

PROINERT®² SELECTOR VALVE

DESCRIPTION

Selector Valves allow a single agent supply to be utilized for protection of multiple hazards, reducing the total amount of agent and number of cylinders required.

When utilizing multiple cylinders to protect multiple hazards it is necessary to use Selector Valves to divert the flow of agent into the activated hazard. The selector valves may be activated electronically or manually by pneumatically connecting to the solenoid actuator provided with the selector valve.

Note: Special considerations shall be made when using a selector valve controlled system to protect adjacent hazards that may simultaneously become involved in a fire.

Each Selector Valve is equipped with a Valve Position Monitor that provides a visual indication of the status of the valve (open or closed).

The Selector Valve Assembly can be pneumatically operated by utilizing agent pressure from the fire suppression agent piping network. A Universal Valve Operator (UVO) is installed in the piping network (between the cylinder(s) and the selector valve assembly) to provide pressure to operate selector valve when the UVO is either manually or electrically activated.

For specification details on UVO kit refer to Data Sheet C.1.62.01.

SPECIFICATIONS

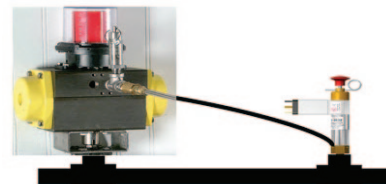
Sizes: 1", 1 1/2", 2", and 3" (25, 40, 50, and 80mm)
 Material: Carbon Steel or Stainless Steel
 End Type: NPT threaded ends (1", 1 1/2", 2", and 3" / 25, 40, 50, and 80mm)
 Actuation Pressure: 116 psi (8 bar) minimum

ORDERING INFORMATION

Selector Valve Assembly includes:

- Selector Valve with Actuator and relief / pop-off valve
- 1/4" Check Valve and 1/4" NPT x 1/4" JIC Adapter
- 1/4" Swivel JIC End Hose Assembly – 3.0' lg.
- Release Fitting w/ 1/4" NPT (Male)
- UVO Kit

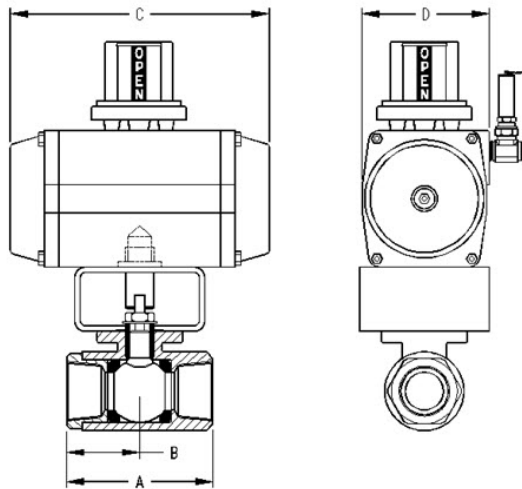
Fike P/N	Description	Thread Size and Type
IG71-233-10-XX	Selector Valve - 1"	1" (25mm) NPT Female
IG71-233-15-XX	Selector Valve - 1 1/2"	1 1/2" (40mm) NPT Female
IG71-233-20-XX	Selector Valve - 2"	2" (50mm) NPT Female
IG71-233-30-XX	Selector Valve - 3"	3" (80mm) NPT Female



APPROVALS:

- FM Approved





Note: Reducing bushings can be utilized when connecting to a ½", ¾", 1 ¼" and 2 ½" piping network. Allow 18" of clearance from the center line of the piping to the top of the indicator.

Fike P/N	Size	A	B	C	D
IG71-233-10-XX	1" (25 mm)	3.37	1.68	7.95	3.34
IG71-233-15-XX	1 1/2" (40 mm)	4.37	2.18	9.05	3.85
IG71-233-20-XX	2" (50 mm)	5.50	2.75	10.66	4.33
IG71-233-30-XX	3" (80 mm)	6.75	3.37	14.17	5.51

The Manifold Safety Disc is used to prevent entrapment of agent in closed sections of pipe. For details refer Component Spec P/N 06-631-1-6.

ORDERING FORMAT FOR SELECTOR VALVE ASSEMBLIES

When placing an order for a Selector Valve Assembly, you MUST specify the following in addition to the basic part number.

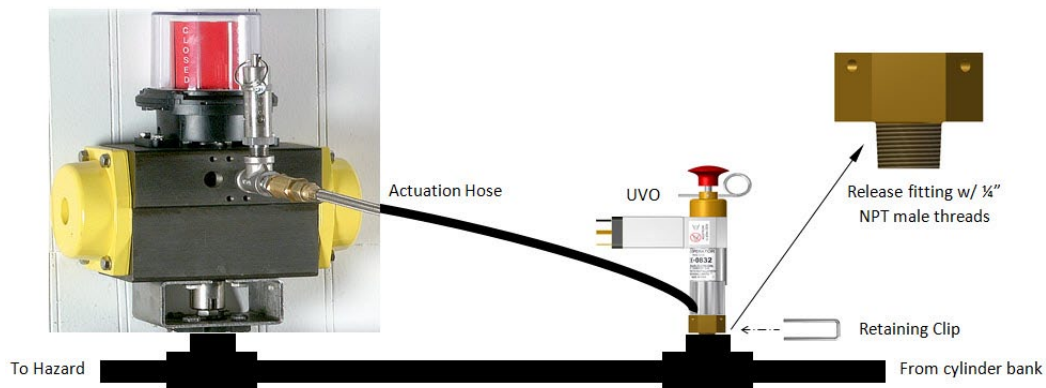
IG71 – 233 – XX – XX
A BC

A = 10 – 1"
15 – 1 ½"
20 – 2"
30 – 3"

B = C – Carbon Steel
S – Stainless Steel

C = D – UVO Kit
V – Valve only (not remote actuator)

INSTALLATION



Install the Selector Valve assembly and a tee for the UVO / Release fitting approx. 1.0 feet apart in the fire suppression agent piping network.

Install Release fitting into side outlet of tee.

Connect one end of the actuation hose (supplied with selector valve assembly) to selector valve assembly and the other to pressure port on UVO.

Insert UVO into Release fitting and secure with Retaining Clip.

Important Note: Check UVO to ensure device is armed before inserting. The UVO should be the last component installed on the Fike Prolnert system. The following items should be completed prior to final installation of the UVO:

- Cylinder installation should be complete and secured in place
- Discharge piping installation should be complete and all bracing, brackets, etc. in place
- The discharge nozzles should be installed
- The detection & control system installation should be complete & tested – no faults shall be present

Example: Selector Valve System with Electric Actuation

