

# Prolnert Discharge Valve Assembly

## GASEOUS SUPPRESSION SYSTEM

### Product Overview

The Prolnert Discharge Valve Assembly is a self-regulating valve that allows the extinguishing agent to be released from the cylinder at a constant pressure. Because pipe pressure and nozzle flow rates remain constant throughout the discharge, small diameter piping can be used throughout the protected space, and the need for installing overpressure relief vents in the room is minimised.

Each cylinder is fitted with a Prolnert Discharge Valve Assembly. The Fike Prolnert Valve Assembly is a pressure regulating outlet valve designed to provide an outlet pressure of 42 bar and a free flow area of 12mm in diameter.

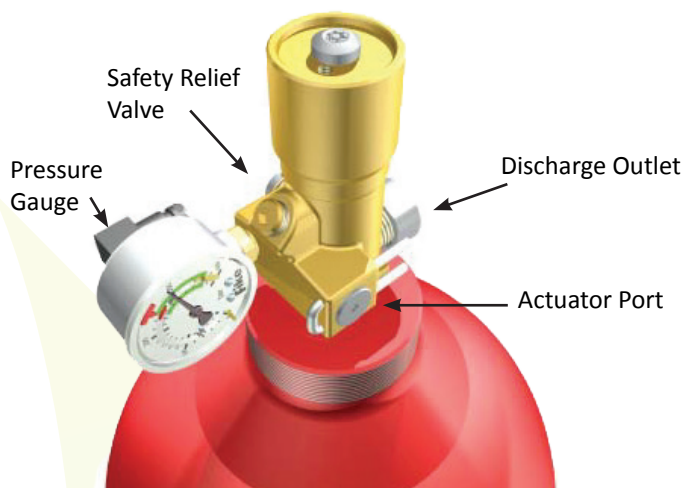
The valve has a forged brass body and is actuated pneumatically. Each valve is equipped with a safety relief disc that will rupture if the cylinder pressure exceeds the rating of the rupture disc. The rupture disc is set to relieve at below the test pressure of the cylinder. Each valve is equipped with a combined pressure gauge and switch, providing visual pressure monitoring, as well as continuous cylinder pressure monitoring at the control panel.

Valve assemblies are connected pneumatically via the pneumatic actuator (IG71-002) inlet and outlet ports, allowing up to 60 cylinders to operate from one master or slave actuation package. The pneumatic valve actuator, which is of a latching type design, requires a minimum triggering pressure of 22 bar and has a maximum working pressure of 165 bar.

**NOTE:** The Fike system does NOT require a pressure reducing orifice plate.

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

The valve assembly is available in a 200 bar model (P/N IG71-001-2) and a 300 bar model (P/N IG71-001-1). The valve has a forged brass body. All threads comply with ISO 7-1, ISO 228-1 and ANSI B2.1. The valve meets the requirements of EN 12094-4 and is LPCB approved.



Cylinder with Discharge Outlet Valve



## APPROVALS

LPCB Approved Certification Number 654a

ActivFire® Listed AFP1768