



Hoffman Specialty® General Catalog

HS-900E

Water Vents

How to Select Water Vents

Model Number	Radiator	Convactor	Mains	Built-in Vacuum Check	Maximum Operating Pressure psig (bar)	Remarks
77	X	X			50 (3.5)	Small Systems
78			X	X	150 (10.3)	High Pressure
79			X	X	75 (5.2)	Low Pressure
790		X			30 (2.1)	Small Systems
791		X	X		50 (3.5)	Small Systems
792			X		250 (17.3)	Cast Iron Body
550		X			100 (6.9)	Air Chamber
508	X	X			50 (3.5)	Moisture Type

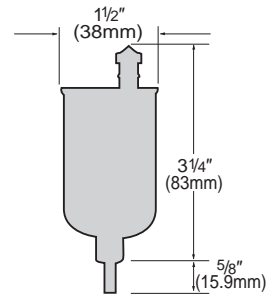
Model 77 Part No. 401497

Water Vent Valve

- For efficient releasing of air in hydronic heating systems, such as baseboard radiators, convactor radiators and small heating units
- 1/8" NPT straight shank
- Maximum operating pressure 50 psig (3.5 bar)*
- Maximum temperature 240°F (116°C)



Water Vent Valve
Model 77



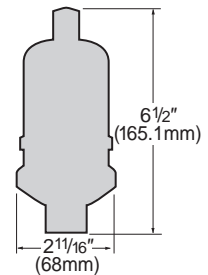
Model 78 Part No. 401485

Water Main Vent Valve

- For use on high pressure hot or cold water or glycol mains and process applications with specific gravity greater than 0.7
- Cast brass body
- Tapped at top for NPT safety drain connection for discharging moisture
- Body unscrews for easy cleaning
- Built-in Check Valve
- 3/4" NPT straight shank
- Maximum operating pressure 150 psig (10.3 bar)*
- Maximum hydrostatic pressure 450 psig (31.1 bar)
- Maximum temperature 250°F (121°C)



Water Main Vent Valve
Model 78



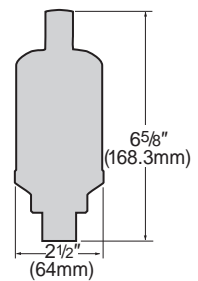
Model 79 Part No. 401488

Water Main Vent Valve

- For use on hot or cold or glycol water mains and process applications with specific gravity greater than 0.7
- Tapped at top for NPT safety drain connection for discharging moisture
- Removable top
- Built-in Check Valve
- 1/2" NPT female and NPT male straight shank
- Maximum operating pressure 75 psig (5.2 bar)*
- Maximum hydrostatic pressure 200 psig (13.8 bar)
- Maximum temperature 250°F (121°C)



Water Main Vent Valve
Model 79



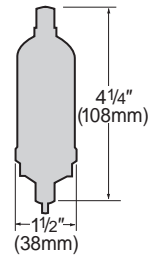
*Drop away pressure (maximum pressure against which the vent can open).

Vents

Model 790 Part No. 401479

Water Vent Valve

- For removing air from convectors, baseboard and wall radiation
- Safety drain connection for discharging moisture
- Fitting and ferrule 1/6" (4.8mm) OD tubing
- Telescopic siphon tube
- 1/8" NPT straight shank
- Maximum operating pressure 30 psig (2.1 bar)*
- Maximum pressure 30 psig (2.1 bar)

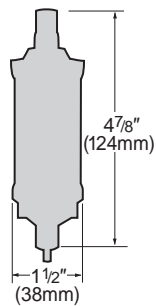


**Water Vent Valve
Model 790**

Model 791 Part No. 401482

Water Vent Valve

- For convectors and small mains
- Safety drain connection for discharging moisture
- Fitting and ferrule 1/6" (4.8mm) OD tubing
- Telescopic siphon tube
- 1/4" NPT straight shank
- Maximum operating pressure 50 psig (3.5 bar)*
- Maximum pressure 50 psig (3.5 bar)

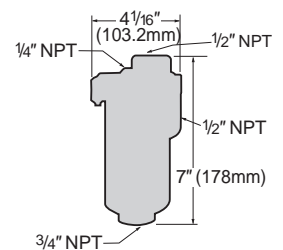


**Water Vent Valve
Model 791**

Model 792 Part No. 401494

High Pressure Water Vent Valve

- For releasing air from hot or cold water or glycol mains, hydronic heating and chilling systems, storage and processing tank filters, centrifugal pumps with specific gravity greater than 0.7
- Cast iron body and cover, stainless steel interior
- Maximum operating pressure 250 psig (17.3 bar)*
- Maximum hydrostatic pressure 350 psig (24.2 bar)
- Maximum temperature 300°F (149°C)



**High Pressure
Water Vent Valve
Model 792**

Model 792 Capacity	
Water Pressure psig (bar)	Air Discharge to Atmosphere cu. ft./min. (cu. m/min.)
100 (6.9)	10 (.28)
150 (10.3)	15 (.42)
200 (13.8)	20 (.57)
250 (17.3)	25 (.70)

*Maximum pressure against which the vent can open.

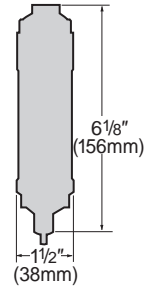
Model 550 Part No. 401476

Air Chamber

- For use on convectors which are not provided with built-in air chambers or air collection fittings
- Brass construction.
- ¼" NPT straight shank connection tapped at the top for ¼" NPT connection
- 6 cubic inch (98.3cm) volume
- Maximum water pressure 100 psig (6.9 bar)
- Maximum steam pressure 25 psig (1.7 bar)



**Air Chamber
Model 550**



Model 508 Part No. 401475

Water Vent Valve

- For automatic or manual venting systems
- Ideal for use with Model 550 Air Chamber
- Disc-type vent
- Built-in check valve
- Cartridge with discs can be replaced without draining the system
- ½" NPT straight shank
- Maximum water pressure 50 psig (3.5 bar)
- Maximum pressure 50 psig (3.5 bar)



**Water Vent Valve
Model 508**

Vents

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 12,700 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

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