# For Use with AVK and EV and RV Series Actuators





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Туре	Stroke
WGVL	2" [50 mm]

## **Technical data**

Functional data	Fluid	chilled or hot water and steam
	Fluid Temp Range (water)	Please Refer to Manufacturer's Valve Specifications
	Mounting Position	360°
	Applicable valve size	26" [50150]
Materials	Hardware	SS and Nickel plated steel
	Housing material	Die cast aluminium and plastic casing
	Stem	316 stainless steel
	Stem adapter	steel
	Frame, plate, base	aluminum, steel (fits Warren Type 20,22,23,30, and 32) and Belimo G6/G7
	Collar	steel
	Coupling	GF Nylon supplied
Suitable actuators	Non-Spring	EVB(X)

Electrical fail-safe AVKB(X)

For close-off pressure reference Select Pro or retrofit technical documentation.

## **Product features**

Default/Configuration

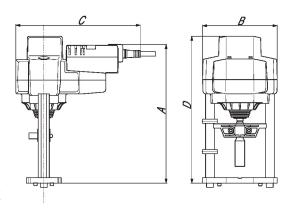
The default set up for a WGVL linkage will be factory installed along with an AVK or EV, RV series actuator. Included in the kit will be all the necessary hardware to facilitate mounting to the Warren valve.

RVB(X)

## **Dimensions**

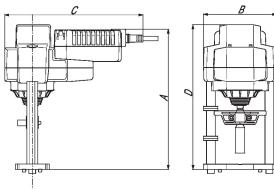
Туре	Weight
WGVL	5.7 lb [2.6 kg]





EVB, EVX, RVB, RVX





AVKB, AVKX

A	В	С	D
10.4" [264]	5.5" [140]	10.3" [262]	10.9" [276]

On/Off, Floating Point, Non-Spring Return, Linear, 24 V







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Electrical data	Nominal voltage	AC/DC 24 V		
	Nominal voltage frequency	50/60 Hz		
	Power consumption in operation	3.5 W		
	Power consumption in rest position	0.5 W		
	Transformer sizing	6 VA (class 2 power source)		
	Electrical Connection	18 GA plenum cable, 3 ft [1 m], with 1/2" conduit connector, degree of protection NEMA 2 / IP54		
	Overload Protection	electronic throughout full stroke		
	Electrical Protection	actuators are double insulated		
Functional data	Actuating force motor	2500 N [560 lbf]		
	Position feedback U note	No Feedback		
	Direction of motion motor	selectable with switch 0/1		
	Manual override	5 mm hex crank (3/16" Allen), supplied		
	Stroke	2" [50 mm]		
	Running Time (Motor)	90 s /		
	Running time motor note	constant, independent of load		
	Noise level, motor	60 dB(A)		
	Position indication	Mechanically, with pointer		
Safety data	Degree of protection IEC/EN	IP54		
	Degree of protection NEMA/UL	NEMA 2		
	Enclosure	UL Enclosure Type 2		
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU; Listed to UL 2043 - suitable for use in air plenums per Section 300.22(c) of the NEC and Section 602.2 of the IMC		
	Quality Standard	ISO 9001		
	Ambient temperature	-22122°F [-3050°C]		
	Storage temperature	-40176°F [-4080°C]		
	Ambient humidity	Max. 95% RH, non-condensing		
	Servicing	maintenance-free		
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### **Footnotes**

Materials

Housing material

† Use flexible metal conduit. Push the listed conduit fitting device over the actuator's cable to butt against the enclosure. Screw in conduit connector. Jacket the actuators input wiring with listed flexible conduit. Properly terminate the conduit in a suitable junction box. Rated impulse Voltage 800V. Type of action 1. Control pollution degree 3.

Die cast aluminium and plastic casing



#### **Electrical installation**

## **X** INSTALLATION NOTES

Actuators may be connected in parallel. Power consumption and input impedance must be observed.

🔏 Actuators may also be powered by DC 24 V.

🛕 Actuators with plenum cable do not have numbers; use color codes instead.

Meets cULus requirements without the need of an electrical ground connection.

## 

During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.

## Wiring diagrams

On/Off

