

Description

The cooler indicator gauge, or sometimes called the Vortex indicator gauge, is used on systems where there is cooling required after purging. Normally after the purging cycle, there is a small flow of protective gas required to compensate for leakages, and to keep a constant pressure within the enclosure so that the ingress of hazardous atmosphere cannot get inside the enclosure. This is known as pressurization. If the equipment inside the pressurized enclosure requires cooling, either a higher flow rate of protective gas is required through the pressurization valve, or a second source of cooling gas is introduced into the enclosure. The standard differential pressure gauge will indicate pressurization only up to 0.5 inches (13mm) water, which may not be enough for cooling indication. The cooler indicator gauge is installed onto the pressurization/purge panel, and allows monitoring of the system during normal operation of the purge/pressurization system.

Cooler Indicator Gauge



Cooler Indicator Gauge
(Vortex Indicator Gauge)

Special Note

WHEN ORDERING PURGE/PRESSURIZATION UNITS EQUIPPED WITH A COOLER INDICATION GAUGE, SPECIFY 'VX' IN THE MODEL NUMBER DESIGNATION.

Specifications

OPERATING RANGE

Full range:	0 to 5 " water, (0 to 127mm water)
Low range red:	0 to 0.5 " water, (0 to 13mm water)
Safe range green:	0.5 to 1.5 " water, (13 to 38mm water)
Cooler/Rapid exchange range yellow:	1.5 to 4.5 " water, (38 to 114mm water)
High range red:	4.5 to 5 " water, (114 to 127mm water)

BODY COMPONENTS

Cover:	acrylic
Housing:	die cast aluminum coated to withstand 168 hour salt spray corrosion test

TECHNICAL DATA

Maximum overload pressure:	15 psig
Accuracy:	± 2% of full scale
Weight:	1.2 lb (510 g)
Process connection:	1/8" Female NPT duplicate high and low pressure taps, one pair side, one pair back