

# Wet Chemical

## Pneumatic Release Package 35 PSI (241 kPA) Operating Pressure



A UTC Fire & Security Company

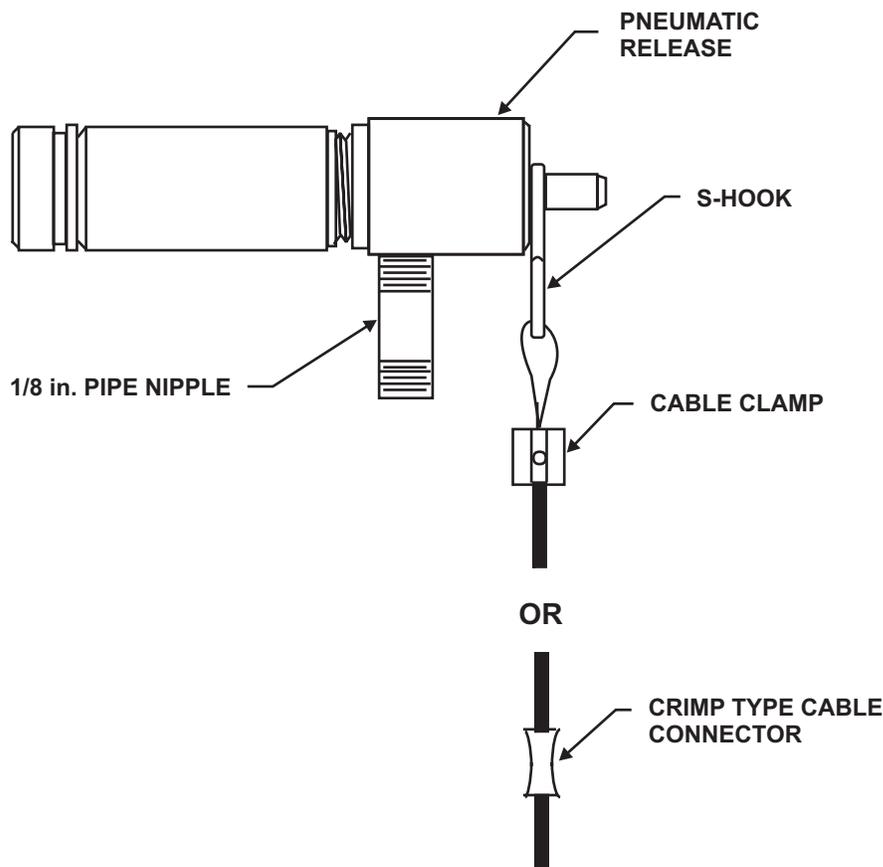
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### DESCRIPTION

The Pneumatic Release can be used to release the stem of a spring-loaded gas shutoff valve. When a system discharges, pressure on the piston within the Pneumatic Release causes the piston to move, thereby retracting a normally protruding pin. The pin is used as a support for a cable linkage to the gas valve stem. Retraction of the pin removes support for the linkage allowing it to pull away, thus releasing the valve stem which now moves to the closed position under the force of the valve closing spring. The Pneumatic Release is screwed on the upper end of a 12-inch (305 mm) vertical riser of black pipe to 1/8-inch pipe using a pipe reducer from vertical pipe size to 1/8-inch NPT to accommodate the pneumatic connection.

The 12-inch (305 mm) vertical riser is fastened to a tee which may be located wherever convenient in the discharge pipe. The purpose of the riser is to provide an air cushion during discharge preventing the entrance of wet chemical into the Pneumatic Release. A maximum of thirty releases may be installed on a single system.



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