



ULV-100

2 x 2 - 9C

100GPM UL Fire Pump System

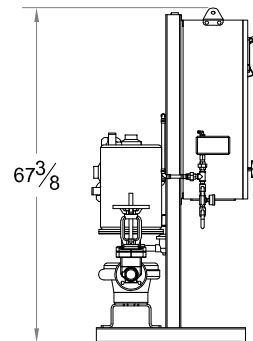
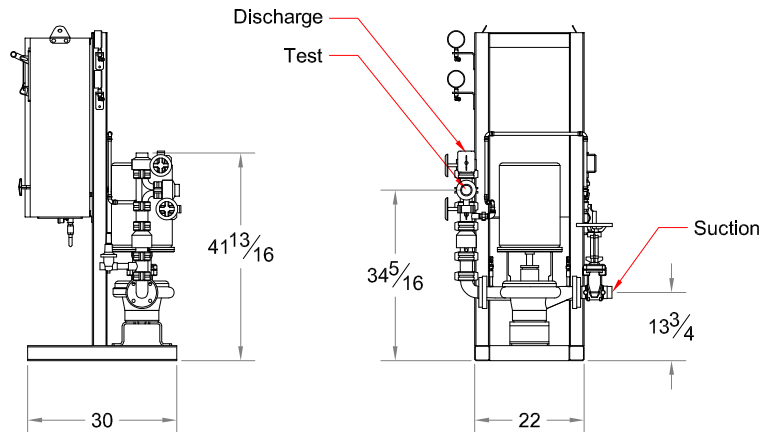
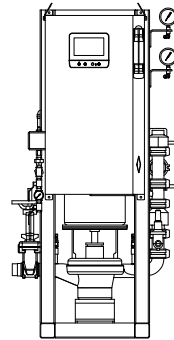
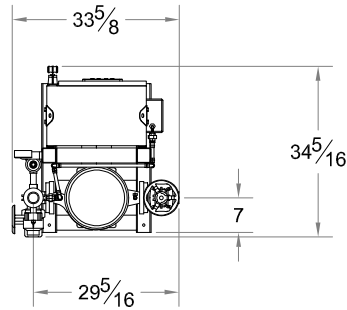
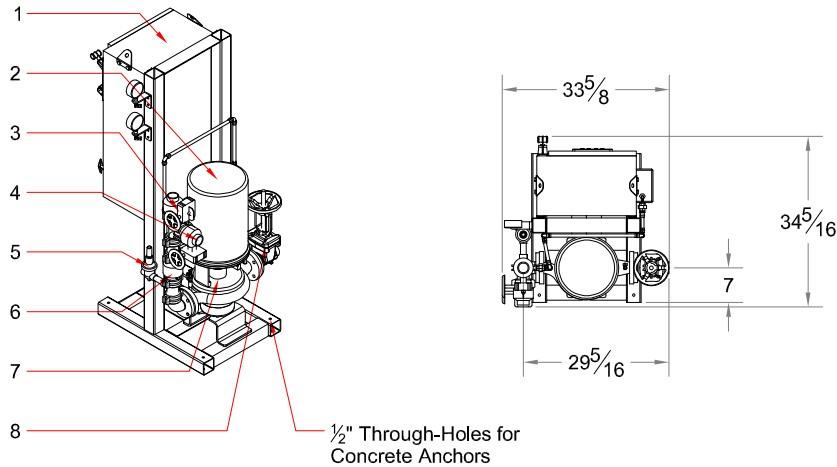
NFPA-20 Submittal Packet

NFPA-20 Fire Pump

2-383-9C

ULV-100

Compact Residential Package
 Design Condition: 100GPM @ 75PSI



System Components per NFPA-20

System Specifications:

- Motor
- 10 Horsepower Electric
- 230 Volt, 46 Amp
- Single Phase
- 3450 RPM

Pump

- UL Vertical Inline Fire Pump
- 2" Suction (Grooved)
- 2" Discharge (Grooved)
- 2" Test Connection (Grooved)
- 175 PSI max working pressure

System Components (UL Listed by Manufacturer)

- 1- Limited Service Fire Pump Controller
- 2- Electric Motor (UL Recognized)
- 3- Discharge Butterfly Valve (Monitored)
- 4- Test Connection Butterfly Valve (Monitored)
- 5- Case Relief Valve
- 6- Check Valve
- 7- Vertical Inline Fire Pump
- 8- Suction OS&Y (Monitored)

Dimensions

- 35" Depth
- 68" Height
- 34" Width

*All dimensions are approximate and subject to change without notice.

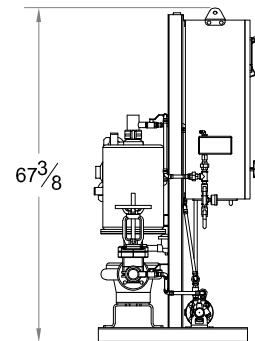
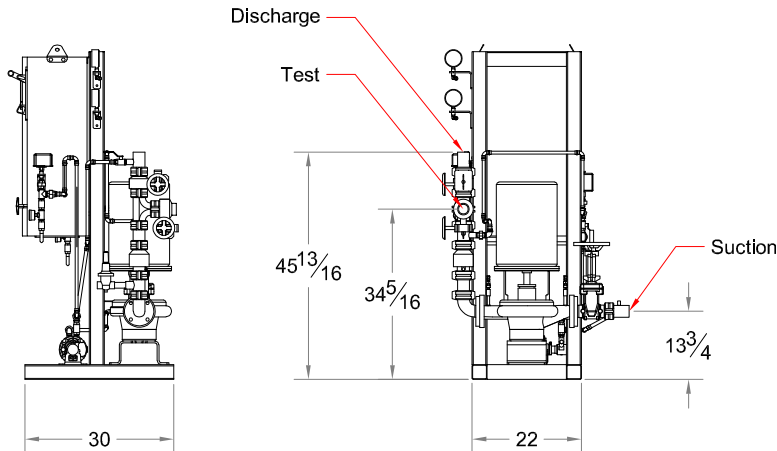
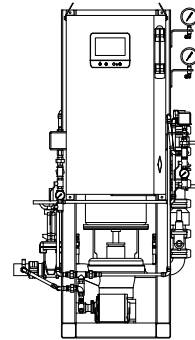
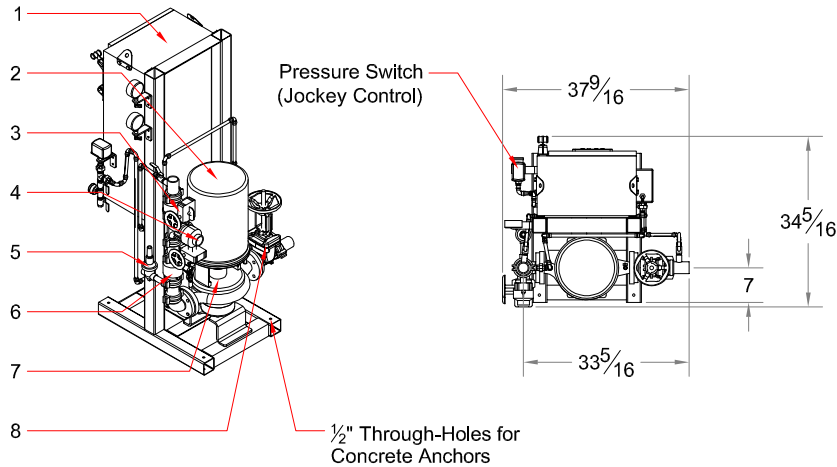
NFPA-20 Fire Pump

2-383-9C

with Jockey Pump

ULV-100

Compact Residential Package
 Design Condition: 100GPM @ 75PSI



System Components per NFPA-20

System Specifications:

- Motor
- 10 Horsepower Electric
- 230 Volt, 46 Amp
- Single Phase
- 3450 RPM

Pump

- UL Vertical Inline Fire Pump
- 2" Suction (Grooved)
- 2" Discharge (Grooved)
- 2" Test Connection (Grooved)
- 175 PSI max working pressure

System Components (UL Listed by Manufacturer)

- 1- Limited Service Fire Pump Controller
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- 3- Discharge Butterfly Valve (Monitored)
- 4- Test Connection Butterfly Valve (Monitored)
- 5- Case Relief Valve
- 6- Check Valve
- 7- Vertical Inline Fire Pump
- 8- Suction OS&Y (Monitored)

Dimensions

- 35" Depth
- 68" Height
- 38" Width

*All dimensions are approximate and subject to change without notice.

900 Series Single Stage Inline Fire Pumps



MODEL 383



Listed

Built Per
N.F.P.A. 20

ap AURORA®

PENTAIR PUMP GROUP

Aurora 383 Series Pumps

VERTICAL Inline Close Coupled Fire Pumps are specifically designed for vertical mounting. The suction and discharge nozzles are located on the same centerline 180° apart. Vertical pumps significantly reduce required mounting space. They are easy to maintain. Simply remove eight capscrews and the motor and bracket assembly is easily removed from the casing without disturbing the piping. The impeller is direct coupled to the motor shaft for easy maintenance, to minimize impeller run out and to reduce noise.

The inline casing is heavily ribbed to resist pipe strain and is provided with a support to simplify mounting to a base or foundation. Packing is provided when suction pressure is greater than 30 PSIG; packing with lantern ring and flush line is furnished for suction pressures of 30 PSIG or less. Look through this bulletin for additional details & specifications.

Back pull-out inline case design simplifies disassembly. The suction and discharge piping or alignment is not disturbed as the casing remains in the pipeline. Simply remove the motor and bracket assembly for service or inspection.

Computer machined major components with 360° registered fits assure parts concentricity.

Note: Front case wearing rings are standard on all size pumps. Rear case rings are standard on all sizes except the 2x2x9C. The 2x2x9C does not require a wear ring.

STANDARD

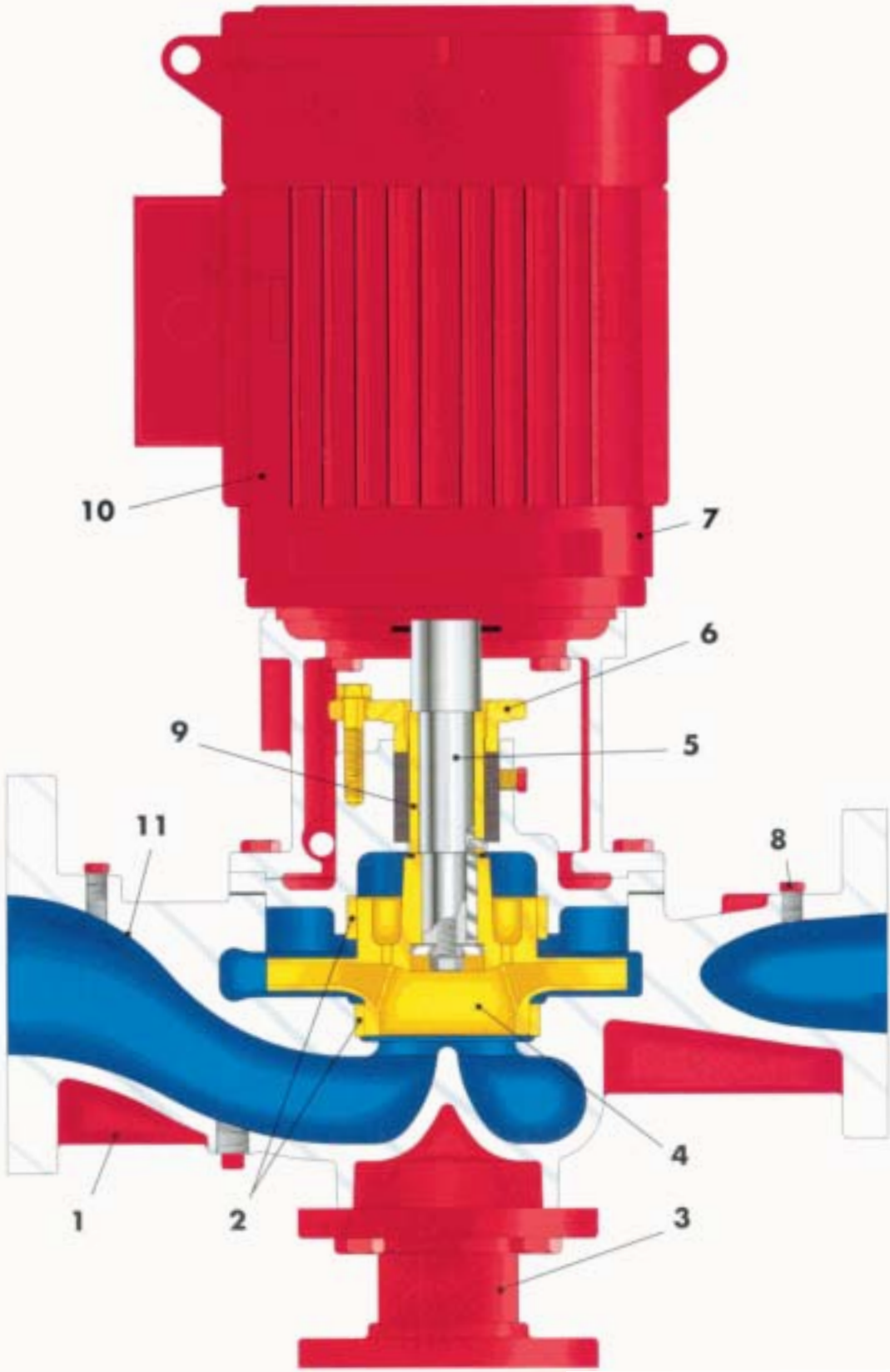
Bronze fitted pump construction
Bronze shaft sleeve
Split bronze packing gland
Carbon steel shaft
125# ANSI flange drilling
Dynamically balanced vacuum cast impeller
Stainless Steel impeller screw & washer
Bronze case wearing ring(s)
Graphite impregnated acrylic packing
Motor:
NEMA-HI JP
Factory performance tested in accordance with NFPA-20

ACCESSORIES

Suction and discharge pressure gauges
Air release valve
Circulation relief valve
Hose valve header
Hose valves
Flow meter
Jockey pump
Optional flange drillings
125 lb suction - 250 lb discharge
250 lb suction and discharge

- 1 BACK PULL-OUT CASING with inline suction and discharge.
- 2 CASE WEARING RING prevents wear on casing and is easily and inexpensively replaced.
- 3 SUPPORT simplifies mounting. The pump can be fastened to the floor, a base or foundation.
- 4 DYNAMICALLY BALANCED IMPELLER is keyed to the shaft and secured by a capscrew and washer. Vacuum casting and quality controlled manufacturing process assures consistent high performance. Enclosed design provides high efficiency and low wear for long service life.
- 5 CARBON STEEL SHAFT is designed for minimum deflection at maximum load.
- 6 TWO PIECE BRONZE PACKING GLAND provides easy packing maintenance.
- 7 FACTORY PERFORMANCE TEST guarantees performance at specified pump operating conditions.
- 8 FLUSH LINE with valve (when used) from discharge provides easy water seal adjustment to lantern ring.
- 9 BRONZE SHAFT SLEEVE extends full length of stuffing box to protect motor shaft. The shaft sleeve is slip fit over the shaft and then is keylocked. Shaft sleeve and impeller screw are sealed by "O"-ring gaskets to eliminate corrosion of the shaft by the pumped liquid.
- 10 STANDARD MOTOR approved for 383 Series pump service by NEMA and the HYDRAULIC INSTITUTE provides low noise level pump operation.
- 11 VOLUTE TYPE SUCTION inlet pre-rotates suction liquid.

Vertical Fire Pump Features



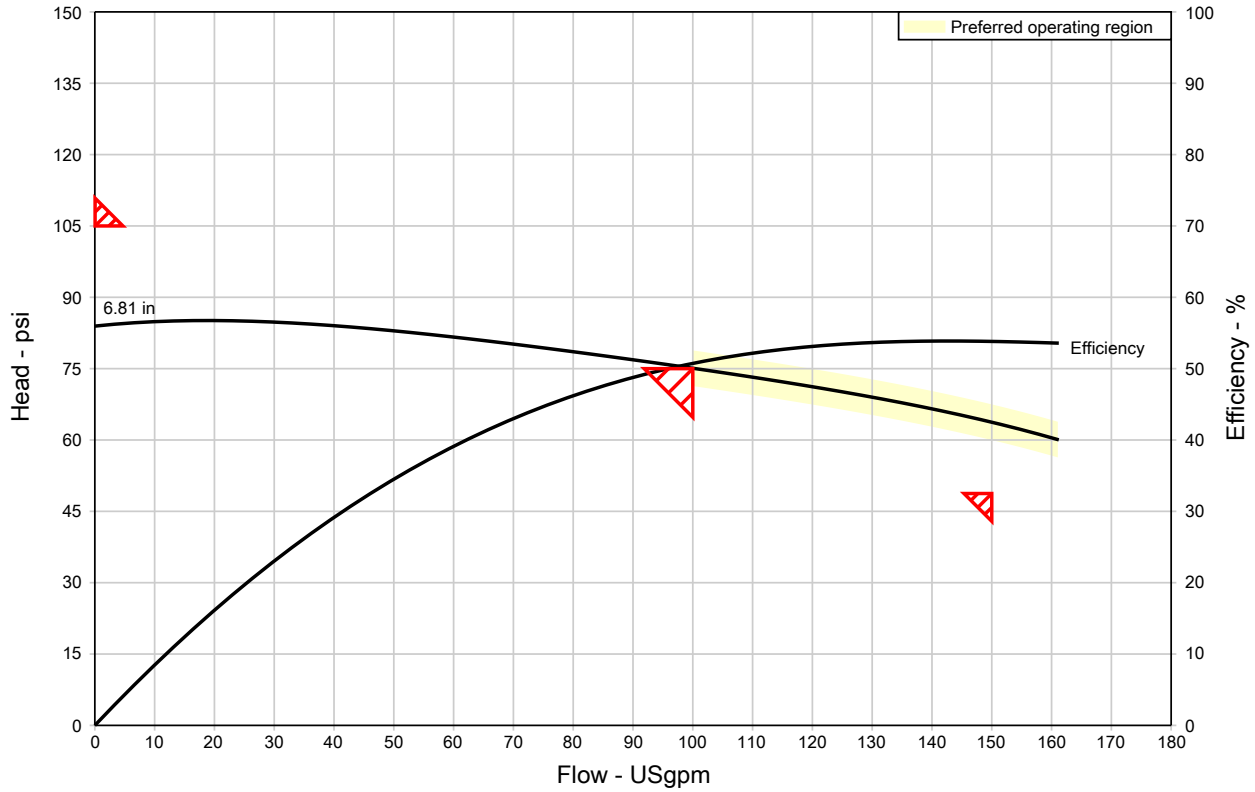
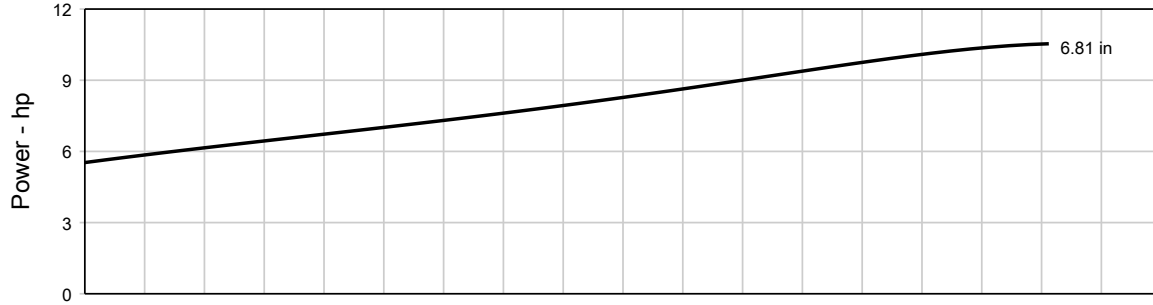


Customer : TALCO INDUSTRIES, INC.

Pump Performance Curve

Encompass 3.0 - 24.3.4

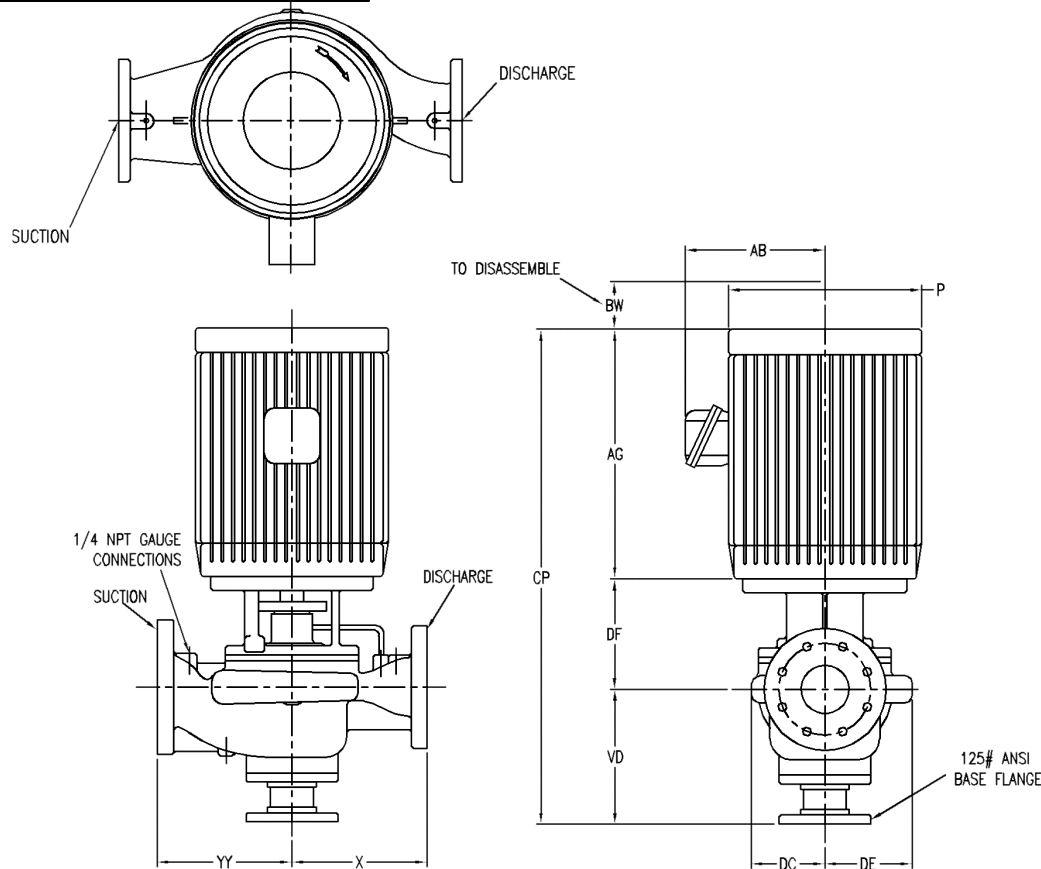
Project name : 100 @ 75



| | | | |
|--------------------------------------|-----------------------|----------------------------------|-------------------|
| Item Number / Tags | : 001 | Size | : 2-383-9C |
| Service | : | Stages | : 1 |
| Quantity | : 1 | Driver type | : Motor |
| Quote number | : 243627 | Frequency | : 60 Hz |
| Date last saved | : 30 Oct 2024 4:46 PM | Speed, rated | : 3500 rpm |
| Flow, rated | : 100.0 USgpm | Based on curve number | : 383-2X2X9C-3500 |
| Differential head / pressure, rated | : 75.00 psi | Efficiency | : 50.74 % |
| Flange rating (suction / discharge) | : 125/125 | Max working pressure, allowable | : 175.0 psi.g |
| Secondary Point (150% of rated flow) | : 150.0 USgpm | Max Shutoff Head (Calculated) | : 89.00 psi |
| Secondary Point (65% of rated head) | : 48.75 psi | Max suction pressure, allowable | : 86.00 psi.g |
| Max Shutoff per NFPA | : 105.0 psi | Pump shutoff w/ suction pressure | : 99.00 psi.g |
| | | Power driver, minimum | : 10.00 hp |

General Arrangement

WARNING
 DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.



| X | YY | BW | VD | DF | DC |
|------|------|------|------|------|------|
| 9.50 | 9.50 | 4.50 | 9.25 | 8.63 | 5.75 |

| DE | AG | P | AB | CP | Base Flange Size |
|------|-------|-------|------|-------|------------------|
| 6.25 | 17.00 | 12.25 | 7.63 | 35.00 | 2.00 |

NOTES:
Not for construction, installation, or application purposes unless certified.

All dimensions are in inches

 Dimensions may vary $\pm .38"$ (10mm) due to normal manufacturing tolerances.

See configuration for estimated total weight.

| Pump Data | |
|-------------------|---------------------|
| Series | Inline |
| Model | 2-383-9C |
| Size | 2x2x9C |
| Flow | 100.0 USgpm |
| Rated Pressure | 75.00 psi.g |
| RPM | 3500 rpm |
| Rotation | Right handed |
| Liquid Type | Water |
| Discharge Size | 2.00 in |
| Suction Size | 2.00 in |
| Impeller Diameter | 6.81 in |
| Connection Type | 125/125 |
| Base Type | Pipe flange support |
| - | - |

| Pump Materials of Construction | |
|--------------------------------|-------------------------------------|
| Pump | Bronze fitted with Cast Iron casing |
| Shaft | Carbon Steel |

| Motor Data | |
|----------------|----------|
| Power | 10.00 hp |
| Phase | 1 |
| Frequency | 60 Hz |
| Volts | 230 V |
| RPM | 3600 |
| Frame | 215JP |
| Service Factor | 1.15 |
| Enclosure | ODP |
| Manufacturer | Weg |

| Site Information | |
|------------------|-------------|
| Elevation | 300.0 ft |
| Temperature | 77.00 deg F |

| Estimated Weights | |
|-------------------|----------|
| Pump | 130.0 lb |
| Driver | 0.00 lb |

| Quote Information | | | |
|-------------------|------------------------|-------------|--|
| Customer | TALCO INDUSTRIES, INC. | | |
| Customer Quote | 0 | | |
| Job Name | Default | | |
| Market | - | | |
| | Quote Item | 001 | |
| | Quote Date | 10 Oct 2023 | |

TALCO FIRE
SYSTEMS



RESIDENTIAL & COMMERCIAL FIRE PUMP SPECIALISTS

6040 NE 112TH AVE. PORTLAND, OREGON 97220

PHONE: 800-878-8055 WWW.TALCOFIRE.COM

Fire Pump Controller

TALCO FIRE
SYSTEMS



RESIDENTIAL & COMMERCIAL FIRE PUMP SPECIALISTS

6040 NE 112TH AVE. PORTLAND, OREGON 97220

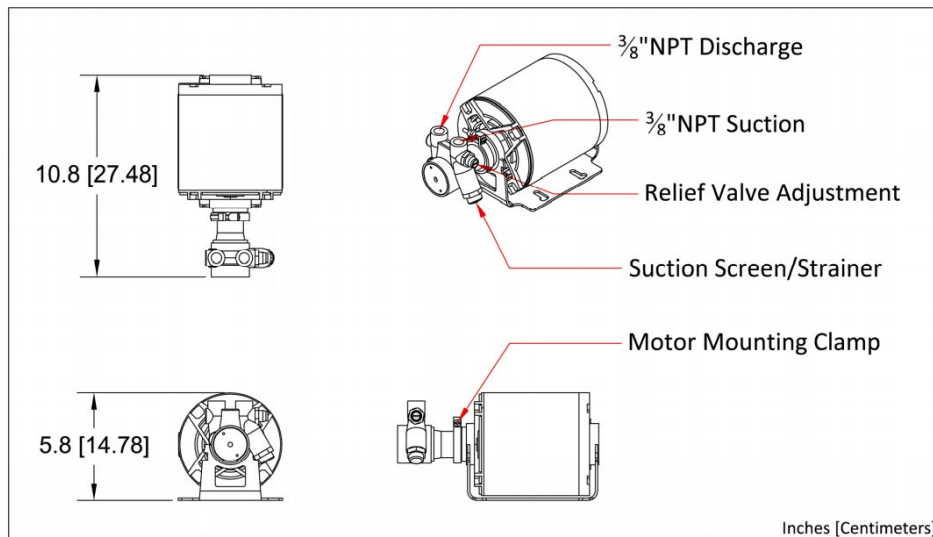
PHONE: 800-878-8055 WWW.TALCOFIRE.COM

Jockey Pump

(Optional Equipment)

Talco ULV Jockey Pump

- High Quality Rotary Vane Pump
 - 1.8GPM @ 240PSI
- 1/3HP* 200V-240V Electric Motor
 - Resilient Mounted
 - Permanently Lubricated
- Integrated Recirculation Relief Valve
 - Factory Set to 170PSI
 - No External Discharge
- Removable Mesh Suction Strainer
 - Cleanable & Reusable



Dimensions are approximate.

*Motor HP subject to change without notice based on availability.

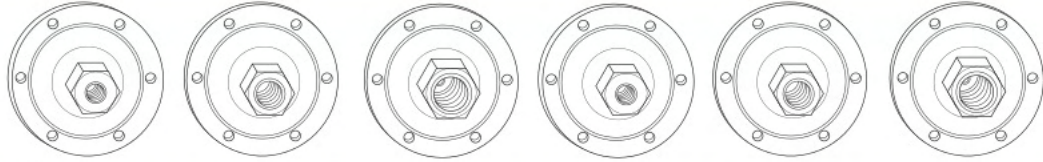
503-688-1231 www.talcofire.com 6040 NE 112th Ave, Portland OR

TALCO
— FIRE SYSTEMS —

Commercial Pressure Switches

Electromechanical Square D Brand 9013
For power circuits G
2-pole 2 N/C contacts
Degree of protection IP20, NEMA Type 1, 7 & 9

Flange Style



Adjustable range of switching point
Contacts open on rising pressure
2 Pole

| | | | | | | |
|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Fluid connections | 1/8" NPSF internal | 1/4" NPSF internal | 3/8" NPSF internal | 1/8" NPSF internal | 1/4" NPSF internal | 3/8" NPSF internal |
|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|

References

| | | | | | | |
|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| NEMA Type 1, IP20 | 9013GHG1 | 9013GHG2 | 9013GHG3 | | | |
| NEMA Type 7, NEMA Type 9 | | | | 9013GHR1 | 9013GHR2 | 9013GHR3 |
| Fluids / Pressure controlled | Water or Air | Water or Air | Water or Air | Water or Air | Water or Air | Water or Air |
| Pressure range | | | | | | |
| Cut-Out PSIG (bar) | 60-200 | 60-200 | 60-200 | 65-200 | 65-200 | 65-200 |
| Cut-In PSIG (bar) | 40-170 | 40-170 | 40-170 | 35-150 | 35-150 | 35-150 |
| Weight lbs (kg) | 2 lbs (0.91) | 2 lbs (0.91) | 2 lbs (0.91) | 8 lbs (3.62) | 8 lbs (3.62) | 8 lbs (3.62) |

Complementary characteristics not shown under general characteristics

| | | | | | | |
|---|-----------------------------|-----------------------------|-----------------------------|------------------|------------------|------------------|
| Differential PSIG (bar) | 20-40 (1.4-2.8) | 20-40 (1.4-2.8) | 20-40 (1.4-2.8) | 30-50 (2.1-3.5) | 30-50 (2.1-3.5) | 30-50 (2.1-3.5) |
| Maximum permissible pressure PSIG (bar) | 80 (5.5) | 80 (5.5) | 80 (5.5) | 80 (5.5) | 80 (5.5) | 200 (13.8) |
| Mechanical life | 300,000 operating cycles | | | | | |
| Cable entry | 3 Conduit 1/2" Knockouts | 3 Conduit 1/2" Knockouts | 3 Conduit 1/2" Knockouts | 2 3/4"-14 NPT | 2 3/4"-14 NPT | 2 3/4"-14 NPT |
| Pressure switch type | Diaphragm | | | | | |

Ordering Information

Pressure Codes

Below is the pressure code table.
Existence of a code does not imply that the code is available for any or all devices.

| Settings | Code |
|---------------------------|------|
| 20-40 PSI | J20 |
| 30-50 PSI | J21 |
| 40-20 PSI | J23 |
| 40-60 PSI | J24 |
| 60-80 PSI | J25 |
| 70-90 PSI | J26 |
| 70-100 PSI | J28 |
| 75-100 PSI | J29 |
| 80-100 PSI | J30 |
| 90-120 PSI | J31 |
| 100-80 PSI | J51 |
| 100-125 PSI | J53 |
| 110-125 PSI | J54 |
| 110-150 PSI | J56 |
| 120-150 PSI | J57 |
| 125-150 PSI | J58 |
| 125-175 PSI | J60 |
| 130-175 PSI | J61 |
| 140-170 PSI | J66 |
| 140-175 PSI | J62 |
| 145-175 PSI | J63 |
| 150-120 PSI | J64 |
| 150-175 PSI | J67 |
| 215-250 PSI | J65 |
| Specify pressure settings | J99 |

- Specify Class 9013 Type G.
- Select pressure code and add code designation to end of type number. Be sure that pressure code falls within the limits of the device as shown in the device listings.
- If special features are desired, add the appropriate Form letter to the Class and Type. Arrange Form letters in alphabetical sequence when ordering more than one special feature.
- Place packaging code at end of sequence with other forms when ordering. If no packaging code is indicated, devices will be shipped individually packaged.
For standard pack of 10 devices per box C10
Available on GHG, GHG, GSB, and GSG

See page 25 for Form C10.

TALCO FIRE
SYSTEMS



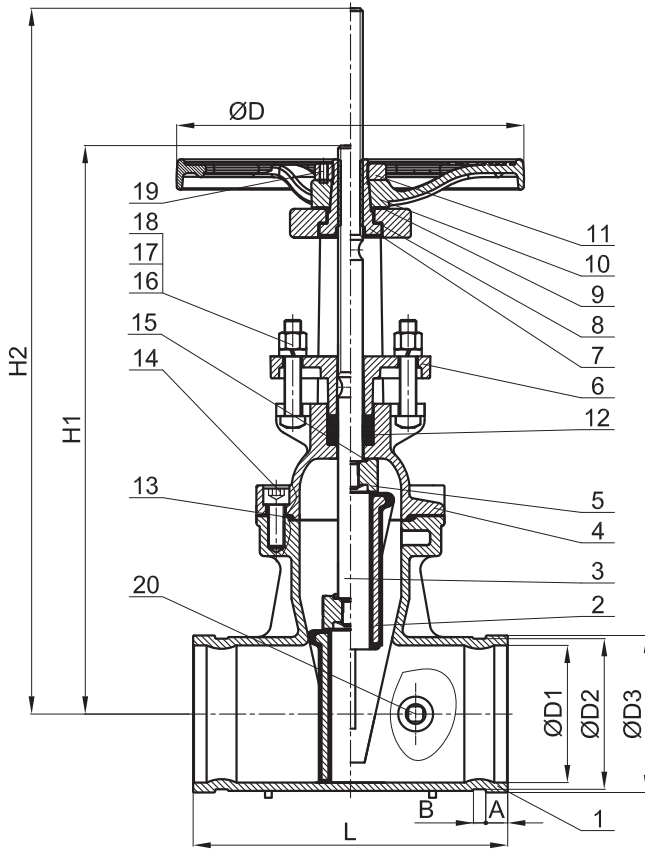
RESIDENTIAL & COMMERCIAL FIRE PUMP SPECIALISTS

6040 NE 112TH AVE. PORTLAND, OREGON 97220

PHONE: 800-878-8055 WWW.TALCOFIRE.COM

Valves & Fittings

**OS&Y RESILIENT SEAT GATE VALVE 2"-12"
GROOVE END**



NOTE:

1. JOINT: GROOVED AWWA C606 .
2. WORKING TEMPERATURE: 0°C~65°C.
3. DESIGN STANDARD: AWWA C515.
4. WORKING PRESSURE: 300PSI.

| Item | Name | Material |
|------|------------------------------|---------------------------|
| 1 | Body | ASTM A536 65-45-12 |
| 2 | Wedge | ASTM A536 65-45-12 + EPDM |
| 3 | Stem | AISI SS304/SS420 |
| 4 | Bonnet | ASTM A536 65-45-12 |
| 5 | Disc Nut | ASTM A351 CF8 |
| 6 | Gland | ASTM A536 65-45-12 |
| 7 | Stem Nut | ASTM B62 |
| 8 | Stem Nut Washer | ASTM B16 |
| 9 | Handwheel Washer | ASTM B16 |
| 10 | Handwheel | ASTM A536 65-45-12 |
| 11 | Handwheel Nut | Carbon Steel Galvanzation |
| 12 | Packing | PTFE |
| 13 | Gasket | EPDM |
| 14 | Hex. Socket Cap Screw | 8.8 Rating |
| 15 | O-Ring | EPDM |
| 16 | Nut | ASTM SS304 |
| 17 | SQ Bolt | ASTM SS304 |
| 18 | Spring Washer | ASTM SS304 |
| 19 | Hex Cylinder Head Set Screws | ASTM SS304 |
| 20 | Plug | ASTM SS304 |

| SIZE | 2 | 2.5 | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L | 7.01 | 7.52 | 7.99 | 9.02 | 10.00 | 10.75 | 11.50 | 12.99 | 14.02 |
| H1 | 13.27 | 13.27 | 14.80 | 16.30 | 19.57 | 22.09 | 28.11 | 33.70 | 39.09 |
| H2 | 16.18 | 16.18 | 18.19 | 20.24 | 24.76 | 27.91 | 36.30 | 43.94 | 51.18 |
| ØD | 7.20 | 7.20 | 9.96 | 9.96 | 12.05 | 12.05 | 13.98 | 17.52 | 17.52 |
| A | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.75 | 0.75 | 0.75 |
| B | 0.31 | 0.31 | 0.31 | 0.37 | 0.37 | 0.37 | 0.43 | 0.50 | 0.50 |
| ØD1 | 1.97 | 2.56 | 3.15 | 3.94 | 4.92 | 5.91 | 7.87 | 9.84 | 11.81 |
| ØD2 | 2.24 | 2.71 | 3.33 | 4.32 | 5.39 | 6.44 | 8.43 | 10.55 | 12.52 |
| ØD3 | 2.37 | 2.87 | 3.50 | 4.50 | 5.56 | 6.63 | 8.63 | 10.75 | 12.75 |



Stock No. 1010201

UL and cUL Listed, FM Approved, CSFM Listed, NYMEA Accepted

Dimensions: 7" L x 3.75" W x 3" D (including bracket)
(17,7 cm x 9,5 cm x 7,6 cm)

Weight: 13.6 oz. (385,5 g.)

Enclosure: Non-Corrosive Composite Material

Environmental Limitations:

- NEMA 4 and NEMA 6P rated enclosure when proper electrical fittings are used. (IP67)
- Temperature range: -40° F to 140° F (-40° C to 60° C)

Housing Cover Tamper: Activated by housing cover removal.

Contact Ratings: SPDT Plug Contacts: 100 mA at 28 VDC/AC
250 mA at 12 VDC/AC
SPDT Cover Tamper: 250 mA at 28 VDC/AC

Cable: 2-wire, 18 Ga. Waterproof - Approx. 8' (2,43m) long

General

The Model PTS-C is designed to supervise sprinkler system control valves and may also be used to secure gates and other applications. This unit is particularly useful for unusual conditions, such as non-rising stem valves.

Nema 6P enclosure allows the device to be mounted outdoors, even in areas subject to flooding such as pits and wells. Sealed reed switch operation virtually eliminates contact corrosion.

Turning the valve wheel will pull the plug out of the receptacle. The plug cannot be reinserted after operation until the plug receptacle cover is removed with the special hex key provided. This key should be left with the building owner or responsible party. Replacement or additional cover tamper screws and hex keys are available. For cover tamper screws, order stock no. 5490344. For hex key, order stock no. 5250062.

Installation

Insert plug into housing, take the loose end of the cable and loop it through the valve handle and into the housing. Adjust the length of cable so the plug must be pulled from the housing when the valve is closed. Cut off excess cable and terminate on the plug terminals of the PC board. Do not leave more than 2" (50mm) of excess wiring in the housing. Dress wires to outside edge of housing so as not to interfere with cover tamper.

Wire Checkout

With the plug wired to the two P terminals and the plug inserted fully into the receptacle, place an ohmmeter across the C and N.O. terminals. The meter will show Open. Unplug the plug from the receptacle. The meter will show continuity.

Note: The two P terminals will always show continuity when the plug is connected regardless of whether the plug is inserted or not.

The cover tamper switch can be wired into the plug circuit or wired as a separate circuit. (See wiring diagrams.)

Testing

The PTS-C and its associated protective monitoring system should be tested in accordance with applicable NFPA codes and standards and/or the authority having jurisdiction (manufacturer recommends quarterly or more frequently).

CAUTION

Be sure valve is fully open before restoring PTS-C.

WARNING

As Stipulated By Factory Mutual And Underwriters Laboratories

This unit is not intended or designed for ordinary use. It is a special application device to be used for unusual conditions such as non-rising stem gate valves where no other approved or listed method of protection is available or practical. As this unit does not meet NFPA codes and standards, requiring restoration signal when the valve is positioned to normal, special attention should be given by the responsible parties to assure that the proper operation of this device is maintained. This device should only be restored to normal when the valve is in the normal condition.

Installation Instructions

Description

TrimFit® Model BFT (Threaded Butterfly Valve) and Model BFG (Grooved Butterfly Valve) close slowly to prevent water hammer. The butterfly valves are designed to be installed in any orientation and monitored to signal if the valve is opened or closed. They are Listed and Approved for use in a fire sprinkler system.



Installation

1. The valve can be installed in any orientation in a piping system with standard ASME B1.20.1 NPT or standard roll or cut grooved pipe.
2. When threading to pipe, apply PipeFit® or equivalent thread sealant or tape.
3. Use a wrench to cramp on the hexagon end of the valve.
4. The tamper switch features two switches: Switch-1 has dual leads on the terminals. This switch is used for connection of the supervisory circuit of a listed fire alarm control panel. Switch-2 has a single lead. This switch is used for connection of auxiliary equipment.
5. All the unused wires need to be capped with lead nuts and tucked into a junction box.
6. All connections need to be reviewed and approved by the appropriate jurisdictional authorities.

7. A No. 14 green wire is fixed inside the switch housing. It is provided as a ground for the housing.
8. The valves are intended for use with ANSI B36.10 Schedule 40 and/or Schedule 80 pipes, sizes 1", 1-¼", 1-½", 2" and 2-½".

NOTE: ALL REPLACEMENT PARTS MUST BE OBTAINED FROM THE MANUFACTURER TO ASSURE PROPER OPERATION OF THE VALVE, AND TO MAINTAIN APPROVAL OF THE DEVICE.

The information contained herein is produced in good faith and is believed to be reliable but is provided for guidance and information purposes only. FPPI and its agents cannot assume liability or responsibility for results obtained in the use or misuse of its product by persons whose methods and qualifications are outside and beyond our control. It is the user's responsibility to determine the suitability of, methods of use, preparation prior to use, and appropriate installation for all products purchased from FPPI. It is the user's sole responsibility to observe and adapt such precautions as may be advisable or necessary for the protection of personnel and property in the handling and use of any of our products.

Specifications

Rated to 300 PSI
Switch rating:
10.1Amps/125/250VAC-60Hz
Actual switch application rating:
10 Amps/115 VAC-60Hz
0.5 Amps/28 VDC
Indoor/Outdoor Use

Materials

Body: Bronze ASTM 584 C83600
Disc: SS304
Handwheel: ASTM A216 WCB
Seat: ASTM D2000 Viton
Indicator: Powder Metal
Housing/Cover: Forged Brass
JIS C3771 (Ref. ASTM C37700)

Available Sizes

TrimFit® Model BFT (Threaded)
06-500-00 1" UL/FM
06-502-00 1¼" UL/ULc/FM
06-504-00 1½" UL/ULc/FM
06-506-00 2" UL/ULc/FM
06-508-00 2½" UL/ULc/FM

TrimFit® Model BFG (Grooved)
06-522-00 1¼" UL/ULc/FM
06-524-00 1½" UL/ULc/FM
06-526-00 2" UL/ULc/FM
06-528-00 2½" UL/ULc/FM

CA Bldg. Materials Listing #
7770-2164-0100



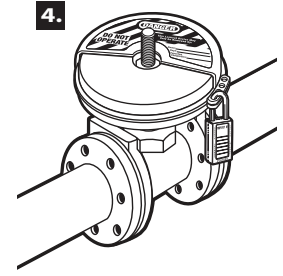
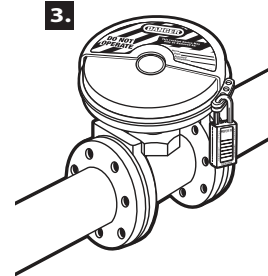
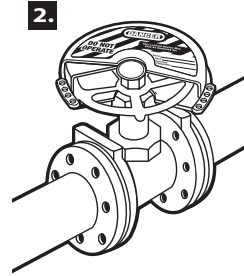
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Valve Handle Lockout Covers

| 1. | Product Number Modèle n° Modelo Núm. | For Valve Handle Diameters Diamètre du volant de manœuvre Para diámetros de manija de válvula |
|----|--|---|
| | 480 | 1 in.- 3 in. (25 mm - 76 mm) |
| | 481 | 2 in.- 5 in. (51 mm - 12.7 cm) |
| | 482 | 4 in.- 6.5 in. (10.2 cm - 16.5 cm) |
| | 483 | 6 in.- 10 in. (15.2 cm - 25.4 cm) |
| | 484 | 8 in.- 13 in. (20.3 cm - 33 cm) |



Assembly Instructions

1. Select the properly-sized cover for the specific valve handle to be locked out. Note: Cover should be loose enough when applied that it does not bind to the valve handle.
2. Rotate the lockout cover to completely surround the valve handle (Illustration 2).
3. Secure with Master Lock safety lockout padlock(s) by inserting shackle(s) through the overlapping locking eyelets (Illustration 3).
4. To secure a valve handle which has a rising stem, cut out the circular center section of the lockout cover (Illustration 4).

One "Valve Handle Lockout Cover" or equivalent, shall be provided; to be used in accordance with NFPA 20, sections 4.17.1 (3) & 4.17.2.



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Master Lock Europe, 92200 Neuilly-sur-Seine, France, 00 33 1 41 43 72 00, E-mail: safety@master-lock.fr

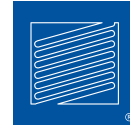
Master Lock Europe-UK Office, Wakes Colne, Colchester CO6 2DB, UK, 0044,1,787,222,027, E-mail: safetyeu@mlc.com

玛斯特锁(上海)有限公司 上海市浦东新区银城中路168号上海银行大厦1006室 400-820-6535 E-mail:safetychina@mlc.com

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LISTED VALVE NOW
AVAILABLE IN
1 1/2" SIZE



- Brass Body* (C38000) for superior corrosion resistance
- Listed valves available in the following sizes: 1 1/2"**, 2", 2 1/2", 3" and 4"
- Available Grooved, Threaded, or Thread by Groove reducing the need for additional fittings and minimizing installation time.
- Pressure rated to up to 300 PSI
- Tapped and plugged for easy use of accessories such as ball drips or gauges

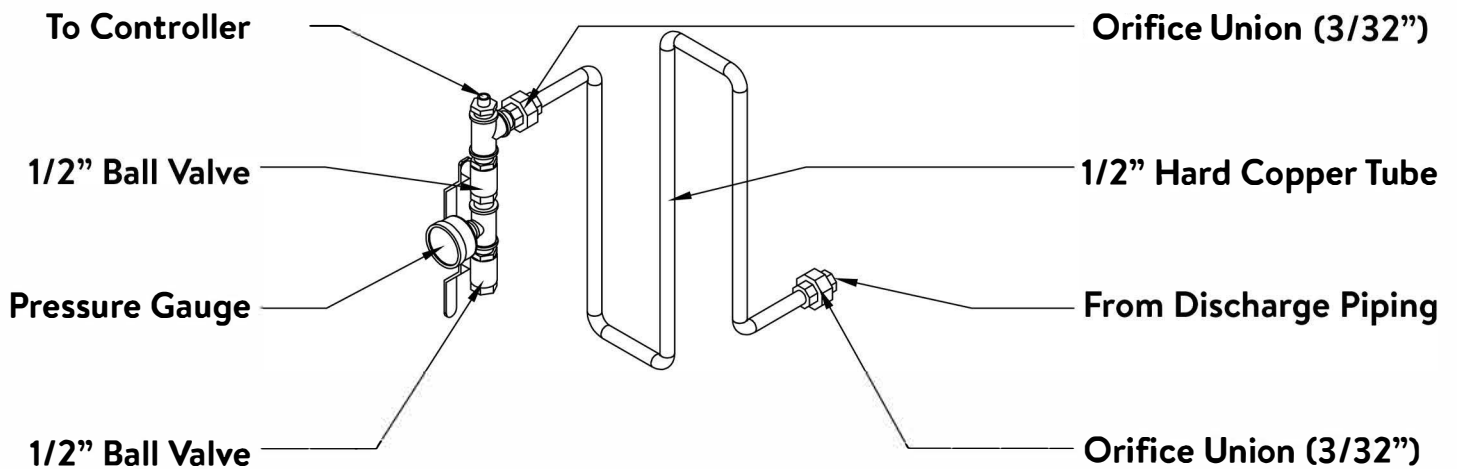


*Contains lead. Not for use in water systems intended for human consumption.

**1 1/2" size is UL/ULc listed only



NFPA20 Sensing Line Detail



Pressure Sensing Lines constructed in accordance with NFPA 20:
All brass or copper components, orifice unions at connections to
both discharge piping & controller valve assembly, minimum 60"
hard copper tubing between unions.