

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

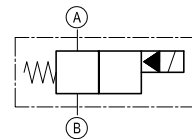
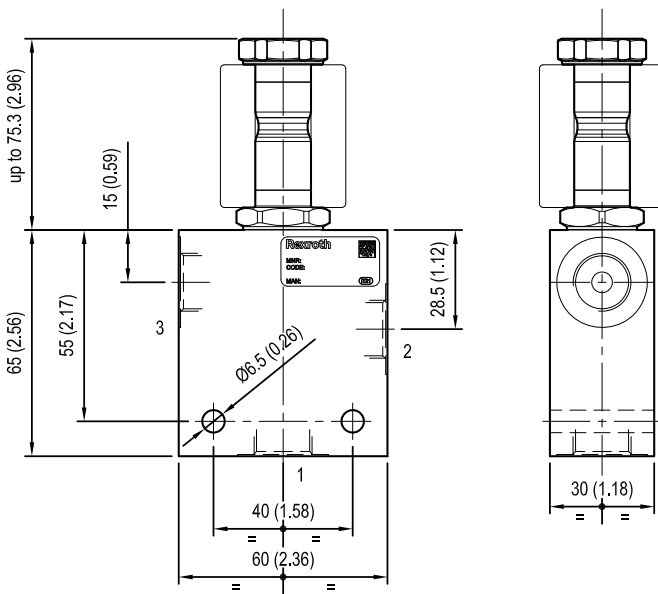
VEI-CS-16-021

OS.15 - K - 21 - X - Y - Z - W

**RE 18331-61**

Edition: 04.2023

Replaces: 02.2019



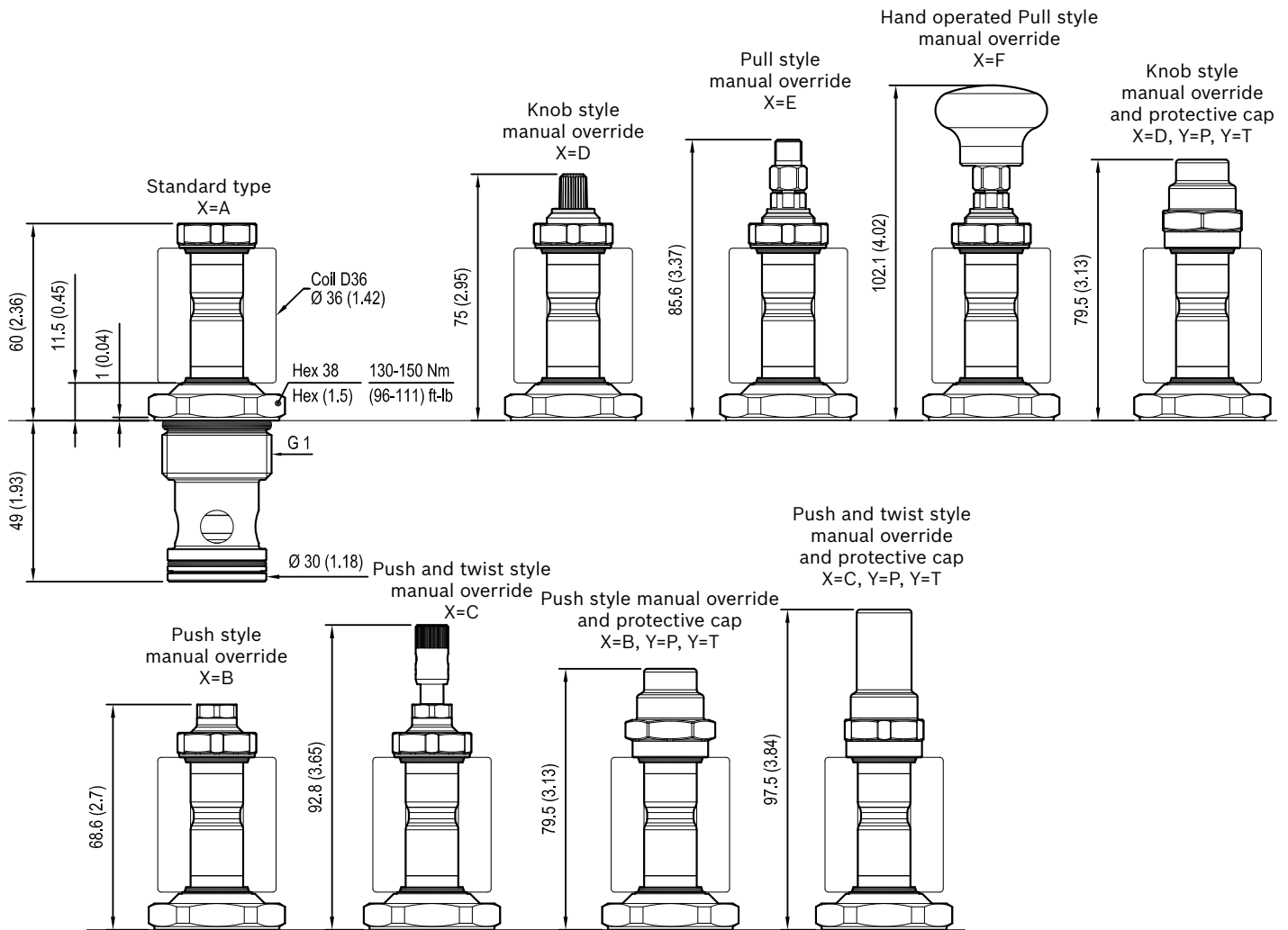
**Cartridge schemes (K)**

monodirectional type	bidirectional type
01	05
02	06
	31
	32

[mm (inches)]

**Technical data**

Max. flow	up to 150 l/min (40 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**

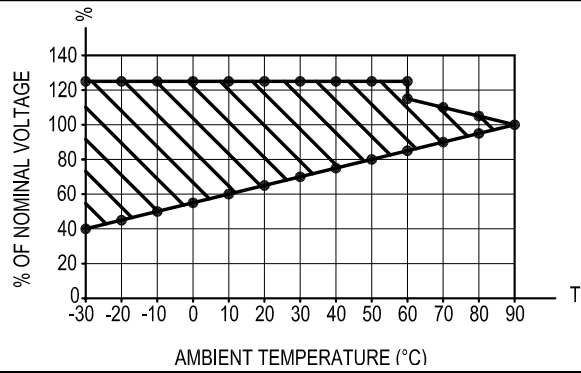
General	
Installation orientation	Unrestricted
Ambient temperature range	-30 to 90 °C (-22 to 194 °F)
Hydraulic	
Max. operating pressure	350 bar (5000 psi)
Flow range	5 - 150 l/min (1 - 40 gpm)
Max. internal leakage	20 drops/min.
Switching time	Closing ≤ 100 ms
	Opening ≤ 50 ms
Fluid temperature range	-20 to 80 °C (-4 to 176 °F)
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 20 to 380 mm <sup>2</sup> /s (cSt)	
Installation torque	130 - 150 Nm (96 - 111 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	021-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	

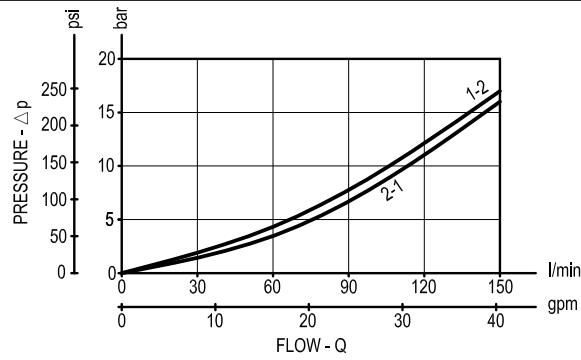
TAB. 1		Manual override options (X)					
Seal and prot. cap. (Y)		A	B	C	D	E	F
	O	K=all versions	K=02; K=06; K=32	K=02; K=06; K=32	K=01; K=05; K=31	K=01; K=05; K=31	K=01; K=05; K=31
V	K=all versions	K=02; K=06; K=32	K=02; K=06; K=32	K=01; K=05; K=31	K=01; K=05; K=31	K=01; K=05; K=31	K=01; K=05; K=31
P	/	K=02; K=06; K=32	K=02; K=06; K=32	K=01; K=05; K=31	/	/	/
T	/	K=02; K=06; K=32	K=02; K=06; K=32	K=01; K=05; K=31	/	/	/

Characteristic curves

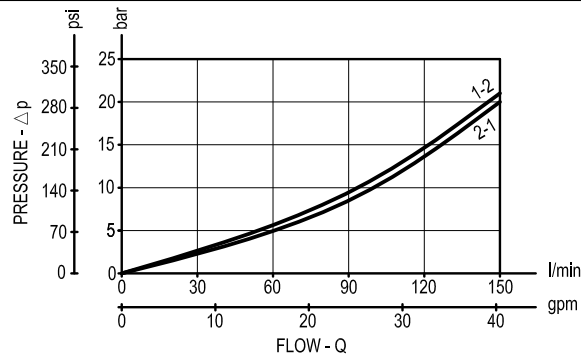
All Versions - Admissible supply voltage Vs. Ambient temperature at 100% duty cycle



Versions 01,02,05,06



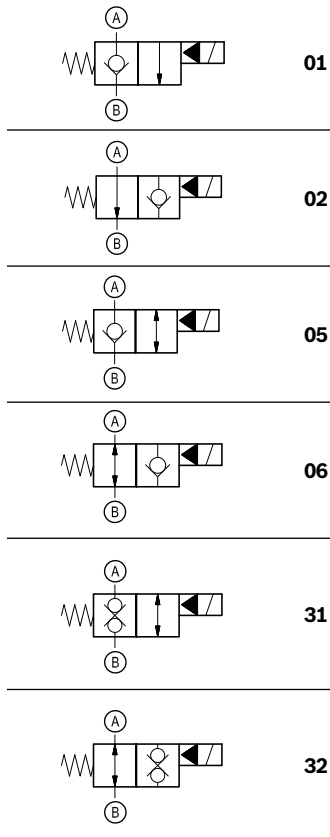
Versions 31,32



Ordering code

<b>OS.15</b>	<b>K</b>	<b>21</b>	<b>X</b>	<b>Y</b>	<b>Z</b>	<b>W</b>
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Solenoid operated valves  
2-way 2-positions  
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**Manifold material**

**00** Aluminium

**S0** Steel

**Manifold port sizes**

**04** G 3/4

**05** G 1

**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**

**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 021-E

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

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