

CO₂ Suppression Systems

Architect and Engineering Specifications



FEATURES

- Stainless Steel & Anodized Aluminum construction
- Handle is lockable in either the open or closed position
- Visual status indicator (Open or Closed) which can be seen from long distances.
- Hazardous rated for Class I, Group C, D and Class II, Group E, F, G
- (2) U.L. Listed SPDT micro switches rated for 5 amps @ 24V DC

DESCRIPTION

Fike stop/maintenance valves are available in sizes ranging from 1/2" (15 mm) to 1 1/2" (40 mm). Stop valves are used for maintenance lock-out purposes to prevent the discharge of CO₂ from the nozzles while the system is being worked on. The valves are equipped with lockable handles that can be locked in either the open or closed position for added security. Lock and key are not included.

The valve is equipped with two direct-drive micro switches which can be tied into the system control panel for the purpose of providing a trouble indication when the valve is closed. A visual indicator is also included to provide a visual reference as to the position of the valve.

The ball valve is a high pressure valve with a stainless steel body and ball, lubetal seats and a Buna-n body seal. The valves are equipped with female NPT connections on each end for piping connections.

The two micro switches are U.L. listed and hazardous rated for Class I, Group C, D and Class II, Group E, F and G installations. Both micro switches are direct driven and can announce a trouble condition to the control panel when the valve is closed. The micro switches are rated for 5 amps @ 24V DC.

INSTALLATION

Fike stop/maintenance valves are provided with female NPT connections on each end for installation onto threaded piping in accordance with NFPA 12. The valve can be installed in either the horizontal or vertical position, with horizontal being the preferred position.

ARCHITECT'S SPECIFICATIONS

The stop/maintenance valve provided shall be a high pressure ball valve with a lockable handle, two micro switches and position indicator. The ball valve, locking handle and associated hardware shall be made of stainless steel materials. The valve seat shall be made of lubetal or equal, to withstand pressures of up to 5,000 psig.

The micro switches shall be an integral part of the stop valve assembly, constructed of stainless steel and anodized aluminum materials. The micro switches shall be U.L. listed and hazardous rated for Class I, Group C, D and Class II, Group E, F, G installations.

A visual status indicator shall be included as part of the overall assembly, to visually indicate the position of the valve.

TECHNICAL SPECIFICATIONS

Part No: Description:

C02-1210 1/2" Stop Valve Assy.
 C02-1211 3/4" Stop Valve Assy.
 C02-1212 1" Stop Valve Assy.
 C02-1213 1 1/2" Stop Valve Assy.

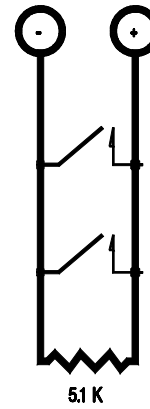
Materials: Body - 316 SST
 Ball - 316 SST
 Locking Kit - 300 SST
 Micro Switch Housing - Anodized
 Aluminum, NEMA 4,4X

Switch Rating: 5 amps @ 24V DC

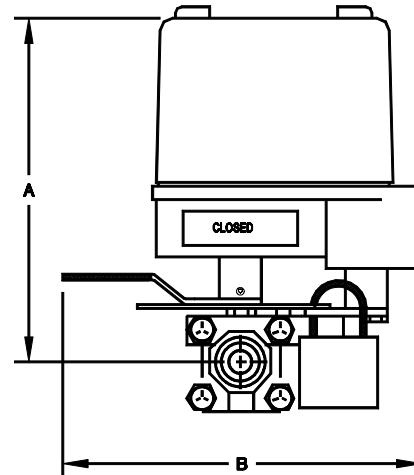
Pressure Rating: 5,000 psi - 1/2" & 3/4"
 4,500 psi - 1"
 4,000 psi - 1 1/2"

Approvals: U.L. - Ex4447
 Factory Mutual
 U.L.C. CEx 1312

**SUPERVISORY
CIRCUIT**



WIRING DIAGRAM



DIMENSIONAL DATA

	<u>DIM "A"</u>	<u>DIM "B"</u>
1/2"	7.50"	4.71"
3/4"	7.59"	4.71"
1"	8.19"	7.28"
1 1/2"	8.88"	9.53"