

PROINERT®2 CYLINDER AND VALVE



Description

Fike ProInert®2 cylinders are 80 liter steel pressure vessels designed to hold the IG-55 agent under pressure until discharged. A label is mounted to each cylinder displaying the charge pressure, gross weight, tare weight, agent weight, year of manufacture and fill location. A protective shipping cap is provided with each cylinder. The cap entirely encloses and protects the valve during shipment and handling. Once removed, the cap should be stored in a suitable area for future use.

The cylinders may be utilized in single or multiple cylinder applications as needed and are linked together through a common discharge manifold. The cylinders shall be secured using a suitable racking arrangement.

Specifications

Part Number	IG71-103-200-55 (200 bar)
	IG71-103-300-55 (300 bar)
Cylinder Size	80 Liter (water capacity)
Height	67.60 in. (1717 mm)
Width	11.25 in. (285.8 mm)
Gross Weight	300 lbs. (136.2 kg.) ± @ 200 bar
	322 lbs. (146.2 kg.) ± @ 300 bar
Tare Weight	250 lbs. (113.4 kg.) ±
Mounting	Upright only
Cylinder Specification	EN ISO 9809-2 (UN) TPED 1999/36/EC
Cylinder Pressure	2,900 psi @ 60°F (200 bar @ 15°C)
	4,351 psi @ 60°F (300 bar @ 15°C)
Cylinder Storage Temp.	-4°F to +120°F (-20°C to +49°C)
Agent Capacity	572.3 ft ³ (16.2 m ³) @ 200 bar
	823.0 ft ³ (23.3 m ³) @ 300 bar
Color	Red

Approvals

- Underwriters Laboratories (UL)
- Underwriters Laboratories of Canada (ULC)
- Factory Mutual (FM)

For exact certification listings, please reference the respective agency web site.

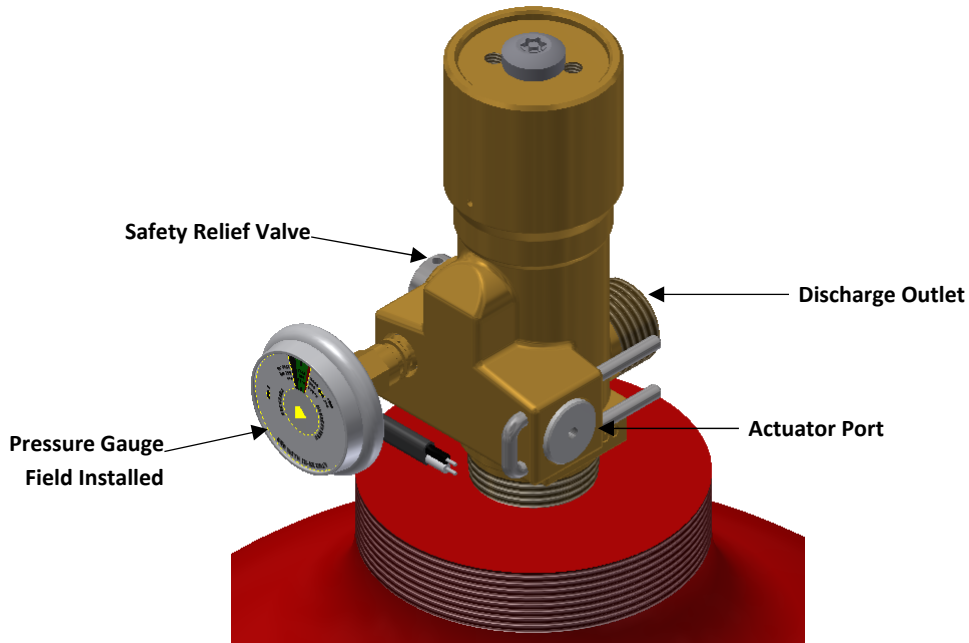
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Discharge Valve Assembly

The ProInert discharge valve assembly is a self-regulating valve that allows the extinguishing agent to be released from the cylinder at a constant outlet pressure of 645 psi (44.5 bar) with a free flow area of 0.47 inches (12 mm) in diameter. The valve design eliminates the need for a pressure reducing orifice plate.

The valve assembly is available in a 200 bar (2,900 psi) model and a 300 bar (4,351 psi) model. The valve has a forged brass body and is equipped with a safety relief disc that will rupture in an overpressure condition.

The valve can be actuated electrically, pneumatically, or manually with approved valve completer kits that must be specified when ordering. Refer to data sheet C.1.93.01.



Cylinder Discharge Valve Assembly

WARNING: Shipping Cap must be in place when moving, weighing or transporting a filled or empty cylinder. Failure to do so may result in death, injury and/or property damage.

ORDERING FORMAT FOR CYLINDER ASSEMBLY

When placing an order for a cylinder assembly, you MUST specify the following in addition to the basic part number:

IG71 – 103 – XXX – 55

 └──┬──┘
 └──┬──┘ IG-55 Agent
 └──┬──┘ System Pressure (200/300 bar)

For example:

For an 80L Cylinder at 200 bar with IG-55 Agent, order P/N is IG71-103-**200**-55.

For an 80L Cylinder at 300 bar with IG-55 Agent, order P/N is IG71-103-**300**-55.

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