

PRESSURE GAUGE FOR HFC-227ea

DESCRIPTION

All Fike Clean Agent Fire Suppression containers with HFC-227ea agent are provided with a pressure gauge (P/N 02-3594) to indicate the internal container pressure.

The pressure gauge scale is calibrated to show the actual pressure and is color-coded to show operating range, under-pressure range, and over-pressure range.

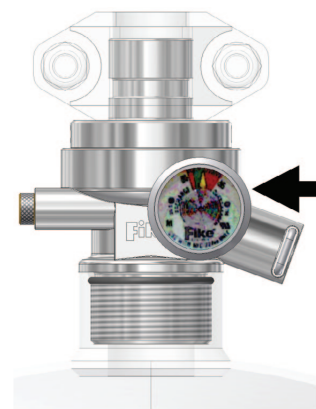
This gauge can be removed/replaced on a charged container without removing the agent first. This port works by allowing a small controlled amount of leakage past its internal threads. This provides enough flow to operate the pressure gauge while being small enough to allow the gauge to be removed safely.

INSTALLATION

The pressure gauge is installed on the container at the factory before the container is filled/shipped. The container pressure is checked as a part of the installation procedure. The gauge should read 360 psig at 70°F (24.8 bar at 21°C). For temperatures other than 70°F (21°C), reference Temperature vs. Pressure Chart.

TEMPERATURE VS. PRESSURE CHART

US Standard		Metric	
Temperature (°F)	Pressure (psig)	Temperature (°C)	Pressure (bar)
32	288	0	19.9
40	303	4	20.9
50	321	10	22.1
60	340	16	23.4
70	360	21	24.8
80	381	27	26.2
90	402	32	27.7
100	425	38	29.3
110	449	43	31.0
120	475	49	32.8
130	502	54	34.6



APPROVALS:

- UL Listed
- ULC Listed
- FM Approved



REPLACEMENT PROCEDURE

The following procedure is used to replace the pressure gauge on a charged container.

Caution: When replacing a pressure gauge, do not allow the pressure port to remain open (disconnected) for an extended period of time. A significant quantity of agent could be lost from the container.

Step	Procedure
1	Place Teflon® tape on the male thread connection of the replacement pressure gauge(s). DO NOT overlap the end of the connection - the first thread should be uncovered.
2	Remove the old pressure gauge.
3	Install the new pressure gauge.
4	Check the assembly for leaks using a suitable leak test device.

Note: Refer to the Recharge Manual for recommendations and leak test procedures.



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