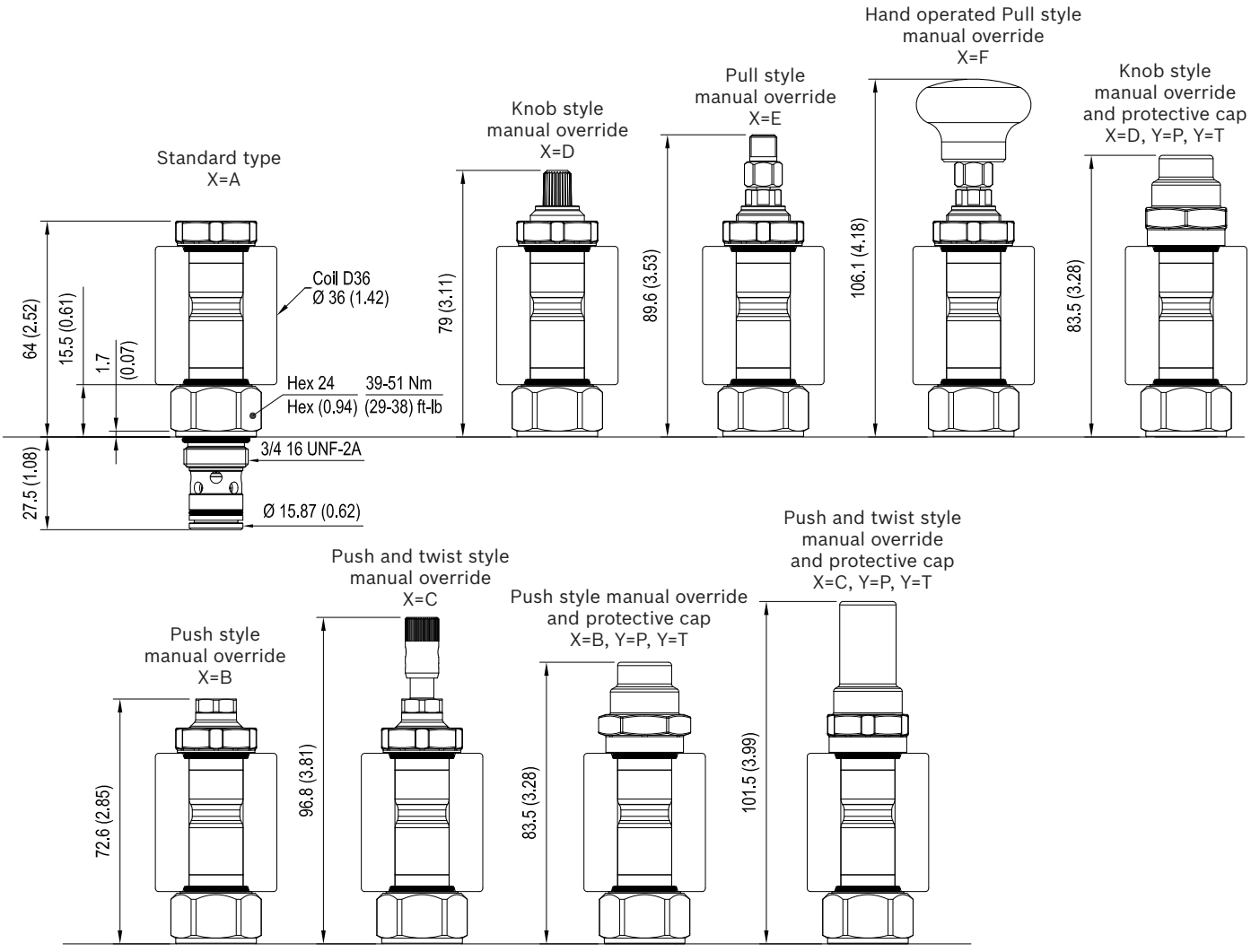
Cartridge schemes (K)

	monodirectional type	bidirectional type
01		05 
02		06 
07		
08		
11		
12		
13		

Technical data

Max. flow	40 l/min (11 gpm)
Max. operating pressure for **steel body**	350 bar (5000 psi)
Max operating pressure for **aluminium body**	210 bar (3000 psi)
Ambient temperature range	-30 to 90 °C (-22 to 194 °F)
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 20 to 380 mm^2/s (cSt)	
MTTFd	150 years see RE 18350-51
To order manifold only, see data sheet RE 18325-85	
Other technical data	See data sheet 18350-50

Dimensions [mm (inches)]



Cartridge technical data

General	
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)
Max. internal leakage	5 drops/min.
Switching time	Opening ≤ 50 ms
	Closing ≤ 100 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 mm²/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 data sheet 18325-75
Other technical data	See data sheet 18350-50

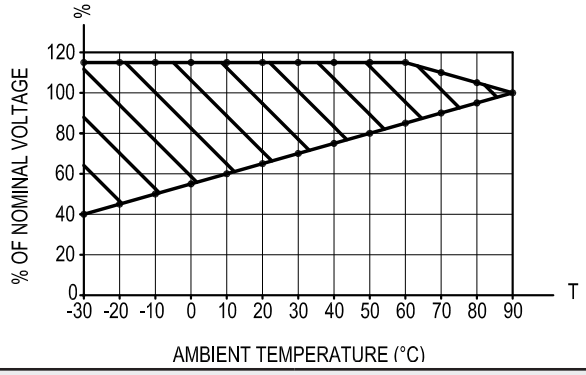
Electrical	
Type of voltage	DC voltage
Coil type	D36
Supply voltage	See data sheet 18325-90
Voltage tolerance against ambient temperature	See characteristic curve
Power consumption	20 W
Type of protection	See data sheet 18325-90
Note: Coils must be ordered separately	

TAB. 1

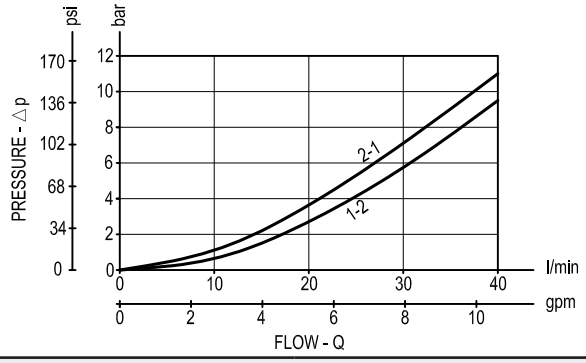
		Manual override options (X)					
		A	**B**	**C**	**D**	**E**	**F**
Seal and prot. cap. (Y)	**0**	K=all versions	K=02; K=06 K=08; K=12	K=02; K=06 K=08; K=12	K=01; K=05 K=07; K=11 K=13	K=01; K=05 K=07; K=11 K=13	K=01; K=05 K=07; K=11 K=13
	V	K=all versions	K=02; K=06 K=08; K=12	K=02; K=06 K=08; K=12	K=01; K=05 K=07; K=11 K=13	K=01; K=05 K=07; K=11 K=13	K=01; K=05 K=07; K=11 K=13
	P	/	K=02; K=06 K=08; K=12	K=02; K=06 K=08; K=12	K=01; K=05 K=07; K=11 K=13	/	/
	T	/	K=02; K=06 K=08; K=12	K=02; K=06 K=08; K=12	K=01; K=05 K=07; K=11 K=13	/	/

Characteristic curves

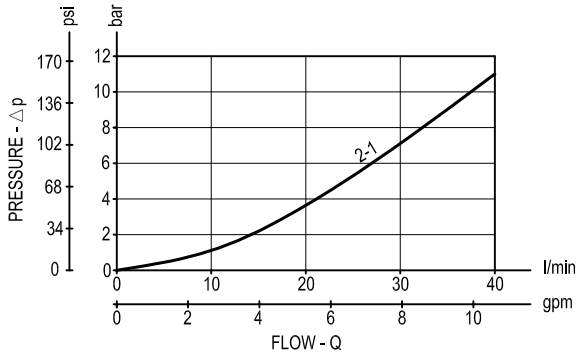
All Versions - Admissible supply voltage Vs. Ambient temperature at 100% duty cycle



Version 01-02-05-06-07-08



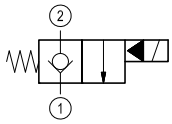
Version 11-12-13



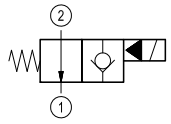
Ordering code

OS.15	K	19	X	Y	Z	W

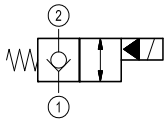
Solenoid operated valves
2-way 2-positions
Special cavity 019-E
Cartridge style in manifold



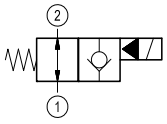
01



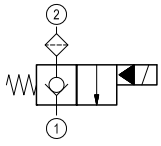
02



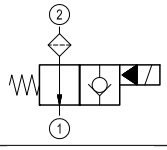
05



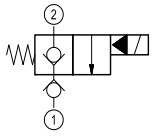
06



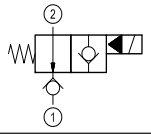
07



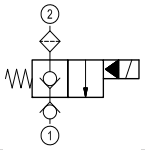
08



11



12



13

Special cavity 019-E

Cartridge options

A = Standard
B = Push style manual override
C = Push and twist style manual override
D = Knob style manual override
E = Pull style manual override
F = Hand operated pull style manual override

Cartridge seals and accessories options

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

Manifold port sizes

09	G 1/4
02	G 3/8

Manifold material

00	Aluminium
S0	Steel

Note: for solutions availability (K-X-Y combinations), please refer to TAB.1 on page 2.

Bosch Rexroth Oil Control S.p.A.
Via Leonardo da Vinci 5
P.O. Box no. 5
41015 Nonantola – Modena, Italy
Tel. +39 059 887 611
Fax +39 059 547 848
compact-hydraulics-hic@boschrexroth.com
www.boschrexroth.com/compacthydraulics