

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

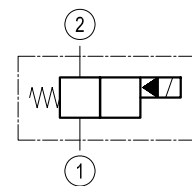
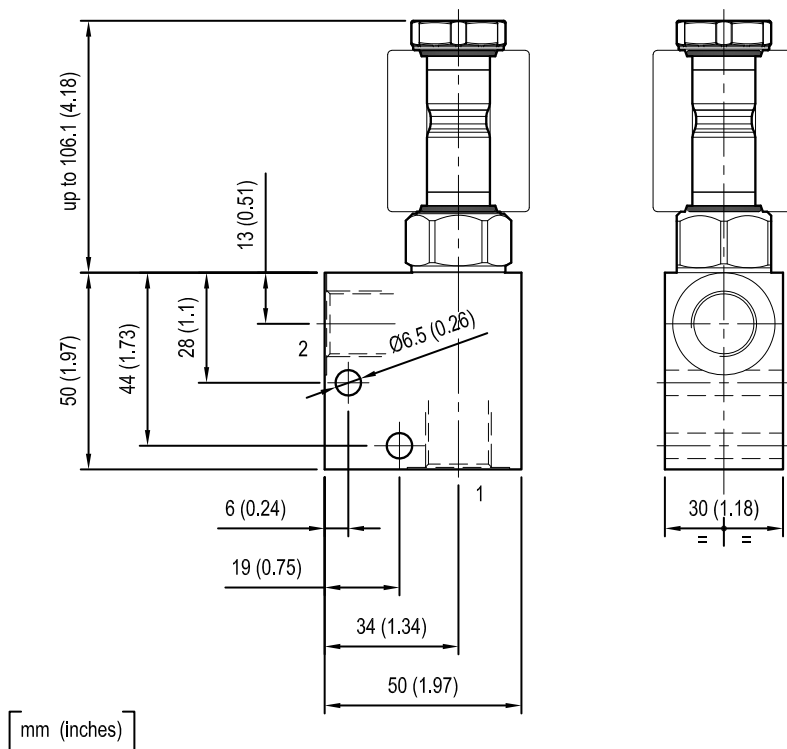
VEI-CS-16-08S

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

**RE 18331-66**

Edition: 02.2019

Replaces: 12.2016

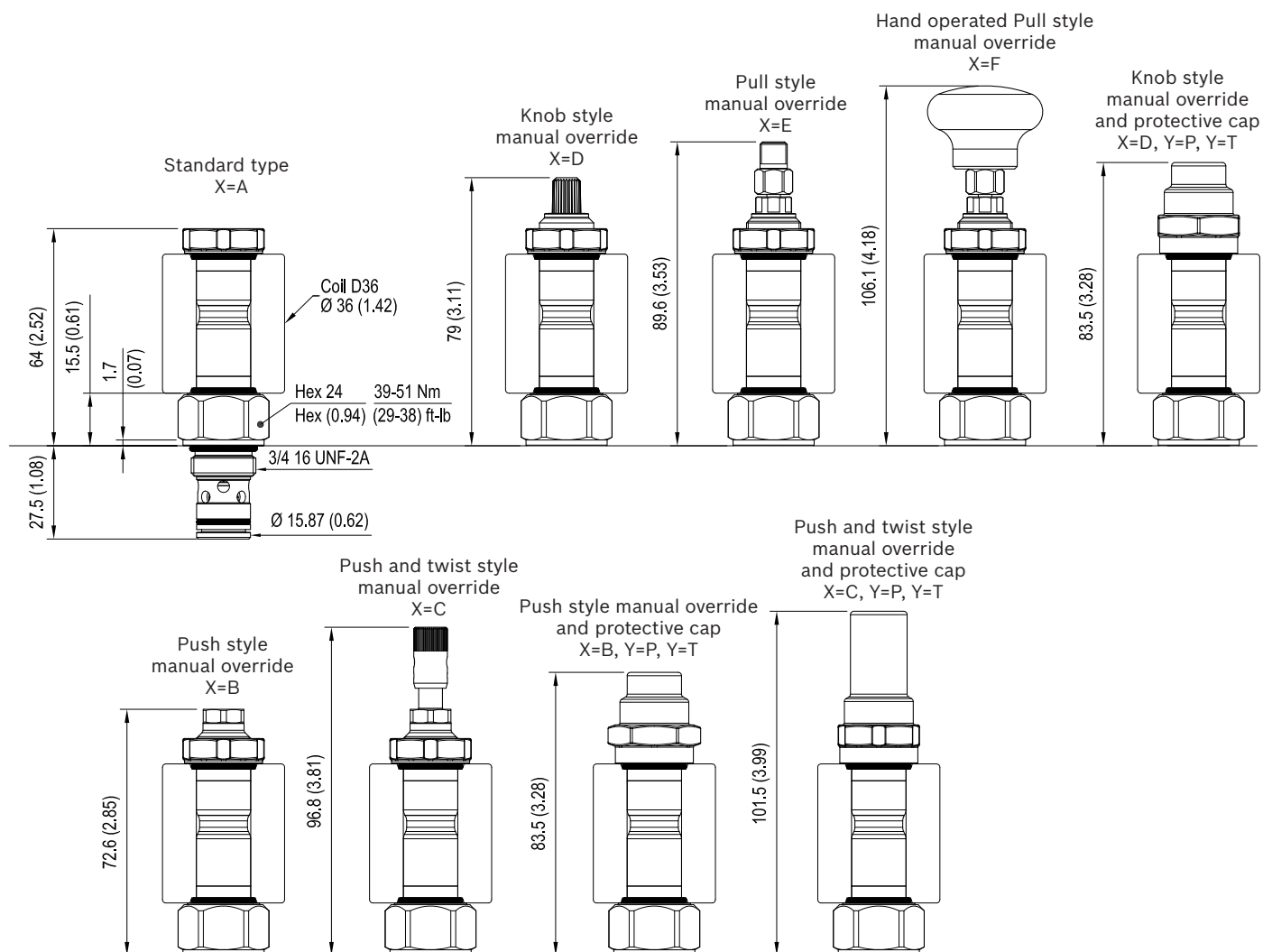


### Cartridge schemes (K)

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 <sup>2</sup> /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



### Cartridge technical data

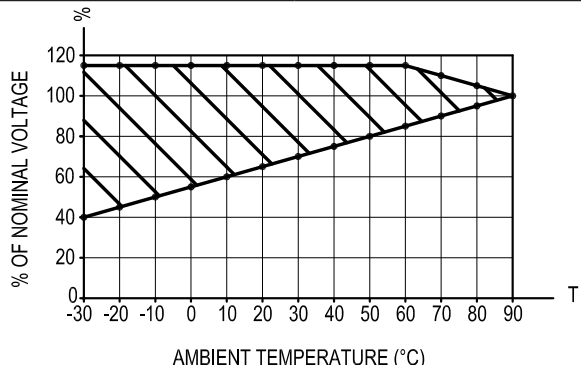
General	
Installation orientation	Unrestricted
Ambient temperature range	-30 to 90 °C (-22 to 194 °F)
Hydraulic	
Max. operating pressure	350 bar (5000 psi)
Flow range	0.5 - 40 l/min (0.1 - 11 gpm)
Max. internal leakage	5 drops/min.
Switching time	Opening ≤ 50 ms Closing ≤ 100 ms
Fluid temperature range	-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	

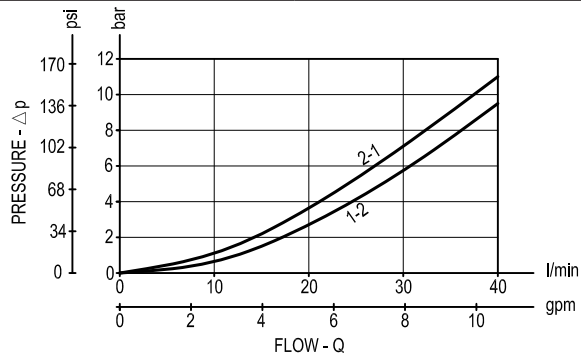
TAB. 1		Manual override options (X)					
Seal and prot. cap. (Y)		A	B	C	D	E	F
	O	K=all versions	K=02; K=06 K=08; K=12	K=02; K=06 K=08; K=12	K=01; K=05 K=07; K=11 K=13	K=01; K=05 K=07; K=11 K=13	K=01; K=05 K=07; K=11 K=13
	V	K=all versions	K=02; K=06 K=08; K=12	K=02; K=06 K=08; K=12	K=01; K=05 K=07; K=11 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

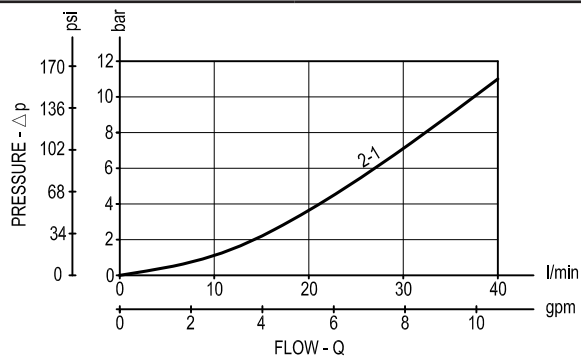
All Versions - Admissible supply voltage Vs. Ambient temperature at 100% duty cycle



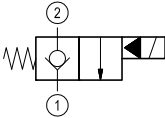
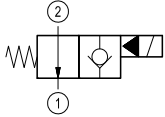
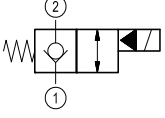
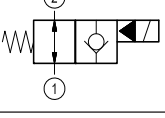
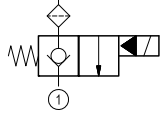
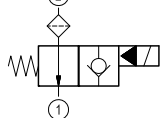
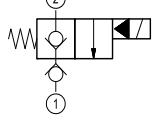
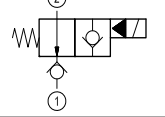
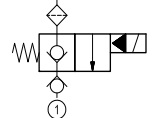
Version 01-02-05-06-07-08



Version 11-12-13



**Ordering code**

OS.15	K	19	X	Y	Z	W
<div> Solenoid operated valves  2-way 2-positions  Special cavity 019-E  Cartridge style in manifold </div> <div>  </div>	01					
<div>  </div>	02					
<div>  </div>	05					
<div>  </div>	06					
<div>  </div>	07					
<div>  </div>	08					
<div>  </div>	11					
<div>  </div>	12					
<div>  </div>	13					

**Manifold material**

00	Aluminium
S0	Steel

**Manifold port sizes**

09	G 1/4
02	G 3/8

**Cartridge seals and accessories options**

**O** = 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**

**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

Special cavity 019-E

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

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