# FGVL Flanged Globe Valve Linkage For Use with AVK and EV and RV Series Actuators





| Technical Data        |   |  |  |
|-----------------------|---|--|--|
| Service               | rvice chilled or hot water and steam                |  |  |
| Applicable Valve Size | 2-1/2" [64], 3" [80], 4" [101], 5" [127], 6" [152]  |  |  |
| Stem                  | 316 stainless steel                                 |  |  |
| Frame, plate, base    | aluminum, steel (fits competitor bonnets up to 2.3" |  |  |
|                       | dia.)   |  |  |
| Collar                | aluminum  |  |  |
| Coupling              | GF Nylon supplied                                   |  |  |
| Housing Material      | Aluminum die cast and plastic casing                |  |  |
| Stem Adaptor          | steel/Aluminum                                      |  |  |
| Stroke                | 1.25" [32 mm] AVK, 2" [50 mm] EV/RV                 |  |  |
| Mounting Position     | 360°  |  |  |
| Media Temperature     | 20°F to 250°F [-7°C to 120°C]                       |  |  |
| Range (Water)         |   |  |  |
| Media Temperature     | 32°F to 338°F [0°C to 170°C]                        |  |  |
| Range (Steam)         |   |  |  |
| Weight                | 9 lb [4.1 kg]                                       |  |  |

For close-off pressure reference Select Pro or Retrofit Technical Documentation.



## **Application**

The FGVL retrofit kit is designed to easily attach AVK, EV and RV series actuators to select Flanged globe valves requiring larger stem travels and higher forces. Its casted base and lower locking clamp allow the FGVL to be mounted on 2-1/2" to 6" two-way or three-way valves in both normally open and normally closed configurations.

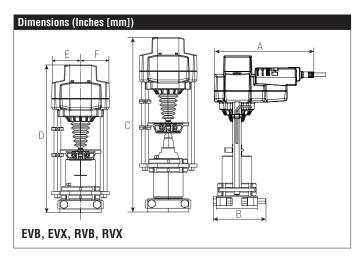
The FGVL linkage with actuator will provide up to 2" [50 mm] of linear travel to accommodate a wide range of valve sizes.

## **Default/Configuration**

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.

**Suitable Actuators** 

|      | Non-Spring       | Electronic Fail-Safe |  |  |  |
|------|------------------|----------------------|--|--|--|
| FGVL | EVB(X), $RVB(X)$ | AVKB(X)              |  |  |  |



| Α          | В       | С      | D      | E    | F      |
|------------|---------|--------|--------|------|--------|
| 9.2" [234] | 5.00"   | 16.73" | 14.00" | 2.78 | " [71] |
|            | [127.0] | [425]  | [356]  |      |        |



# **FGVL Flanged Globe Valve Linkage** For Use with AVK and EV and RV Series Actuators

# Dimensions (Inches [mm]) AVKB, AVKX

| А      | В       | С      | D      | Е    | F      |
|--------|---------|--------|--------|------|--------|
| 10.25" | 5.00"   | 16.73" | 14.00" | 2.78 | " [71] |
| [260]  | [127 0] | [425]  | [356]  |      |        |

Noise Level (Motor)

**Quality Standard** 

Servicing

Weight

Noise Level (Fail-Safe)

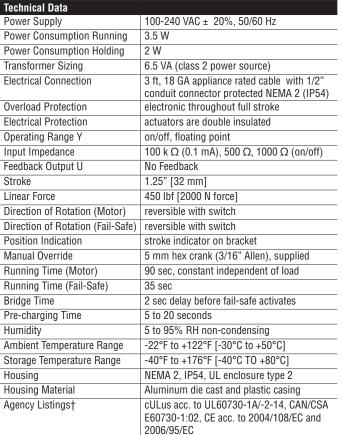
# AVKB120-3 On/Off, Floating Point, Electronic Fail-Safe, Linear, 120 V











† 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.

6.4 lb [2.9 kg]

<60 dB (A)

<60 dB (A)

ISO 9001

maintenance free







## Wiring Diagrams



# X INSTALLATION NOTES



Actuators with appliance cables are numbered.



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



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

# 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.

