

PROINERT® AGENT STORAGE CYLINDER – IG-01

DESCRIPTION

The agent storage cylinder is a steel pressure vessel designed to hold the IG-01 (Argon) agent under pressure until it is discharged. The IG-01 (Argon) Cylinder assembly is offered in an 80 liter size and filled to a pressure of 200 bar. The cylinders may be utilized in single or multiple cylinder applications as needed and linked together through a common discharge manifold. Upon installation, the cylinders shall be secured using a suitable racking arrangement. Cylinders are shipped from the factory with a protective shipping cap.

Each cylinder is fitted with a ProInert valve assembly. The ProInert valve assembly is a pressure-controlled outlet valve designed to provide an outlet pressure of 645 psi (44.5 bar). Each valve is equipped with a safety relief disc that will burst if the cylinder pressure exceeds the rating of the rupture disc. The rupture disc is set to relieve at below the cylinder test pressure.



SPECIFICATIONS

CYLINDER ASSEMBLY SPECIFICATIONS			
Cylinder Size	Height in (mm)	Diameter in (mm)	Mounting Position
80 Liter (water capacity)	67.60 (1717.0)	11.25 (285.8)	Upright
Cylinder Part Number		E70-077	
Cylinder Pressurization Level		2,900 psi at 59 °F (200 bar at 15 °C)	
Cylinder Storage Temperature Limits		-4 °F to +120 °F (-20 °C to +49 °C)	
Agent Capacity		604 ft ³ (17.1 m ³)	
Cylinder Rating		EN ISO 9809-2 & TPED 1999/36/EC	
Cylinder Actuation Methods		Electric – UVO (Input from Control Panel)	
		Manual – UVO Red Knob	
		Pneumatic – Relay Actuator	
Cylinder Color		Signal Red (RAL 3001)	
Tare Weight		250.0 lbs (113.4 kg) approximate	
Gross Weight		312.4 lbs (141.7 kg) approximate	



ITEMS SUPPLIED WITH CYLINDER

NOTE: The following items are furnished with each Cylinder Assembly		
Item No.	Description	(P/N E70-077)
		Part Number
1	Cylinder	02-10631-2
2	Cylinder I.D. Label	02-14730
3	ProInert Valve Assembly for 200 bar	IG71-001-2
4	Safety/Shipping Cap	02-4829

NOTES:

- 1) Fike Cylinder I.D. Label provides the information that is specific to each cylinder:
Assembly number of the cylinder, Weight information: tare, gross and agent and Installation, operation and safety information.
All cylinders filled either by the factory or by an Approved Initial Fill Station are provided with a nameplate bearing the approval agency markings.
- 2) All cylinders do not have siphon tubes and can be mounted the vertical position.
- 3) The Fike system does NOT require a pressure reducing orifice plate.

