

VALVE ACTUATOR ASSEMBLY - GCA

DESCRIPTION

The Valve Actuator Assembly - GCA provides the necessary pressure to:

- open all Fike containers utilizing a Fike fast acting single rupture disc assembly
- close Fike's fast acting isolation valves

The Valve Actuator Assembly - GCA consists of a 17-4 PH series stainless steel body containing two sets of bridge wires. This device is designed to operate by electrical input from a Fike system controller. Operation of the Valve Actuator Assembly - GCA occurs when the electric current is sent through the bridge wires causing an exothermic chemical reaction. This generates the necessary pressure to open the rupture disc and discharge the suppressant agent or pneumatically drive the gate closed on the isolation valves.

FEATURES AND BENEFITS

- Faster reaction time than conventional system utilizing detonators
- Enhanced system reliability and design flexibility
- Redundant set of bridge wires and hermetic seal
- Up to 10 times longer service life than detonators. Handling, storage, shipping and disposal is easier than a Class "B" explosive
- Non-Regulated shipping classification

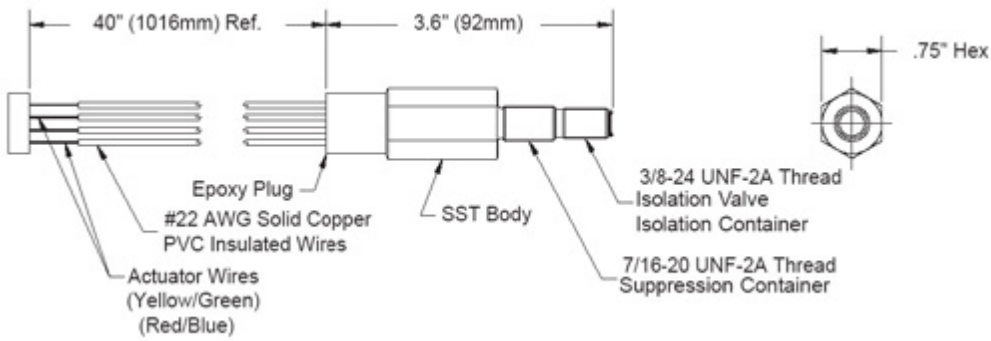
SPECIFICATIONS

Operating Temperature:	-40 to 140°F (-40 to +60°C)
Handling/Storage:	The U.S. Bureau of Alcohol, Tobacco, and Firearms classify the Valve Actuator Assembly - GCA as a special device under 27 CFR 55.32. As such, the device is exempt from the licensing and storage requirements contained in the Federal explosives regulations.
Shelf Life:	The Valve Actuator Assembly - GCA is a sealed device utilizing a glass seal and epoxy plug on the wire end and a Mylar seal on the discharge end. This extends the actuator's continuous service and shelf life to 10 years before it requires replacement.
Shipping Classification:	The Valve Actuator Assembly - GCA shipped in the steel canister package can be shipped domestically and internationally as non regulated and without restrictions according to the DOT Federal Code 49 CFR 173.56, Title 49 - Classification Codes and Compatibility Groups of Explosives. Tariff Code: 8424.90.9500



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P/N 02-4134

VALVE ACTUATOR ASSEMBLY DETAILS



CONNECTION DIAGRAM

