

Installation instructions

WP39 Weatherproof Enclosures for 2½" to 4" AB-QM Valves

The WP39 is a NEMA rated 6P indoor/outdoor enclosure designed specifically for 2½" to 4" AB-QM valve bodies mounted with the AME435QM (code no. 082H0171), AMV435 (code no. 082H0162) or AME25 series (code no. 082H3041 or 082H3038) of motorized actuators.

Enclosed:

- (1) Black rubberized collar
- (1) Size 24 hose clamp

Required:

- (1) Weather tight ½" electrical conduit



Step 1

Confirm the proper flow percentage setting is correct. (Refer to the AB-QM valve instructions for the proper methods to set the valve flow percentage.)

	2½"	3"	4"
40%	34.0	48.0	66.0
45%	38.3	54.0	74.3
50%	42.5	60.0	82.5
55%	46.8	66.0	90.8
60%	51.0	72.0	99.0
65%	55.3	78.0	107.3
70%	59.5	84.0	115.5
75%	63.8	90.0	123.8
80%	68.0	96.0	132.0
85%	72.3	102.0	140.3
90%	76.5	108.0	148.5
95%	80.8	114.0	156.8
100%	85.0	120.0	165.0

Step 2

Install a weather tight ½" electrical conduit to the pre-drilled hole on the side of the enclosure.

Slide the neck of the valve through the large hole of the enclosure.



Step 3


Remove the hose clamp from the collar. While steadying the enclosure, fully seat the collar to the neck of the valve. Push down on the collar to keep it flush to the enclosure.

Slide the hose clamp to the bottom of the collar and tighten the clamp.



Step 4

Depending on the actuator to be installed to the valve body, an adapter may be required. In the event an adapter is required, install the brass adapter to the valve and then the stem extension as per the adapter instructions.

Actuator	Code No.	Required Adapter	
AME 25 series	082H3075 (SU)	003Z0694	
	082H3038 (SD)		
AME 435QM	082H0171	None required	
AMV 435	082H0162		

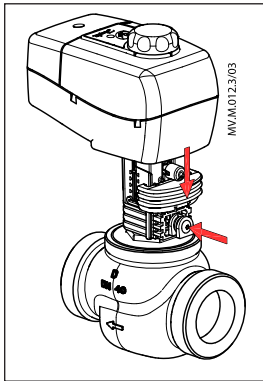


Step 5

Pull the wire through the conduit fitting and provide enough slack to allow for the removal of the actuator from the weatherproof enclosure. Based upon the actuator's installation instructions pre-wire the the actuator. Do not power the actuator prior to mounting to the valve.

Step 6a (AME435QM or AMV435 series)

Slide the actuator onto the valve with the longer portion of the actuator pointing towards the electrical conduit. Follow the installation procedures to mount the actuator to the valve.



Step 7

Power the actuator and confirm the initial commissioning of the actuator to the valve. The actuator will cycle full open to close as it learns the required stem travel distance.

Step 8

Align the enclosure's cover and tighten the 4 screws of the enclosure. Make sure the cover makes contact to the gasket when tightening.



Step 6b (AME25 SU/SD series)

With a 4mm Allen, loosen the base of the actuator to accommodate the actuator to the adapter. Fully seat the AME25 series actuator to the valve and tighten the screws.

If the valve stem impedes the seating of the actuator, either raise or lower the stem or insert it within the actuator stem clamp.

