

# Hoffman Specialty<sup>®</sup>

## Model 792

### High Pressure Water Vent Valve



**⚠ CAUTION**

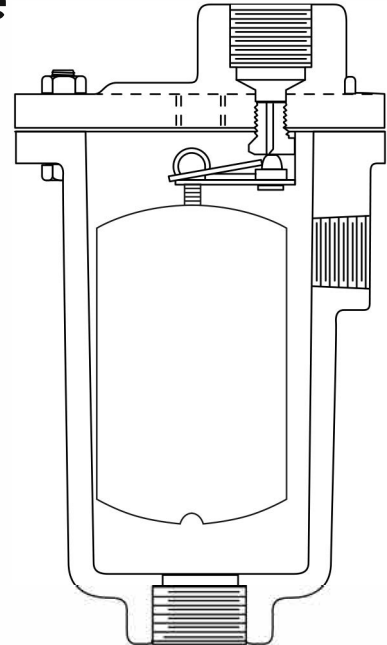
Excessive use of pipe joint compound when installing air vent will foul the vent's operating mechanism allowing water to escape. Pipe joint compound must be conservatively applied to male threads only. Failure to follow this instruction can result in personal injury from hot water and/or property damage.

**⚠ CAUTION**

The use of PTFE impregnated pipe compound and PTFE tape on pipe threads provide lubricity which can lead to overtightening and breakage. Do not overtighten. Failure to follow this instruction can result in personal injury from hot water and/or property damage.

**⚠ CAUTION**

When the vent discharges air or if foreign material from the system fouls the vent's operating mechanism, it is possible for water to also be discharged. Vent must be piped to a drain. Failure to follow this instruction can result in personal injury from hot water and/or property damage.



**IMPORTANT:** To prevent system damage from water hammer or sudden shock, open supply valves slowly.

The vent pressure rating must be equal or greater than the maximum system pressure.

If you are uncertain about the product's adaptability for your application, please call the factory or authorized representative before using the product.

The vent discharge must be connected to a drain or fluid recovery unit to prevent damage to the equipment or structures in the event of leakage.

**⚠ CAUTION**



- Before using product, read and understand instructions.
- Save these instructions for future reference.



- All work must be performed by qualified personnel trained in the proper application, installation, and maintenance of systems in accordance with all applicable codes and ordinances.

- To prevent serious burns, wear heat resistant gloves when opening and closing supply valves, or handling hot equipment.

- To prevent serious burns, the internal pressure of the system must be 0 psi (0 bar) before servicing.



- This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Failure to follow these cautions will cause personal injury.

# INSTALLATION

An equalizing line is recommended for continuous operation applications as with water storage tanks. See Figure 1.

The Hoffman No. 792 Water Vent should always be installed with a safety drain from the discharge port to a suitable waste. At high rates of discharge at pressure, a fine mist will be discharged with the air. If dirt lodges between valve pin and seat, the valve will not close properly and water will be discharged at system pressure until problem is corrected.

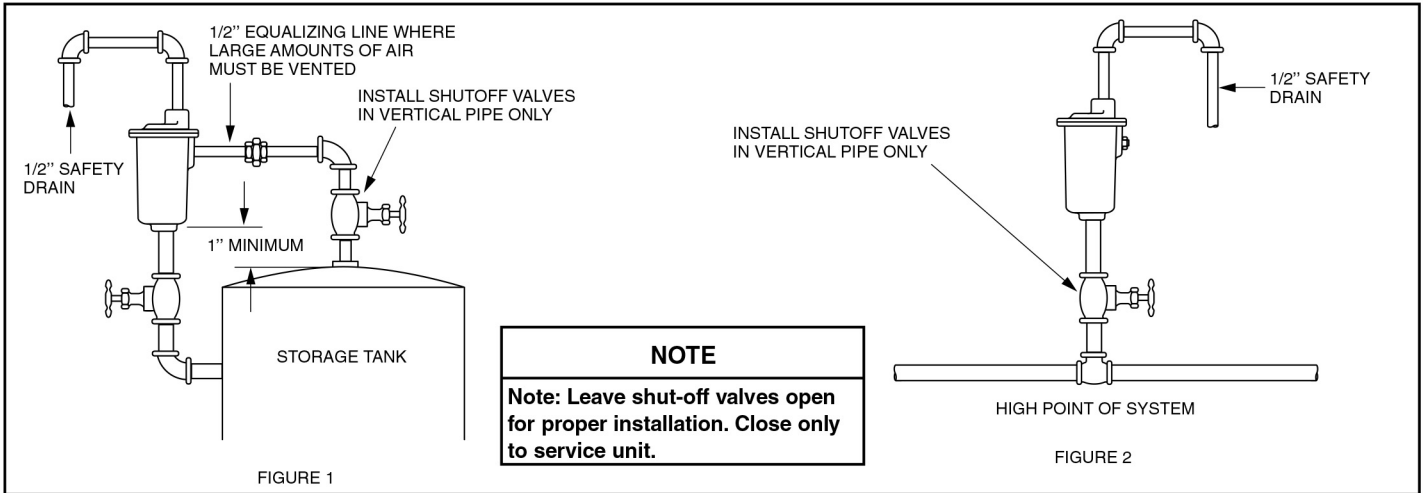
## Temperature and Pressure Limits

**Maximum Temperature:** 300°F (149°C)

**Maximum Operating Pressure:** 250 psig (17.3 bar)

**Maximum Hydrostatic Pressure:** 350 psig (24.2 bar)

| Model 792 Capacity           |   |
|------------------------------|---|
| Water Pressure<br>psig (bar) | Air Discharge to Atmosphere<br>CFM (M <sup>3</sup> /min.) |
| 100 (6.9)                    | 10 (.28)  |
| 150 (10.3)                   | 15 (.42)  |
| 200 (13.8)                   | 20 (.57)  |
| 250 (17.3)                   | 25 (.70)  |



**NOTE**

**Note: Leave shut-off valves open for proper installation. Close only to service unit.**

**⚠ WARNING**

The air vent will discharge air and possibly some liquid during its normal functioning. Avoid eye, face or skin contact with top area of air vent. We recommend the vent connection be piped to a drain to prevent accidental contact with discharging fluids. Failure to follow this instruction can result in serious personal injury and/or property damage.

**⚠ WARNING**

System fluid under pressure and/or at high temperatures can be very hazardous. Before servicing, reduce system pressure to zero or isolate the air vent from the system. Allow system to cool below 100°F. Failure to follow this instruction can result in serious personal injury and/or property damage.

**⚠ WARNING**

Corrosion or leakage are indications that the air vent may be about to cause serious damage from leakage or rupture. It should be periodically inspected and if noted, air vent must be replaced or serviced. Failure to follow this instruction can result in serious personal injury and/or property damage.

- Model 792**
- High Pressure Water**
- Vent Valve (complete unit) . . . . . 401494**
- Service Parts Available**
- Cover Gasket Part No. . . . . 601273
- Internal Parts Kit Part No. . . . . 600204  
(includes cover gasket, pin, seat, lever arm, yoke, cotter pin and integral connecting hardware)
- Float . . . . . 600247

## **COMMERCIAL WARRANTY**

**Warranty.** For goods sold to commercial buyers, Seller warrants the goods sold to Buyer hereunder (with the exception of membranes, seals, gaskets, elastomer materials, coatings and other "wear parts" or consumables all of which are not warranted except as otherwise provided in the quotation or sales form) will be (i) be built in accordance with the specifications referred to in the quotation or sales form, if such specifications are expressly made a part of this Agreement, and (ii) free from defects in material and workmanship for a period of one (1) year from the date of installation or two (2) years from the date of manufacture, whichever shall occur first, unless a longer period is specified in the product documentation (the "Warranty").

Except as otherwise required by law, Seller shall, at its option and at no cost to Buyer, either repair or replace any product which fails to conform with the Warranty provided Buyer gives written notice to Seller of any defects in material or workmanship within ten (10) days of the date when any defects or non-conformance are first manifest. Under either repair or replacement option, Seller shall not be obligated to remove or pay for the removal of the defective product or install or pay for the installation of the replaced or repaired product and Buyer shall be responsible for all other costs, including, but not limited to, service costs, shipping fees and expenses. Seller shall have sole discretion as to the method or means of repair or replacement. Buyer's failure to comply with Seller's repair or replacement directions shall terminate Seller's obligations under this Warranty and render the Warranty void. Any parts repaired or replaced under the Warranty are warranted only for the balance of the warranty period on the parts that were repaired or replaced. Seller shall have no warranty obligations to Buyer with respect to any product or parts of a product that have been: (a) repaired by third parties other than Seller or without Seller's written approval; (b) subject to misuse, misapplication, neglect, alteration, accident, or physical damage; (c) used in a manner contrary to Seller's instructions for installation, operation and maintenance; (d) damaged from ordinary wear and tear, corrosion, or chemical attack; (e) damaged due to abnormal conditions, vibration, failure to properly prime, or operation without flow; (f) damaged due to a defective power supply or improper electrical protection; or (g) damaged resulting from the use of accessory equipment not sold or approved by Seller. In any case of products not manufactured by Seller, there is no warranty from Seller; however, Seller will extend to Buyer any warranty received from Seller's supplier of such products.

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## **LIMITED CONSUMER WARRANTY**

**Warranty.** For goods sold for personal, family or household purposes, Seller warrants the goods purchased hereunder (with the exception of membranes, seals, gaskets, elastomer materials, coatings and other "wear parts" or consumables all of which are not warranted except as otherwise provided in the quotation or sales form) will be free from defects in material and workmanship for a period of one (1) year from the date of installation or two (2) years from the product date code, whichever shall occur first, unless a longer period is provided by law or is specified in the product documentation (the "Warranty").

Except as otherwise required by law, Seller shall, at its option and at no cost to Buyer, either repair or replace any product which fails to conform with the Warranty provided Buyer gives written notice to Seller of any defects in material or workmanship within ten (10) days of the date when any defects or non-conformance are first manifest. Under either repair or replacement option, Seller shall not be obligated to remove or pay for the removal of the defective product or install or pay for the installation of the replaced or repaired product and Buyer shall be responsible for all other costs, including, but not limited to, service costs, shipping fees and expenses. Seller shall have sole discretion as to the method or means of repair or replacement. Buyer's failure to comply with Seller's repair or replacement directions shall terminate Seller's obligations under this Warranty and render this Warranty void. Any parts repaired or replaced under the Warranty are warranted only for the balance of the warranty period on the parts that were repaired or replaced. The Warranty is conditioned on Buyer giving written notice to Seller of any defects in material or workmanship of warranted goods within ten (10) days of the date when any defects are first manifest.

Seller shall have no warranty obligations to Buyer with respect to any product or parts of a product that have been: (a) repaired by third parties other than Seller or without Seller's written approval; (b) subject to misuse, misapplication, neglect, alteration, accident, or physical damage; (c) used in a manner contrary to Seller's instructions for installation, operation and maintenance; (d) damaged from ordinary wear and tear, corrosion, or chemical attack; (e) damaged due to abnormal conditions, vibration, failure to properly prime, or operation without flow; (f) damaged due to a defective power supply or improper electrical protection; or (g) damaged resulting from the use of accessory equipment not sold or approved by Seller. In any case of products not manufactured by Seller, there is no warranty from Seller; however, Seller will extend to Buyer any warranty received from Seller's supplier of such products.

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Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

To make a warranty claim, check first with the dealer from whom you purchased the product or call +1-847-966-3700 for the name and location of the nearest dealer providing warranty service.



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