



Badger Meter Europa

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Installation tips ReCo® valves

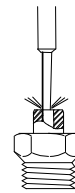
Dear customer,

Congratulations on your purchase of an excellent control valve. Great care has been taken in the design and manufacture of your valve as per current quality directives. As with any fine instrument, care must be taken in the installation of the valve. Your particular valve may be of special design and may require special information; however, these tips cover several points of concern with all models.

1. All valves with actuator, regardless of size, should be supported (especially those with positioners or accessories) to reduce vibration or shock.
2. Some form of pipe thread sealant should be used; however, we do not recommend the use of Teflon or film tapes on valves fitted with trim size "K" or smaller, as small pieces of the tape may plug the extremely small innervalve clearances. Also, sealing past with metallic particles should not be used.
3. Use a wrench on the hex or flat part of the body to tighten the end fittings. Never use the actuator for leverage in tightening.
4. The packing has been tested at the factory; however, if adjustments are necessary, take care to not overtighten the gland nut. It should be tightened only enough to stop leakage. Overtightening can cause packing damage or excess stem drag.
5. Filtration is beneficial on small innervalves since they can plug from particles or debris in the flow stream. Factory personnel can assist in choosing the proper filter size.
6. If the air connections on the actuator are not oriented to suit your piping system, be sure to apply air to the actuator and raise the trim off the seat before re-orienting, as rotating the plug on the seat can damage the trim. (This procedure is not necessary on the Fail-Open models). If re-orientation of the actuator on a bellows-type valve is required, consult the factory for instructions. The stem of the bellows is fixed, and rotation will damage the bellows.

7. Do not use Teflon tape on the air connections of a positioner as small pieces of tape could block the pilot spool and cause malfunction. Do not overtighten the air fittings of the positioner or actuator. Overtightening can crack the aluminum housing. The fittings need only to be snug.

8. The actuator has been adjusted to open at approximately 0.24 bar on ATO models and close at approximately 0.96 bar on ATC models. Any excess air pressure on the ATO models could cause the valve to over-stroke and cause damage to small trims. On ATC models this could cause damage due to over stress on the trim at the seat. All standard actuator diaphragms are rated at 2.4 bar. If adjustments are needed they should be made with no pressure on the diaphragm. (BLRA & TLDA Positioners are set with 4.2 bar supply pressure).



Each shipment should be delivered with a multilingual manual. If the manual is lost you can contact your local distributor to get a replacement. For technical assistance you can also contact our central office in Neuffen (Germany).

