

VA-8020-1

Floating/Incremental Control Electric Valve Actuator



Description

The VA-8020-1 is a synchronous, force-sensor-limited actuator that provides floating/incremental control for 1/2 and 3/4 in. valves in many HVAC applications. The VA-8020-1 is a motor-driven, non-spring return electric valve actuator.

Features

- provides floating/incremental control from a three-wire, nominal 24 VAC input signal
- simplified setup and adjustment procedures reduce installation costs
- provides 22 lb (98 N) minimum shutoff force
- compact assembly fits most unit vent and baseboard applications

Applications

VG7000 Series—must be factory mounted (no linkage kit required)

To Order

Specify code number **VA-8020-1**. Also refer to *Electric Valve and Actuator Selection Charts*. For VG7000 options, refer to *VG7000 Series Bronze Control Valves – Adding an Electric Actuator*.

Accessories

Code Number	Description
VA-8000-102	Valve Position Indicator
VA-8020-100	Field Mounting Kit for VT Series Valves

Specifications

VA-8020-1 Floating/Incremental Control Electric Valve Actuator	
Power Requirements	20 to 30 VAC at 50/60 Hz; 3.4 VA Supply Minimum, Class 2
Input Signal	20 to 30 VAC at 50/60 Hz, Three-Wire
Input Impedance	250 ohms Nominal
Stroke Time	50 Hz Approximately 108 Seconds Nominal
(5/16 in. Stroke)	60 Hz Approximately 90 Seconds Nominal
Shutoff Force	22 lb (98 N) Minimum
Ambient Conditions	Operating 35 to 150°F (2 to 65°C); 85°F (30°C) Maximum Dew Point at 90% RH, Noncondensing
	Storage -40 to 150°F (-40 to 65°C); 85°F (30°C) Maximum Dew Point at 90% RH, Noncondensing
Valve Media Temperature	Water 195°F (90°C) Maximum Steam Actuator Not Rated for Steam
Dimensions (H x W x D)	4-1/2 in. x 5 in. x 2-1/2 in. (114 mm x 127 mm x 64 mm)
Agency Listings	UL 873 Recognized, File E27734, Guide XAPX2 (Suitable for Plenum Use); CSA C22.2 No. 130 Certified, File LR85083, Class 3221 02
Shipping Weight	1.6 lb (0.74 kg)

Repair Parts

Code Number	Description
VA-8020-601	Replacement Cover Kit
VA-8020-605 (a)	Stem Retainer and Clip Kit

(a) One stem retainer and clip kit is included with each VA-8020-1 Electric Valve Actuator. If the VA-8020-605 is ordered separately, it must be ordered in multiples of five.