



SYSTEM

EQUIPMENTS & ACCESSORIES



1" Brass Valve
Brass, ASTM B-16
P/N: OCI 90001



1 1/2" Brass Valve
Brass, ASTM B-16
P/N: OCI 90002



2 1/2" Brass Valve
Brass, ASTM B-16
P/N: OCI 90003



1" Stainless Steel Valve
SS, AISI 304/ 316/ 316L
P/N: OCI 90001-SS



1 1/2" Stainless Steel Valve
SS, AISI 304/ 316/ 316L
P/N: OCI 90002-SS



2 1/2" Stainless Steel Valve
SS, AISI 304/ 316/ 316L
P/N: OCI 90003-SS



4" Stainless Steel Valve
SS, AISI 304/ 316/ 316L
P/N: OCI 90004



Orient Corporation



DESCRIPTION

The electric solenoid valve is a normally closed valve that requires electrical energy to open. It is used to vent the pressure from the top of the piston in the cylinder valve, allowing the piston to slide upward and commence cylinder discharge. The electric solenoid valves are available in 24 VDC. The source of the electrical energy will determine the number and rating of the electric solenoid used. The solenoid circuit must be supervised for a break in the wiring, a ground or a short circuit.

The cylinder discharge valve that is equipped with a solenoid valve is to be connected to a control panel, which is UL listed for releasing devices and is compatible with Orient Fire Suppression equipment.

Connect solenoid pigtails to actuation circuit wires with wire nuts within a junction box or by means designated by the authority having jurisdiction.

Whenever an electric solenoid is used as the sole means of actuation, a top plug must be used to seal the top of the cylinder valve.

Electric Solenoid is added with a tamper indicator as shown in Figure 2 which uses a Zip-tie (Part Number: OCI 70253) around the valve coil and vent solenoid to secured it mechanically. Unless the zip tie is cut, solenoid coil cannot be removed.

The cylinder discharge valve that is equipped with a solenoid valve is to be connected to a control panel, which is UL listed for releasing devices and is compatible with Orient Fire Suppression equipment.

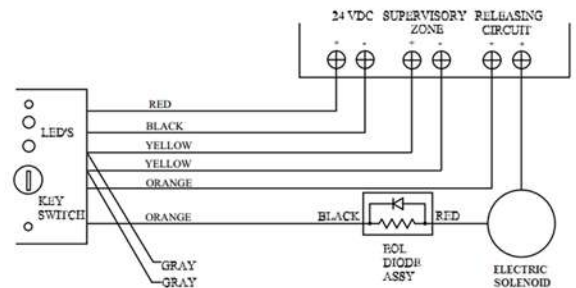
NFPA 2001 (2015 Edition) requirements to avoid unwanted system operation or unwanted discharge of an electrically actuated clean agent system are compulsory to follow.

1. A supervised disconnect switch shall be provided.
2. The disconnect switch shall interrupt the releasing circuit to the suppression system.
3. The disconnect switch shall cause a supervisory signal at the releasing control unit.
4. The disconnect switch shall be located inside a lockable fire alarm control panel inside a lockable fire alarm control panel, inside a lockable enclosure, or require a key for activation of the switch.
5. When the disconnect switch requires a key for activation, the access key shall not be removable while disconnected so the suppression system can be quickly returned to the operational condition in the event of fire.

Electric Solenoid is coupled to the Releasing Circuit Disable Switch (Part Number: OCI 88205).



Figure 2. Electric Solenoid Tamper Seal



Part Number	Description	Electrical Rating
OCI 50025-2	Electric Solenoid	24 VDC, 11 Watts
OCI 50025-2E	Electric Solenoid, Explosion-Proof	24 VDC, 11 Watts
OCI 50025-6	Electric Solenoid	24 VDC, 15 Watts
OCI 50025-6E	Electric Solenoid, Explosion-Proof	24 VDC, 15 Watts
OCI 50025-7L	Electric Solenoid, with LMC	24 VDC, 15 Watts



PRESSURE OPERATED SWITCH (N.C./N.O.) SPDT (MANUAL RESET)

Indicates that the Fire Suppression Agent is being discharged

Engineering and Architect Specifications

The switch is provided to indicate a system discharge and provides electrical contacts for alarm and auxiliary functions. The switch will have form C contacts rated at 15 Amps -125/250 VAC. An external manual reset button shall be provided on the pressure switch. After system actuation, the reset button MUST be depressed in order to reset the device. The switch may also be connected to any points of the discharge piping between the cylinder and nozzle.

Electrical Rating:

15 Amps - 125/250 VAC;

Switch:

SPDT snap action;

Contacts:

- One : Normally Open (N.O.)
- One : Normally Closed (N.C.)



P/N: OCI 50339

PRESSURE OPERATED SWITCH (N.C./N.O.) SPDT (AUTOMATIC RESET)

Indicates that the Fire Suppression Agent is being discharged

Engineering and Architect Specifications.

The switch is provided to indicate a system discharge and provides electrical contacts for alarm and auxiliary function. The switch is best used with an Agent Release Control panel to perform various auxiliary functions. The switch may be connected to "M" port of the Orient cylinder valve or at any points of the discharge piping between the cylinder and nozzle.

Technical Information

Materials	Port-stainless steel. Diaphragm-stainless steel. Seals-Buna-N or Viton. Housing-aluminium
Temperature	-65°F to 280°F
Electrical Rating	5 Amps. Resistive 110 V/250 VAC, 3 Amps. Inductive 28 VDC. SPDT snap-action
Electrical Connection	8" Pigtails
Pressure Connection	1/8" NPT-Male
Dielectric Strength	1000 V RMS
Reset	Automatic



P/N: OCI 50339-A

DESCRIPTION

Indicates pressure loss in cylinder

Engineering and Architect Specifications

The switch is used to monitor the pressure within the Clean Agent cylinder. If a cylinder leak occurs, and its pressure drops to below 291±10 psig, the switch contacts will be activated, providing a signal to the Release Control Panel to indicate loss of pressure and/or leakages. The pressure supervisory switch is wired into a supervised circuit to give a trouble signal upon activation.

Electrical Rating

120 VAC - 5.8FLA, 4.8LRA
 240 VAC - 2.9FLA, 15LRA
 24 VDC - 125VA Pilot Duty
 28 VDC - 2 Amps

Temperature Range

Ambient -20°F to +150°F
 Fluid -65°F to +275°F

Others

Actuation Pressure 360 ± 10 psig
 Release Pressure 291 ± 10 psig



Low Supervisory Switch

The switch is used to monitor the pressure within the Clean Agent cylinder. If a leak is detected, the pressure will drop to below 291 ± 10 psig. As a result, the switch contacts will be activated, providing a signal to the Release Control Panel to indicate loss of pressure and/or leakages. The pressure supervisory switch is wired into a supervised circuit to give a trouble signal upon activation.

Specification

1. Auto-Reset Pressure Switch (SPST)
2. Proof Pressure: 600 psig
3. Burst Pressure: 5000 psig
4. Electrical Ratings:
 - 120/240 VAC - 375 VA
 - 24 VAC - 125 VA
5. Cycle Life: 100,000 Minimum
6. Ambient Temperature: -30 to +70°C
7. Fluid Temperature: -54 to +135°C

Part Number	Description	Operation
OCI 50138-5	240 psi NPT	Normally Closed
OCI 50138-4	240 psi NPT	Normally Open
OCI 50138-1	360 psi NPT	Normally Closed
OCI 50138-2	360 psi NPT	Normally Open
OCI 50138-7	500 psi NPT	Normally Closed
OCI 50138-8	500 psi NPT	Normally Open

Part Number	Description	Operation
OCI 50138-5-M2	240 psi M-10	Normally Closed
OCI 50138-4-M2	240 psi M-10	Normally Open
OCI 50138-1-M2	360 psi M-10	Normally Closed
OCI 50138-2-M2	360 psi M-10	Normally Open
OCI 50138-7-M2	500 psi M-10	Normally Closed
OCI 50138-8-M2	500 psi M-10	Normally Open

Pressure Gauge Guard and Pressure Supervisory Switch Guard

DESCRIPTION

The Pressure Gauge and Pressure Supervisory Switch Guards provide increased safety, flexibility and serviceability when used in valve/cylinder assemblies. They are made of brass material and protect the pressure gauge and pressure supervisory switch from impacts which may cause a leak. The Pressure Gauge and Pressure Supervisory Switch Guards also incorporate a *no loss* connection which allows for the pressure gauge to be replaced easily and safely without discharging the cylinder.

PRESSURE GAUGE GUARD

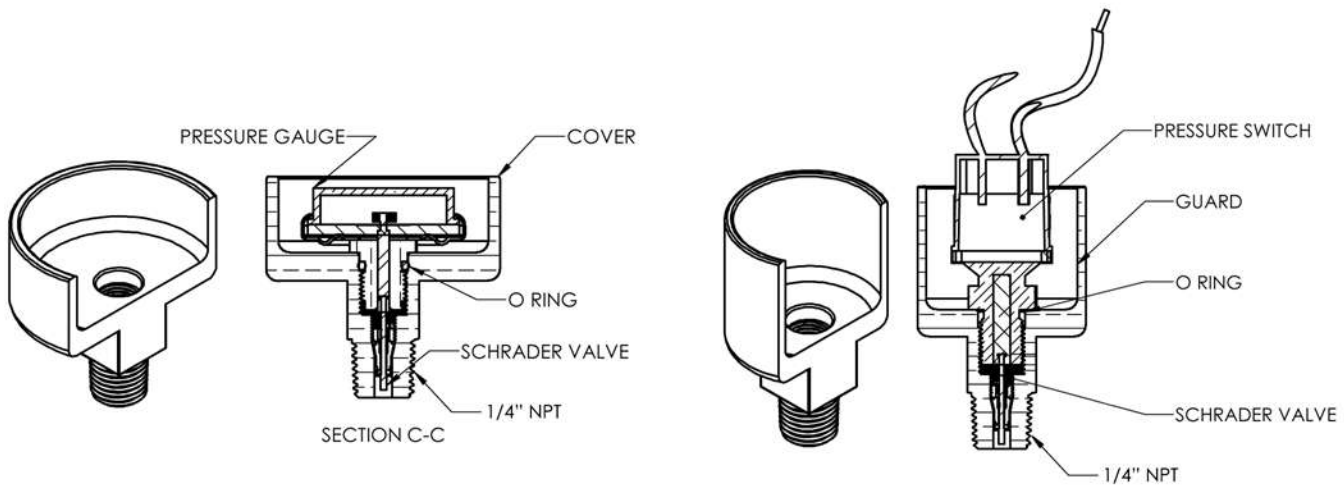


P/N: OCI 70198-3 - M10 to 1/4 NPT - Pressure Gauge Guard
OCI 70198-3-A - M10 to 1/4 NPT - Pressure Gauge Guard Assy

PRESSURE SUPERVISORY SWITCH GUARD



P/N: OCI 70215-2 - M10 to 1/4 NPT - Pressure Switch Guard
OCI 70232-A - M10 - Pressure Switch Guard Assy



Orient Corporation

Pressure Gauge Guard and Pressure Supervisory Switch Guard

DESCRIPTION

The Pressure Gauge and Pressure Supervisory Switch Guards provide increased safety, flexibility and serviceability when used in valve/cylinder assemblies. They are made of brass material and protect the pressure gauge and pressure supervisory switch from impacts which may cause a leak. The Pressure Gauge and Pressure Supervisory Switch Guards also incorporate a *no loss* connection which allows for the pressure gauge to be replaced easily and safely without discharging the cylinder.

PRESSURE GAUGE GUARD

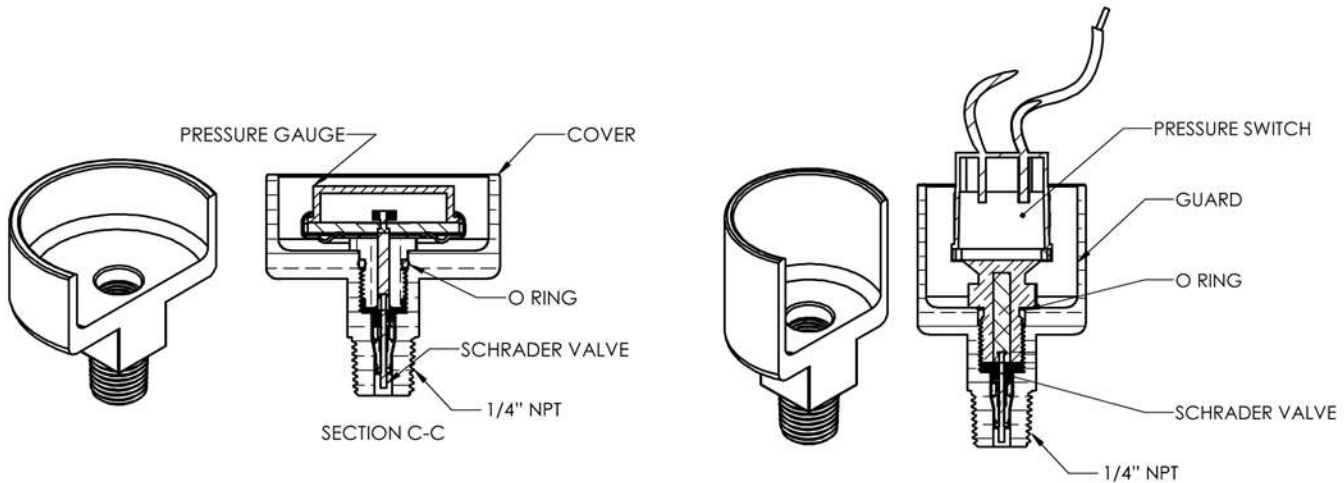


P/N: OCI 70198-3 - M10 to 1/4" NPT - Pressure Gauge Guard
OCI 70198-3-A - M10 to 1/4" NPT - Pressure Gauge Guard Assy

PRESSURE SUPERVISORY SWITCH GUARD



P/N: OCI 70215-2 - M10 to 1/4" NPT - Pressure Switch Guard
OCI 70232-A - M10 - Pressure Switch Guard Assy





LOCAL MANUAL CONTROL

- Used for manual actuation of cylinder
- Equipped with safety pull-pin to prevent accidental manual discharge of Clean Agent
- Self-venting
- Solid brass construction
- Stainless steel operation lock-pin

The Local Manual Control features a local lever driven push rod that depresses a Schrader check valve, thereby venting the pressure from the top of the piston in the cylinder valve, allowing the piston to slide upward and commence cylinder discharge. The Local Manual Control mounts directly to a top plug adapter, which is located on top of the cylinder valve. Orient also offers a plunger type of Local Manual Control (Part Number: OCI 61033-P).

PISTON ACTUATOR CONTROL

- High quality brass construction
- Mounts directly on top of cylinder valves
- Self-venting

The Piston Actuator features a pneumatically driven piston that depresses a Schrader check valve, thereby venting the pressure from the top of the piston in the cylinder valve, allowing the piston to slide upward and commence cylinder discharge. The pneumatic pressure required to operate the Piston Actuator is obtained from the "M" port of a cylinder, which is designated as "Master" cylinder that is either mechanically and/or electrically actuated. Multiple cylinders equipped with Piston Actuators can be activated from one master cylinder using 1/4" copper tubing or 1/4" metal flex hose. The Piston Actuator mounts directly to a top plug adapter, which is located on top of the cylinder valve.



P/N : OCI 61033



P/N : OCI 61033-P



P/N: OCI 61041

Description

The Liquid Level Indicator is a simple, manually operated device, which provides a means to determine the Clean Agent liquid level in vertically mounted agent storage containers. Once the liquid level is determined, it can then be converted into the weight of Clean Agent present in the agent storage container.



Operation

A magnet equipped float moves with the liquid level along the unit stem. Level readout is obtained by simply removing the protective cap and pulling out a calibrated tape until magnetic interlock with the float is felt. With the tape in this position, the reading is obtained at the point where the tape emerges from the unit housing.

When the liquid level is determined, the reading is then referred to a chart in the Engineering Manual and the corresponding weight of Clean Agent is determined. Accurate readings can be obtained over a +40°F to +90°F temperature range.

Features

- Reduced maintenance time - weight in an agent storage container can be determined in a fraction of the time it would take to remove and weigh them.
- Continuous fire protection - use of the liquid level indicator does not require taking out the cylinder from the system, thus providing uninterrupted fire protection.
- Field installation capability - the indicator can easily be installed in the field using a single wrench as long as the container is empty and is equipped with a mounting boss.
- Compact - when not in use, the unit requires no more space than that required by the container.
- Flexibility - the flexible tape design allows the unit to be used in tight spaces that would otherwise hinder the use of a rigid type indicator "stick".
- Availability - units are available for all Orient containers from sizes of 150 lb. thru 1200 lb.

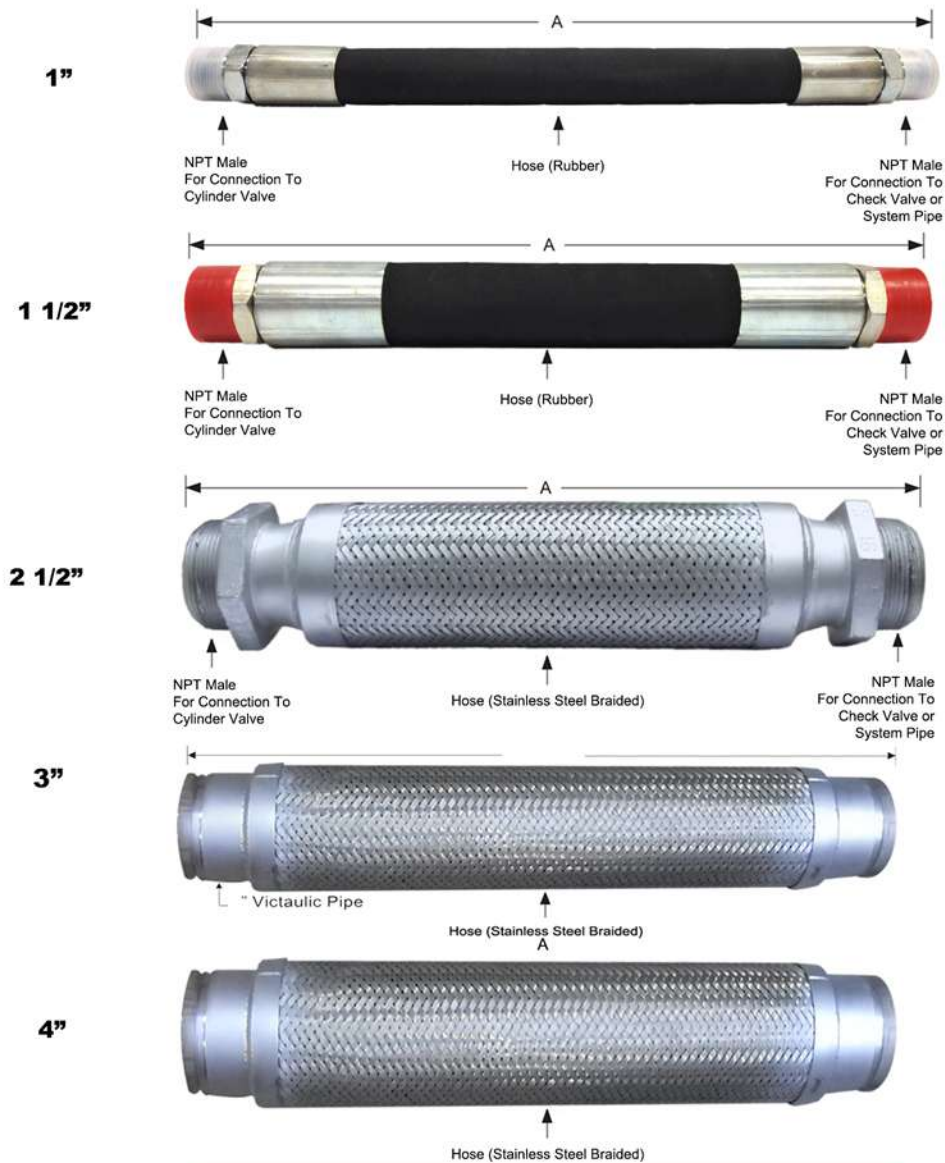
Part Number	Description
OCI 60020	Liquid Level Indicator for 150 LB & 250 LB cylinders
OCI 60020-1	Liquid Level Indicator for 375 LB & 560 LB cylinders
OCI 60020-4	Liquid Level Indicator for 800 LB cylinders
OCI 60020-3	Liquid Level Indicator for 1000 LB cylinders
OCI 60020-2	Liquid Level Indicator for 1200 LB cylinders

DESCRIPTION

Flex hoses are used to connect the agent storage containers to the manifold in multiple cylinders arrangement. Flex hoses are constructed of high pressure hydraulic rubber in the 1" and 1-1/2" sizes and stainless steel corrugated inner core with stainless steel braided in the 2-1/2" size. All sizes are fitted with male NPT thread on both ends.

For the 650lb, 800 lb and 1000 lb cylinders, the flex hose is 3" in diameter (Part # OCI 91230-C) and 18" in length. The flex hose is manufactured from a stainless steel corrugated inner core with stainless steel braided. The flex hose has 3" Victaulic fittings on both ends.

For the 800 lb, 1000 lb and 1200 lb cylinders, the flex hose is 4" in diameter (Part # OCI 91230) and 18" in length. The flex hose is manufactured from a stainless steel corrugated inner core with stainless steel braided. The flex hose has 4" Victaulic fittings on both ends.



Part Number	Diameter	A	Material
OCI 60255	1"	18"	Rubber
OCI 60256	1-1/2"	18"	Rubber
OCI 60257	2-1/2"	18"	Stainless Steel Braided
OCI 91230-C	3"	18"	Stainless Steel Braided
OCI 91230	4"	18"	Stainless Steel Braided





CHECK VALVE

The Check Valves are used when two or more agent storage cylinders are manifolded together with one common discharge piping configuration. Their purpose is to prevent the loss of agent in the event that any of the agent storage cylinders are not connected to the manifold at time of system discharge and to prevent back flow of agent into other cylinders attached to the manifold.

All components of the check valves are constructed from brass for durability and protection against corrosion. The metal to metal sealing area of the disc and seat is precision lapped, providing a very tight shut-off of both gas and liquid.



Part Number	Description	Valve Size
OCI 60261	Check Valve	1"
OCI 60262	Check Valve	1-1/2"
OCI 60263	Check Valve	2-1/2"
OCI 91231-3	Check Valve Assembly	3"
OCI 91231-2	Check Valve Assembly	4"

SHUTTLE VALVE

The brass Shuttle Valve is used to connect two cylinders to a common discharge pipe and nozzle(s). All threads are available with 1" or 1-1/2" NPT. The purpose of having a reserve supply is that after the first cylinder (main) is discharged, the second cylinder (reserve) can be manually transferred via main/reserve switch to restore fire-fighting readiness.

The shuttle valve contains a shuttle check that closes off the piping to the first cylinder (main) when empty. When the second cylinder is discharged, the shuttle check prevents the charge of the second cylinder into the first empty cylinder (main) connected on the same manifold, thus reducing the unnecessary Clean Agent loss.

Part Number	Description
OCI 50123	1" Shuttle Valve
OCI 60619	1-1/2" Shuttle Valve



P/N: OCI 50123

Discharge Nozzle

DESCRIPTION

The function of the Discharge Nozzle, in a fire extinguishing system, is to distribute the Clean Agent in a uniform, pre-determined pattern and concentration. The nozzles are designed to complete the discharge of Clean Agent in 10 seconds or less when installed within the design limitations as stated in the Installation Instruction Manual.

Discharge Nozzles are available in sizes of 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2". Each discharge nozzle comes in two configurations: 180 and 360 degree distribution patterns. Deflector plates are available as an option where sensitive ceiling tiles must be protected.

Discharge Nozzles are made of aluminum with female pipe threads. The orifice size of the discharge nozzle is determined by the hydraulic flow calculations. All nozzles are rated for a maximum hazard height of 16 ft. If hazards exceed 16 ft in height, a second tier of nozzles must be used.

Discharge nozzles are also available in Aluminium, Brass and Stainless steel materials.



Discharge Nozzle Selection – Sidewall 180°

Typically to be installed adjacent to the center of the one wall of one enclosure. It's discharge path will be across the enclosure. At no time shall the area coverage be exceeded.

Discharge Nozzle Selection – Central 360°

Typically to be installed at the center of the enclosure. It's discharge path will be across the enclosure. At no time shall the area coverage be exceeded.

Installation

Please refer to Orient Installation, Maintenance & Service Technical Manual for Discharge Nozzles Area Coverage and Application Selections.

Part Number	Description	Part Number	Description
OCI 60704-2	½" (180°) Sidewall	OCI 60707-2	1 ¼" (180°) Sidewall
OCI 60704-3	½" (360°) Central	OCI 60707-3	1 ¼" (360°) Central
OCI 60705-2	¾" (180°) Sidewall	OCI 60708-2	1 ½" (180°) Sidewall
OCI 60705-3	¾" (360°) Central	OCI 60708-3	1 ½" (360°) Central
OCI 60706-2	1" (180°) Sidewall	OCI 60709-2	2" (180°) Sidewall
OCI 60706-3	1" (360°) Central	OCI 60709-3	2" (360°) Central

Orient Corporation



DESCRIPTION

The function of the Discharge Nozzle, in a fire extinguishing system, is to distribute the Clean Agent in a uniform, pre-determined pattern and concentration. The nozzles are designed to complete the discharge of Clean Agent in 10 seconds or less when installed within the design limitations as stated in the Installation Instruction Manual.

Discharge Nozzles are available in sizes of 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2". Each discharge nozzle comes in two configurations: 180 and 360 degree distribution patterns. Deflector plates are available as an option where sensitive ceiling tiles must be protected.

Discharge Nozzles are made of brass with female pipe threads. The orifice size of the discharge nozzle is determined by the hydraulic flow calculations. All nozzles are rated for a maximum hazard height of 16 ft. If hazards exceed 16 ft in height, a second tier of nozzles must be used.

Discharge nozzles are also available in Aluminium, Brass and Stainless steel materials.



Discharge Nozzle Selection – Sidewall 180°

Typically to be installed adjacent to the center of the one wall of one enclosure. It's discharge path will be across the enclosure. At no time shall the area coverage be exceeded.

Discharge Nozzle Selection – Central 360°

Typically to be installed at the center of the enclosure. It's discharge path will be across the enclosure. At no time shall the area coverage be exceeded.

Installation

Please refer to Orient Installation, Maintenance & Service Technical Manual for Discharge Nozzles Area Coverage and Application Selections.

Part Number	Description	Part Number	Description
OCI 70704-2	½" (180°) Sidewall	OCI 70707-2	1 ¼" (180°) Sidewall
OCI 70704-3	½" (360°) Central	OCI 70707-3	1 ¼" (360°) Central
OCI 70705-2	¾" (180°) Sidewall	OCI 70708-2	1 ½" (180°) Sidewall
OCI 70705-3	¾" (360°) Central	OCI 70708-3	1 ½" (360°) Central
OCI 70706-2	1" (180°) Sidewall	OCI 70709-2	2" (180°) Sidewall
OCI 70706-3	1" (360°) Central	OCI 70709-3	2" (360°) Central

DESCRIPTION

The function of the Discharge Nozzle, in a fire extinguishing system, is to distribute the Clean Agent in a uniform, pre-determined pattern and concentration. The nozzles are designed to complete the discharge of Clean Agent in 10 seconds or less when installed within the design limitations as stated in the Installation Instruction Manual.

Discharge Nozzles are available in sizes of 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2". Each discharge nozzle comes in two configurations: 180 and 360 degree distribution patterns. Deflector plates are available as an option where sensitive ceiling tiles must be protected.

Discharge Nozzles are made of aluminum with female pipe threads. The orifice size of the discharge nozzle is determined by the hydraulic flow calculations. All nozzles are rated for a maximum hazard height of 16 ft. If hazards exceed 16 ft in height, a second tier of nozzles must be used.

Discharge nozzles are also available in Brass and Stainless steel materials.



Discharge Nozzle Selection – Sidewall 180°

Typically to be installed adjacent to the center of the one wall of one enclosure. It's discharge path will be across the enclosure. At no time shall the area coverage be exceeded.

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Typically to be installed at the center of the enclosure. It's discharge path will be across the enclosure. At no time shall the area coverage be exceeded.

Installation

Please refer to Orient Installation, Maintenance & Service Technical Manual for Discharge Nozzles Area Coverage and Application Selections.

Part Number	Description	Part Number	Description
OCI 60704-2	1/2" (180°) Sidewall	OCI 60707-2	1 1/4" (180°) Sidewall
OCI 60704-3	1/2" (360°) Central	OCI 60707-3	1 1/4" (360°) Central
OCI 60705-2	3/4" (180°) Sidewall	OCI 60708-2	1 1/2" (180°) Sidewall
OCI 60705-3	3/4" (360°) Central	OCI 60708-3	1 1/2" (360°) Central
OCI 60706-2	1" (180°) Sidewall	OCI 60709-2	2" (180°) Sidewall
OCI 60706-3	1" (360°) Central	OCI 60709-3	2" (360°) Central

Pneumatic Actuator Valve Assembly

Description

Orient's Pneumatic Actuator Valve Assembly consists of a Pneumatic Actuator, Limit Switch Box and a Selector Valve. The Pneumatic Actuator is a compact rack and pinion actuator that is available in double acting and spring return. The body is a hard-anodized aluminium extrusion alloy. The pneumatic actuators are manufactured in a wide range of output torques to fit the characteristics of the selector valve applications, and the systems feature an ISO standard mounting design, assuring long-term industry acceptance.

It has a Limit Switch Box that is designed using aluminium die-casting housing and power coated. It is equipped with bolt on visual position indicator spring, loaded cam, captive cover bolts, dual cable entries, and Namur standard stainless steel shaft and bracket.

The Limit Switch provides electrical contact points for use on Orient Selector Valve to indicate "Open" or "Closed" position.

Below the Pneumatic Actuator is the Selector Valve that is designed to operate together with the Pneumatic Actuator (OCI 603402) and it has an ISO direct mounting pad which is designed for all of the Schedule 40 or 80 fire suppression system pipings.

Orient's bare stem type selector valve is well designed for mounting the actuator directly with very low torque value.

Pneumatic Actuator Specification

1. Operating Pressure Range: 40 psig to 120 psig
2. Maximum Allowable Working Pressure: 150 psig
3. Pressure Regulator Device Range: 80 psig to 400 psig
4. Operating Temperature: -40°F (-40°C) to +200°F (90°C)
5. Double Acting: 10 Nm (88 in-lb) to 1,243 Nm (11,000 in-lb)
6. Spring Return: 7.6 Nm (68 in-lb) to 484 Nm (4,290 in-lb)
7. Direct connection: ISO 5211 standard and DIN 3337 stem standard

Limit Switch Box Specification

Enclosure Protection: Weatherproof IP67 / NEMA 4 & 4X
 Ingress Protection: IP67
 Coating: Polyester powder coated, hard-anodized surface against corrosion
 Ambient Temperature: -4°F (-20°C) to +176°F (+80°C)
 Cable Entry: Dual cable entries (2 x 1/2" NPT)
 Terminal Strip: 8 points (6 for switches, 2 for solenoid connections)
 Position Monitoring Indicator: Yellow - Open (0° to 90°)
 Red - Close

Switches: 2 SPDT Mechanical Switches
 Mounting Bracket: Standard NAMUR

Selector Valve Specification

1. Body & end caps quality investment casting
2. With ISO 5211 direct mounting pad
3. Adjustable stem packing
4. Available in stainless steel or carbon steel
5. Blow-out proof stem design
6. 100% air tested under water at 80 psi to 100 psi
7. Working Pressure: 1000 psi / 800 psi
8. Temperature Range: -20°F to 450°F
9. End Type: Threaded



P/N: OCI 603402

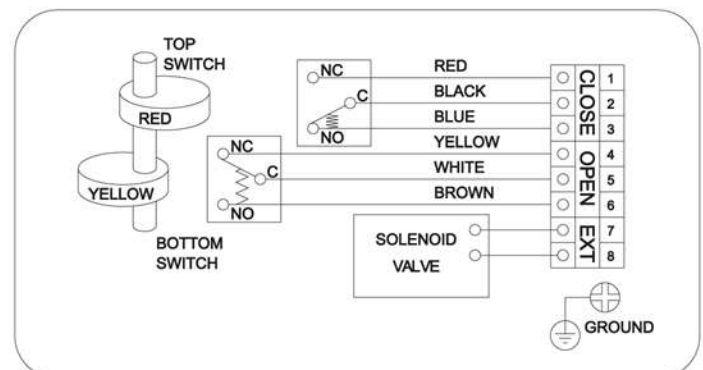
P/N: OCI 603403

P/N: OCI 603301-P

Available Sizes of Pneumatic Actuator Valve Assembly

Part Number	Size
OCI 603300-P	2"
OCI 603301-P	2 1/2"
OCI 603302-P	3"
OCI 603303-P	4"

Wiring Diagram



Orient Corporation



6 Inch Selector Valve with Pneumatic Actuator

DESCRIPTION

Orient's 6 Inch Selector Valve (OCI 603304-P) is designed and provided with flanged connection to the fire suppression pipe lines. The Selector Valve is designed with ISO direct mounting pad, it's convenient for mounting Pneumatic Actuator (OCI 603402) directly on the valve's ISO pad.

It has a Limit Switch Box (OCI 603403) that is designed using aluminium die-casting housing and power coated. It is equipped with bolt on visual position indicator spring, loaded cam, captive cover bolts, dual cable entries, and Namur standard stainless steel shaft and bracket.

The 6 Inch Selector Valve offers flange connection in ASME/DIN/JIS standard. This is for 6" size (Dn150), and Fire Safe API607 - 4th Edition Certification can be provided as option.

Specification

1. Available in stainless steel or carbon steel
2. Body & end are investment cast
3. Self adjusting stem packing
4. Blow-out proof stem design
5. 100% air tested under water at 80 psi to 100 psi
6. Temperature Range: -20° F to 450° F
7. ISO 5211 mounting pad
8. Options: Silicone Free/Oil & Crease Free

General Design Information

- * Face to Face Dimension: ANSI B16.10
- * Flanged Dimension: ANSI B16.5
- * Wall Thickness: ANSI B16.34
- * Flanged Finish: MSS Sp-6
- * Pressure Test & Inspection: API 598

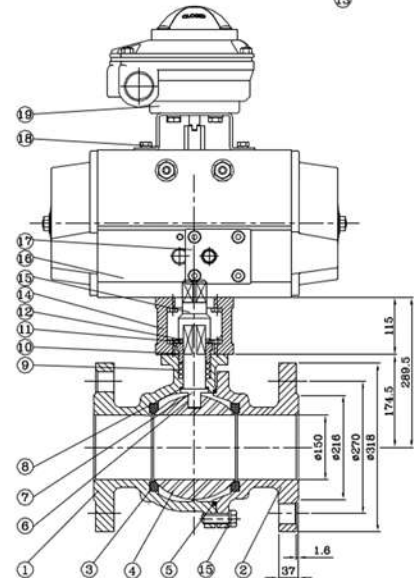
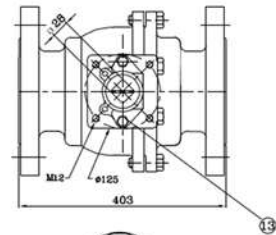
NO.	NAME OF PARTS	MATERIALS
1	BODY	CF8M
2	END CAP	CF8M
3	BALL SEATS	PTFE+25%Carbon
4	BALL	CF8M
5	GASKET	PTFE
6	ANTI-STATIC	SS 316
7	STEM	CF8M
8	THRUST WASHER	RPTFE
9	STEM PACKING	PTFE
10	GLAND	CF8
11	STOPPER	SS 304
12	STOP PLATE	SS 304
13	GLAND BLOT	SS 304
14	BRACKET	FCD45
15	ADAPTOR	S45C
16	ACTUATOR	SS 304
17	FLOW CONTROL BLOCK	-
18	BRACKET	SS 304
19	SWITCH BOX	-



P/N: OCI 603403

P/N: OCI 603402

P/N: OCI 603304-P



Manifold Couplings with Flexible Hoses

DESCRIPTION

The Check Valve & Manifold Coupling (CV Coupling) is used when cylinders are manifolded together per the diagram below.

The CV Coupling is rated at 3000# and can be welded into the manifold inlet directly or connected thru a NPT Nipple.

CV Coupling

Part Number	Coupling Size	Type of Check Valve
OCI 88122-625	2-1/2" CV	1" Check Valve
OCI 88122-645	3" CV	1-1/2" Check Valve
OCI 88122-665	4" CV	2-1/2" Check Valve

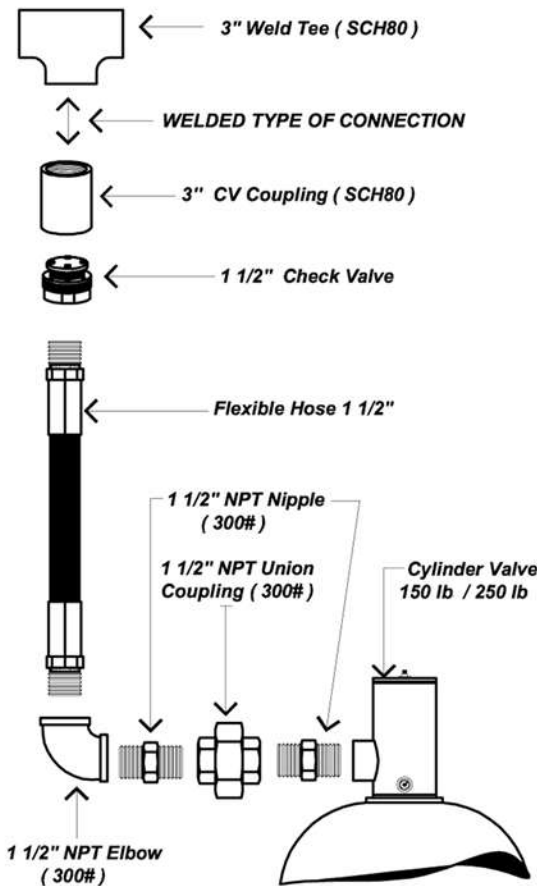


OCI 88122-625

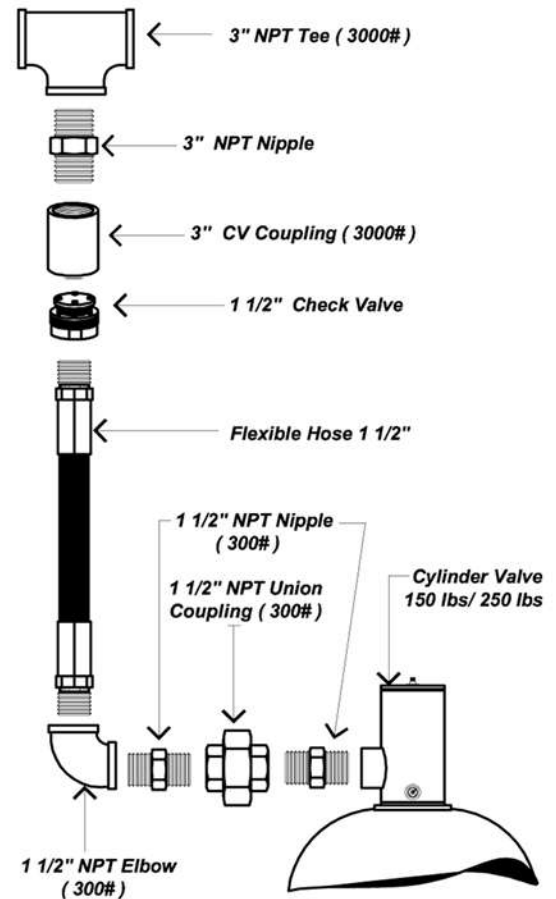
OCI 88122-645

OCI 88122-665

Cylinder to Manifold Connections with Flexible Hose



**1 1/2" Check Valve Installation
(Welded Type CV Coupling)**



**1 1/2" Check Valve Installation
(Screwed Type CV Coupling)**

DESCRIPTION

The Check Valve & Manifold Coupling (CV Coupling) is used when cylinders are manifolded together per the diagram below.

The CV Coupling is rated at 3000# and can be welded into the manifold inlet directly or connected thru a NPT Nipple.

CV Coupling

Part Number	Coupling Size	Type of Check Valve
OCI 88122-625	2-1/2" CV	1" Check Valve
OCI 88122-645	3" CV	1-1/2" Check Valve
OCI 88122-665	4" CV	2-1/2" Check Valve

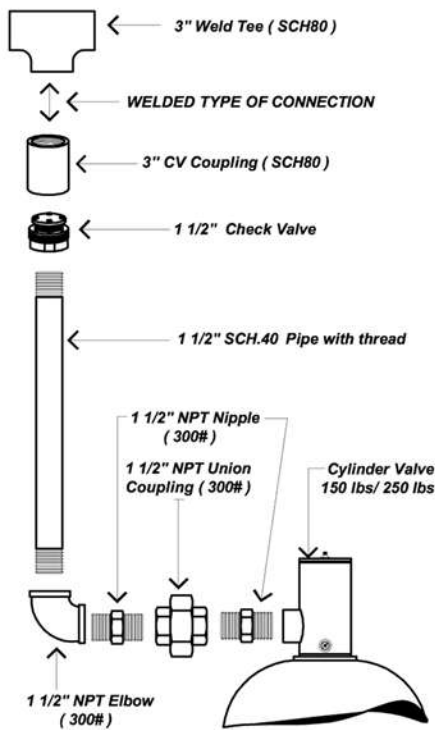


OCI 88122-625

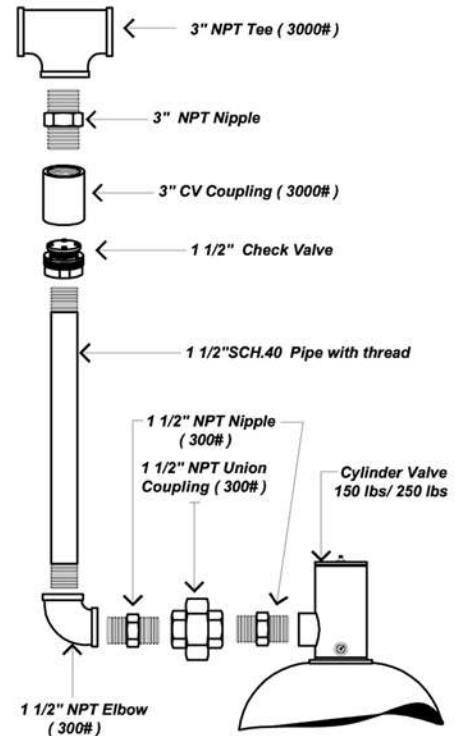
OCI 88122-645

OCI 88122-665

Cylinder to Manifold Connections with Threaded Pipe



1 1/2" Check Valve Installation without flexible hose
(Welded Type CV Coupling)



1 1/2" Check Valve Installation without flexible hose
(Screwed Type CV Coupling)