

MG350S SmartX Actuator



New MG350S SmartX Actuator

We are pleased to announce a new SmartX Actuator designed to fit the Satchwell VZX and MZX globe valves.

The new MG350 SmartX Actuator offer enables fast, trouble free installation and offers auto stroke calibration on first power up. A removable electrical connector further simplifies installation by allowing wiring to be done before connection to the valve actuator assembly. This is especially beneficial when mounting occurs in small or awkward spaces.

LEDs on the actuator provide users with both operation and alarm status. Stroke alarms warn of valve blockages due to dirt contamination, a loose linkage connection or broken valve stem. The actuator will also alarm to the loss of the control signal or other internal faults.

2 models cover the MG350S family for driving the following Satchwell globe valves:

- VZX
- MZX

Replacement to Satchwell AVU

The MG350S replaces the AVUE and AVUX actuators when used with the Satchwell globe valves. The replacement is effective immediately.

Part No.	Control	Replacement
AVUE5304	0-10V Direct	MG350S-24M
AVUE5354	0-10V Reverse	
AVUX5202	24V 3 wire Floating	MG350S-24F

Product at a Glance

Product Announcement Number
PA-00521

Models

MG350S-24F Floating
MG350S-24M Modulating

Key Specifications

Force: 350 N

Power Supply: 24 Vac/dc 50/60Hz

Suitable valve type: MZX, VZX

Speed: 5 s/mm

Literature Assets

- Specification Sheets
- Installation Instructions
- Key Selling Points Presentation
- CE Declarations
- Video
- Poster
- Brochure
- CE Declarations

Product Benefits

- Removable terminal connector and gland for ease of wiring
- Auto-calibration to speed installation
- LED for status of operation and alarms
- Direct or reverse operation
- Dual sink or source floating
- Dual two position/floating control
- 0-10V/2-10V and direct/inverse operation on proportional units
- Stroke indicators
- Stroke adapted and signal hysteresis control

Pricing and Master Data information
Available to country administrators

The MG350S is taller than the AVUE but for most applications with the MZX and VZX globe valves this should not be of concern.

The MG350S should not be used to replace the AVU actuator when used on the VP224R PIBCV valves or the FEU/ MEU and VEU zone valves. A separate PA (PA-00521) will detail the replacement actuator used in this circumstance.

MG350 Platform

The MG350S is part of the MG350 offer which connects onto many valve families with a different mechanical valve connection.

- The MG350 fits onto the V241 / V341 and, V211(T) / V311(T)
- The MG350C are specifically designed for the 2 and 3 way bronze VG210, VG310 internally threaded valves. These models provide our most compact globe valve solutions with ISO threads.
- The MG350V connects onto the VB-7000 with NPT threads

Typical applications

The actuator is intended for use in the modulating control of 2 or 3 way valves up to 2" in size for low to medium duty hot and cold water applications such as AHUs or the control of large zones with multiple terminal units.

Availability

Products will be supplied from the central distribution center in Sweden.

Commercial Reference (Part No.)	Description	Availability Date
MG350S-24F	MG350S Floating Act. VZX/MZX	13th April
MG350S-24M	MG350S Mod. Act. VZX/MZX	26th April

Related products and PA

PA-00522 – MG350C – Venta VG210, VG310 globe valves – ultra compact design of internally threaded bronze valves

PA-00523 – MG350 – Venta V241/V341, V211(T), V311(T) Valves

PA-00532 – AVU Withdrawal – End of Life - AVU Actuators

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