

PROINERT®² IG-541 CYLINDER



Description

The Fike ProInert cylinders are 80 liter steel pressure vessels designed to hold the 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 an 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	IG71-103-200-541 (200 bar)
	IG71-103-300-541 (300 bar)
Cylinder Size	80 Liter (water capacity)
Cylinder Specification	EN ISO 9809-2 (UN) TPED 1999/36/EC
Color	Signal Red
Height	67.60 in. (1717 mm)
Diameter	11.25 in. (285.8 mm)
Mounting	Upright only
Storage Temp.	-4°F to +120°F (-20°C to +49°C)
Charge Pressure	2,901 psi @ 59°F (200 bar @ 15°C)
	4,351 psi @ 59°F (300 bar @ 15°C)
Tare Weight	248 lbs. (112.5 kg.)
Agent Weight	53 lbs. (24 kg.) @ 200 bar
	73 lbs. (33 kg.) @ 300 bar
Gross Weight	301 lbs. (136.4 kg.) @ 200 bar
	321 lbs. (145.5 kg.) @ 300 bar
Agent Capacity	598.6 ft ³ (17.0 m ³) @ 200 bar
	856.4 ft ³ (24.3 m ³) @ 300 bar

Approvals

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

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

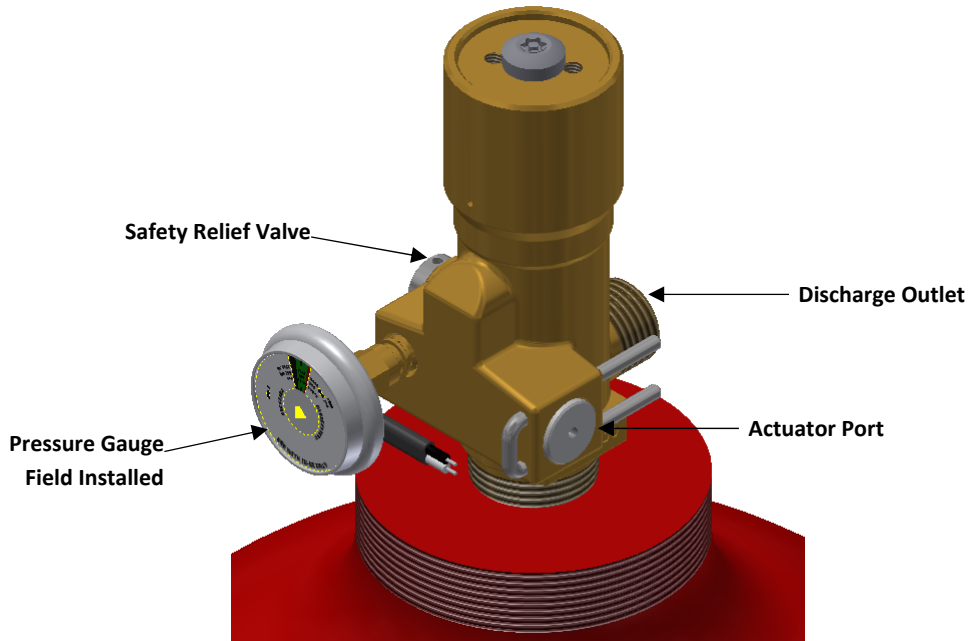
This document is only intended to be a guideline and is not applicable to all situations. Information is subject to Fike's full disclaimer at <http://www.fike.com/disclaimer>.

Discharge Valve Assembly

The Prolnert 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 (2,901 psi) model and a 300-bar (4,351 psi) model. The valve has a forged brass body and 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.1.130.01.



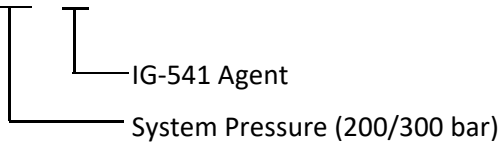
Cylinder Discharge Valve Assembly

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** – **541**



For example:

For an 80L Cylinder at 200 bar with IG-541 Agent, order P/N is IG71-103-**200**-541.

For an 80L Cylinder at 300 bar with IG-541 Agent, order P/N is IG71-103-**300**-541.

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