

Installation instructions

WP37 Weatherproof Enclosures for 1/2" to 1 1/4" AB-QM Valves

The WP37 weatherproof enclosure is designed specifically for 1/2" to 1 1/4" AB-QM valve bodies mounted with the AMI 140, AME 110NL and the AMV 110NL motorized actuators.

Enclosed:

- | | |
|-------------------------------|----------------------|
| (1) Galvanized clamp | (2) 3/8" wide gasket |
| (2) #8 Stainless steel screws | (1) 3/4" wide gasket |
| (2) L brackets | (4) Enclosure screws |

Required:

- (1) Weather tight 1/2" electrical conduit



Step 1

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

Step 2

Determine which of the two electrical knock outs will be used to wire the actuator. The photo below reflects the completed assembly of the weatherproof enclosure.

Knock-out the appropriate hole and install a weather tight 1/2" electrical conduit.



Step 3

Apply the 3/4" wide gasket to the neck of the valve, placing the edge of the gasket below the grey adjustment ring.



Step 4

Install the L bracket to the enclosure as seen below.



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- Step 5**
Place the adjustment knob of the actuator through the bottom of the enclosure.
- Step 8**
Orient the shorter portion of the actuator and enclosure toward the outlet of the valve. Tighten the actuator to the valve.



- Step 6**
Align and press a single 3/8" wide gasket to the upper portion of the adjustment nut of the actuator.
- Step 9**
Rotate the L brackets 90 degrees towards the outlet of the valve.



- Step 7**
If any necessary actuator adapter is required for the mounting of the motor actuator, install the adapter to the valve. (Refer to adapter installation instructions)

<i>Actuator</i>	<i>Code No.</i>	<i>Required Adapter</i>
AMI 140	082H8048	003Z0257
AME 110NL	082H8056	None
AMV 110NL	082H8057	None

- Step 10**
Disassemble the clamp assembly and place the curved half below the grey adjustment ring. The curved half should point to the outlet side of the valve body.



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Step 11

Install the L bracket in between the clamp assembly.



Step 15

Tighten the cover to the enclosure. Confirm that the silicone gasket is in full contact



Step 12

Wire the motor actuator according to the actuator installation instructions. (Refer to actuator instructions)

Step 13

Pre-install the 4 cover screws to the cover of the enclosure.

Step 14

Looking onto the other side of the cover, identify the shorter length of the silicone gasket. Align this side of the cover to the side of the enclosure with the knockout electrical conduit.

