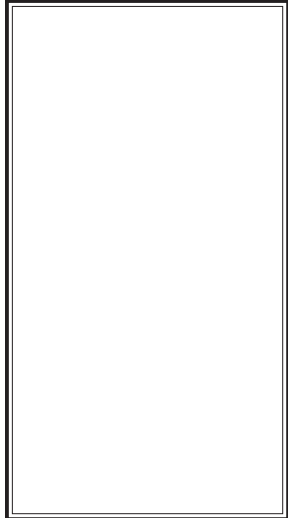


Marine Suppression Systems

Architect and Engineering Specification



DESCRIPTION

Fike Series N70 Clean Agent Containers are used in fire extinguishing systems to store the Clean Agent until a fire develops and the agent must be released. The Clean Agent is retained in the container by a valve assembly which contains a fast acting rupture disc. The disc will be ruptured, and the Clean Agent released, through two methods: (1) Operation of a mechanical manual actuator; (2) When the contained Clean Agent reaches an internal temperature range of 160°F to 187°F (71.1°C to 86.1°C), it will create sufficient internal pressure to burst the rupture disc and release the Clean Agent.

Fike Series N70 Clean Agent Containers have passed extensive testing by Factory Mutual and are used in installations where 123 to 1002 pounds (55.5 to 454.5 kg) of Clean Agent are required. To eliminate the need of multiple containers, or using more Clean Agent than necessary, these containers can be filled in 1 pound (.5kg) increments to their maximum capacity. The Clean Agent used in these containers has a natural vapor pressure of 66.4 psig (458 kPa) at 77°F (25°C) and is super-pressurized with dry nitrogen to 360 psig (2482 kPa), at 70°F (21°C), to provide a quick and effective discharge in 10 seconds, or less.

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USCG - 162.161/2/0

Fike Series N70 Clean Agent Containers are supplied with a pressure gauge that permits a quick, visual, inspection of container pressure. Optional items include a Liquid Level Indicator, and a Low Pressure Supervisory Switch. The Liquid Level indicator provides the convenience of determining the container's agent weight without removing it from its installed location. The Low Pressure Supervisory Switch provides constant monitoring of the container's internal pressure. It is available in two styles; normally opened and normally closed contacts. In the event of a decrease in container internal pressure from 360 psig to 272 psig (2482.1kPa to 1875.4kPa), the Supervisory Switch normally opened/closed contacts will close/open. This will cause a supervisory trouble alarm at the system control panel.

Fike Series N70 Clean Agent Containers must be installed in the upright positions. The mounting location of the container is quite flexible. It can be mounted at the exact point of discharge or at a remote location by adding distribution piping from the container to the nozzle system. (Refer to the Fike Design, Installation & Maintenance Manual - P/N 06-210). The operating temperature range is +32°F to +130°F (0°C to 54.4°C) in any installation.

The Fike Series N70 Clean Agent Containers can be used in a pre-engineered system, utilizing a balanced piping configuration(s); an engineered system, utilizing unbalanced piping configurations, or a combination of both designs. For assistance, consult your local Fike Distributor or Fike Protection Systems.

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