



December 2021

## RegO® Field Topics

### Pneumatic Actuators for Internal & Emergency Shut-off Valves

**Field Topics** are intended to provide useful information to the network of authorized LP-Gas and Anhydrous Ammonia distributors regarding the proper use of RegO® products.

**Warning Bulletins** covering many of the hazards involved are available from RegO for more detailed information. These bulletins can be found in our **L-500, L-102 and NH3-102** catalogs. Neither the Field Topic nor the Warning Bulletins are intended to conflict with federal, state, or local ordinances and/or regulations, which should be observed at all times. This information also is not intended to be a substitute for or to supplement any training in the safe handling and use of propane and related equipment, as required by any applicable law. By providing this material, ECI assumes no responsibility for providing any such training. Only individuals properly trained in the safe handling and use of propane and related equipment should be permitted to do so, and by providing this information, ECI does not assume responsibility for providing such training.

For more information on LP Gas system requirements, refer to Liquefied Petroleum Gas Code (NFPA 58), National Fuel Gas Code (NFPA 54), National Propane Gas Association Safety Handbook, the RegO LP-Gas Serviceman's Manual L-545, RegO catalogs L-500/L-102/NH3-102, ANSI K61.1 Safety Requirements for Storage and Handling of Anhydrous Ammonia, as well as any applicable local codes and ordinances.

### Pneumatic Actuators for Internal & Emergency Shut-off Valves

During the selection process of a RegO internal valve and/or Emergency shut-off valve actuators must be ordered separately for pneumatic, cable or electric systems.

Pneumatic actuators can be operated using a source of nitrogen, compressed air or propane vapor. When using propane vapor as a source, it is important to install so there is no result of condensation of the LP-Gas vapor. Additionally, if you are experiencing low temperatures and conditions, the vapor pressure in the container must meet the minimum operating pressure of the pneumatic actuator. When using compressed air as a source it is important to install with a means to prevent excessive moisture. Excessive moisture in a pneumatic system could cause freezing and corrosion which could, in turn, prevent the proper operation of the actuator.

To properly install a pneumatic system, it is important to be aware of the minimum and maximum operating pressures of each actuator in the system. The chart below is to help as a guide to selecting the proper pneumatic actuator and supply pressure needed for your system.



Pneumatic Actuator	For use with	Style	Minimum Operating Pressure	Maximum Operating Pressure
<b>Emergency Shutoff Valves</b>				
6016RA	A6010, VA6010, FA6010, FVA6010, A6016, VA6016, FA6016, FVA6016, A6024, VA6024, FA6024 & FVA6024	Rotary Actuator	25	50
6016-60C	A6010, VA6010, A6016, VA6016, FA6016, FVA6016, A6024, VA6024, FA6024 & FVA6024	Air Stroke	25	50
6016-60D	A6010, VA6010, FA6010, FVA6010, A6016, VA6016, FA6016, FVA6016, A6024, VA6024, FA6024 & FVA6024	Pneumatic release	40	50
FA6016-60D	FA6010, FVA6010, FA6016, FVA6016, FA6024 & FVA6024	Pneumatic release	40	50
<b>Internal Valves</b>				
A3209PA	A3209D/DT series	Pneumatic release	60	250
A3209PAF	A3209D/DT series & A3211D series	Air Stroke	50	125
A3212PA	A3212A series	Air Stroke	40	100
A3212RA	A3212R/RT series	Rotary Actuator	25	125
A3213RA	A3213D/DT series, A3213R/RT series, A3213A series & A3213T Series	Rotary Actuator	25	125
A3213PA	A3213D/DT series, A3212R/RT series, A3213A series & A3213T Series	Air Stroke	35	100
A3217RA	A317AR/DAR series	Rotary Actuator	45	150
A3217LA	A317AL/DAL series	Rotary Actuator	45	150
A3217FPA	A3217F series	Air Stroke	50	150
A3217ARPA	A317AR/DAR series	Air Stroke	50	150
A3217ALPA	A317AL/DAL series	Air Stroke	50	150
A3219RA	A3219FA series	Rotary Actuator	45	125
A3219FPA	A3219FA series	Air Stroke	50	150
A7853PA	Flomatic 3-way valve	Pneumatic release	50	150
A7853PAF	Flomatic 3-way valve	Air Stroke	50	125
A7853PAL	Flomatic 3-way valve	Air Stroke	50	125

Should you have any questions or concerns, please contact me.

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