

# ProInert® Discharge Hose Kit

## GASEOUS SUPPRESSION SYSTEM

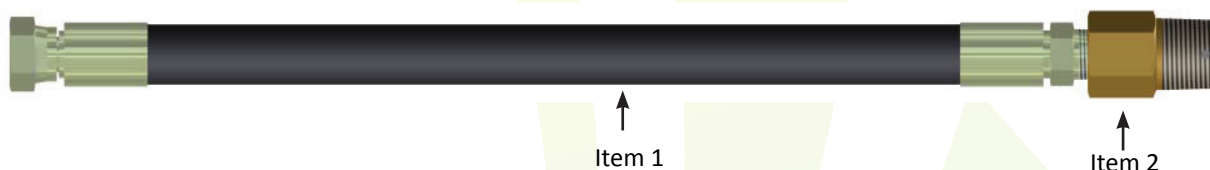
### Product Overview

The Discharge Hose Kit, IG71-003, is used to provide a flexible connection between the ProInert cylinder valve and the discharge piping or the distribution manifold.

The Discharge Hose Kit includes a check valve to provide a safeguard for persons working in the area should the system discharge while a cylinder is removed for service.

The kit includes the Discharge Hose and a Check Valve and provides the connection between the valve outlet and the discharge manifold.

**Kit Part Number:** IG71-003  
**Items Included in Kit:** Item 1 – Flexible Discharge Hose ( P/N 02-10721)  
 Item 2 – Check Valve (P/N IG71-008)



### Flexible Discharge Hose (P/N 02-10721)

One end of the Discharge Hose is connected to the valve outlet, the other end to the check-valve. The entire assembly is then connected to the discharge manifold.

### Check Valve (P/N IG71-008)

A Check Valve is required for each ProInert Cylinder. The Check Valve shall be installed between the outlet end of the Discharge Hose and the distribution manifold. When installed properly, the Check Valve provides a means of preventing back-fl ow of agent through an open discharge hose in the event of an accidental discharge during installation or while a cylinder is removed for service. Each check valve is marked with the part number, working pressure, DN15, fl ow direction and batch number

#### SPECIFICATIONS

<b>Pressure Rating:</b>	350 bar (5,076 psi)
<b>Thread Type:</b>	G $\frac{3}{8}$ - ISO 228-1 (Female Connector w/ Swivel Fitting) R $\frac{3}{8}$ - ISO7-1 (Male Connector)
<b>Overall Length:</b>	520 mm (20.5")

#### APPROVALS

LPCB Certification Number 654a

ActivFire® Listed AFP1768

#### SPECIFICATIONS

<b>Pressure Rating:</b>	366 bar (5,308 psi)
<b>Free Flow Area:</b>	113 mm <sup>2</sup> (0.175 in <sup>2</sup> )
<b>Thread Type:</b>	Rc $\frac{3}{8}$ " - ISO7-1 (Female) R1- ISO7-1 (1" BSPT)(Male)
<b>Overall Length:</b>	60 mm (2.36")

## Installation

### Prolnert Valve Connections

Install the Discharge Hose check valve by threading the 1" BSPT (25mm) male end into the piping or manifold in the location(s) shown on the drawings. Connect the male end of the discharge hose into other end of the check valve, then connect the female end with swivel fitting of discharge hose to the outlet of the discharge valve, and verify that the hose does not have any kinks in it. All connections must be wrench-tight.

The following drawing details the valve to manifold connection for the Prolnert system.

### Discharge Piping Connections

The discharge piping is connected to the discharge valves by a discharge hose and check valve. The check valve utilises 1" BSPT pipe thread to connect to the manifold or piping network. The other end of the check valve has threads that will connect to the discharge hose. The check valve will stop the flow from the other cylinders in the manifold in case the system was to discharge with a cylinder removed.

**NOTE:** When removing a container from a manifold never remove the check valve or the hose from the check valve prior to disconnecting from the valve.

