June 2021

RegO® Field Topics

Thermal Protection on 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 or 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.

Thermal Protection on Internal & Emergency Shut-off Valves

Thermal protection is provided at your Internal Valve and Emergency Shut-off valve thru a thermal element provided on the actuator, latch, or cable control accessories. The melting point of the thermal devices are required to have a rated melting point (actuation point) not to exceed 250°F per UL 125. RegO® thermal devices have a melting point of 212°F for fire protection.

Thermal elements on pneumatic and rotary actuators are provided thru a fuse plug. The fuse plug will release the pressure in the pneumatic system causing the valve to close. Additional fuse plugs can be added to the pneumatic system for additional protection. Electric actuators are fitted with a fusible link allowing the valve to close once melted. For cable systems, a fusible link is used in the actuator assembly of the ESV and fitted on the lever of the internal valve. An additional fusible link is provided at the cable control assembly. For manual operation of an internal valve a thermal latch is used to release the handle assembly.

During routine maintenance of your system the thermal elements should be inspected. If paint has been found on the elements the paint must be removed. This is noted in NFPA 58 2020 6.13.3.3 and NFPA 58 2020 6.14.7. The thermal elements must be exposed to the environment. Paint could prevent the thermal element from melting at its desired temperature rating.

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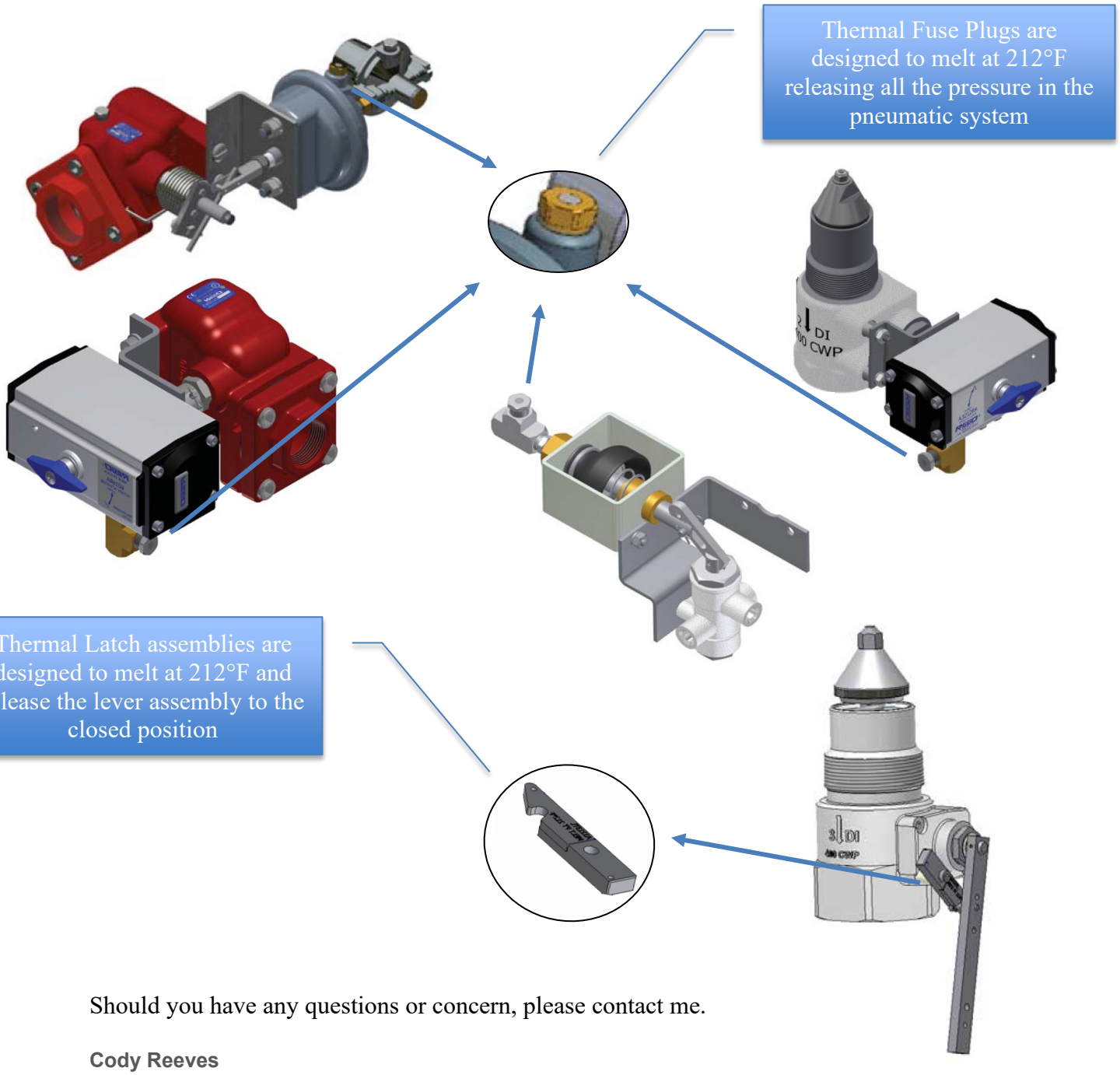

Should you have any questions or concern, please contact me.

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