FIRERASER® VALVE ASSEMBLY

Data Sheet

DESCRIPTION

All Fireraser clean agent containers come equipped with a balanced pressure valve that can be operated pneumatically, manually or electrically. The valve retains the agent in the container under pressure until it is released to put out a fire. The valve is suitable for use with either HFC-125 or HFC-227ea and is used on the full range of Fireraser containers from the 5-pound (2-liter) container to the 35-pound (15-liter) container.

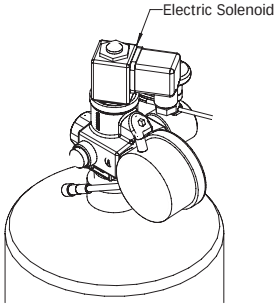
In accordance with DOT requirements, each valve/container assembly is shipped from the factory fitted with an anti-recoil device installed on the discharge valve outlet. The recoil cap (P/N: 70-1968) ensures the contents of the pressurized container will be released in a slow, controlled manner if the valve is inadvertently opened during the shipping and handling process.

Each valve is equipped with a pressure gauge (HFC-125 P/N: 02-11618 or HFC-227ea P/N: 02-11617) which provides visual monitoring of the pressure in the container. A pressure gauge/switch (HFC-125 P/N: 02-11502 or HFC-227ea P/N: 02-11501) may also be used to provide visual pressure monitoring at the container as well as continuous cylinder pressure monitoring at the control panel (if used).

CONFIGURATION OPTIONS

Electric (Automatic) Actuation

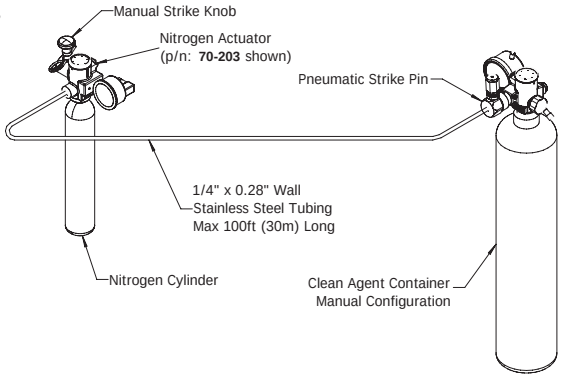
When ordered with an automatic actuation package (HFC-125 P/N 70-209 or HFC-227ea P/N: 70-208) the valve will come equipped with an electric solenoid. Upon receiving a signal from the SHP-Pro control panel, included in the automatic actuation kit, the solenoid will open the valve, releasing the agent into the protected space. Manual activation can still be achieved via the manual strike knob.



Manual Actuation (Local and Remote)

Systems that do not utilize the automatic actuation package will not have an electric solenoid. These systems are operated either at the container, by pushing down the strike knob, or they are operated remotely through the use of a nitrogen-charged pneumatic actuator.

When the nitrogen actuator is used for remote manual actuation, the strike knob on the valve is replaced with a pneumatic strike pin. The pneumatic strike pin is then connected to the nitrogen actuator via ¼" stainless steel tubing or the braided steel hose supplied with the actuator. In the event of a fire, the strike knob on the nitrogen actuator is pushed down, releasing nitrogen pressure through the tubing to the clean agent container valve and releasing the clean agent from the container.



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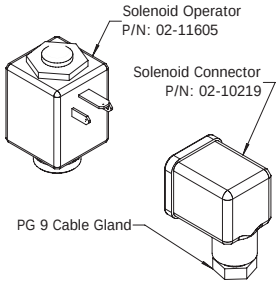
SPECIFICATIONS

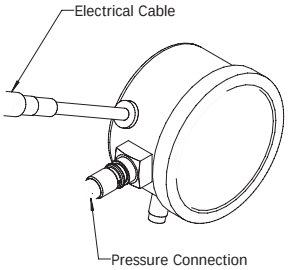
Electric Solenoid

Supply Voltage:	24 VDC (14.5W)
Maximum Signal Duration:	2 seconds
Maximum Supervision Current:	10mA
Minimum Fire Current:	0.6 Amp
Electrical Connection:	DIN 43650
Operating Temperature Range:	32°F to +122°F (0°C to +50°C)
Connector Type:	DIN 43650-A
Cable Gland:	PG 9

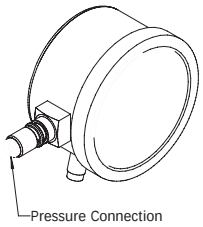


Pressure Gauge/Switch

Nominal Size:	63 mm
Pressure Range:	0 - 60 bar
Temperature Limits:	32°F to +130°F (0°C to +54°C)
Contact Type:	Gold Plated - SPDT
Contact Rating:	0.1A / 30 VDC
Switch Setting:	NO <288 psi (19.9 bar) Decreasing
Electrical Connection:	M8x1 Female Plug w/ 1.3' (.4m) Cable
Pressure Connection:	M10x1 special



Pressure Gauge/Switch Assembly



Pressure Gauge without Switch