• Universal Flanged Globe Valve Linkage with EV, RV, and AVK actuators





Type overview					
Туре	Stroke				
FGVL	1.25" [32 mm] AVK, 2" [50 mm] EV/RV				
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	2.56" [65150]		

Stem	316 stainless steel	
Stem adapter	steel/Aluminum	
Frame, plate, base	aluminum, steel (fits competitor bonnets up to 2.3" dia.)	
Collar	aluminum	
Coupling	GF Nylon supplied	
Non-Spring	EVB(X) RVB(X)	
Electrical fail-safe	AVKB(X)	

SS and Nickel plated steel

Die cast aluminium and plastic casing

# **Product features**

**Default/Configuration** The

Suitable actuators

Materials

Hardware

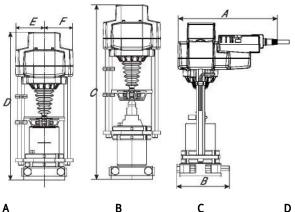
Housing material

The default set up for a FGVL 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 valve.

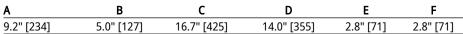
For close-off pressure reference Select Pro or retrofit technical documentation.

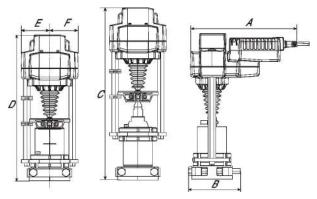
# Type Weight FGVL 9.0 lb [4.1 kg]





EVB, EVX, RVB, RVX





AVKB, AVKX

Α	В	C	D	E	F
10.2" [260]	5.0" [127]	16.7" [425]	14.0" [355]	2.8" [71]	2.8" [71]

On/Off, Floating Point, Electrical Fail-Safe, Linear, 24 V









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Electrical data	Nominal voltage	AC 24 V	
	Nominal voltage frequency	50/60 Hz	
	Nominal voltage range	AC 19.228.8 V	
	Power consumption in operation	5 W	
	Power consumption in rest position	2 W	
	Transformer sizing	9.5 VA	
	Electrical Connection	18 GA plenum cable, 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	2000 N [450 lbf]	
	Position feedback U note	No Feedback	
	Bridging time (PF)	2 s	
	Pre-charging time	520 s	
	Direction of motion motor	selectable with switch	
	Direction of motion fail-safe	reversible with switch	
	Manual override	5 mm hex crank (3/16" Allen), supplied	
	Stroke	1.25" [32 mm]	
	Running Time (Motor)	90 s /	
	Running time motor note	constant, independent of load	
	Running time fail-safe	<35 s	
	Noise level, motor	60 dB(A)	
	Noise level, fail-safe	60 dB(A)	
	Position indication	Mechanical, with pointer	
Safety data	Power source UL	Class 2 Supply	
	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	
	Quality Standard	ISO 9001	
	Ambient humidity	Max. 95% RH, non-condensing	
	Ambient temperature	-22122°F [-3050°C]	
	Storage temperature	-40176°F [-4080°C]	
	Servicing	maintenance-free	
Weight	Weight	6.39 lb [2.9 kg]	
Materials	Housing material	Die cast aluminium and plastic casing	



### **Footnotes**

† 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.

### **Electrical installation**

### **INSTALLATION NOTES**

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

A Provide overload protection and disconnect as required.

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

🛕 Control signal may be pulsed from either the Hot (Source) or Common (Sink) 24 V line. Actuators may be connected in parallel if not mechanically linked. Power consumption and input impedance must be observed.

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

### Warning! Live electrical components!

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

