APPLICATION

This valve, when properly installed in a cold water supply line and connected to a floor drain trap, will ensure a constant seal of fresh water in the drain trap. Frequently, without such a device, the water seal will evaporate from the trap and allow sewer gas and vermin to enter buildings from the sewer lines.

OPERATING PRINCIPLE

As water is drawn through the supply line by an appliance or water closet, the resulting flow tips the valve mechanism to one side which meters water from the supply line into the primer trap line. Water flow can be observed at the bottom outlet side slots. These side slots act as a vacuum breaker.
INSTALLATION REQUIREMENTS

1. Water lines to which the primer valve will be connected must be clear of dirt.

2. Primer valve must be mounted vertically with sufficient clearance above valve to remove Cap. Connect primer valve to a horizontal cold water supply line near the drain trap.

3. The pipe connecting the primer valve bottom outlet to the drain trap should be at least 1/2 in. inside diameter and must be vertically straight for at least one foot directly below the primer valve.

4. Elbows, tees and reducers must not be connected to the primer valve bottom outlet because they will cause water to flow out through the outlet side slots.

5. The Cap, Valve Seat, Poppet Assembly and O-Rings must be removed prior to any soldering that may be required.

6. Check all connections for leaks and repair as needed. No adjustments are required.

MAINTENANCE INSTRUCTIONS

1. Close supply line valve to shut off water pressure to the primer valve.

2. Remove Cap with a 1-1/4 in. hex wrench. Lift out Poppet Assembly.

3. Unscrew Valve Seat with a 5/8 in. thin wall socket wrench.


5. Place Poppet Assembly on Valve Seat. Small stem must extend into seat orifice.

6. Attach Cap and O-Ring to Valve Body and tighten Cap.

Open water supply line valve. Check for leaks around Cap. Observe flow of water into trap when water is flowing through supply line. No Adjustments are required.
**SPECIFICATION:**
Josam Series 88100 Coated Cast Iron P-Trap with Spigot Inlet and Side Spigot Outlet.

**TRAPS & ACCESSORIES**
**P-TRAP**

**SERIES** 88100

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When (-51) flushing connection is selected, a vacuum breaker should also be installed subject to code requirements.

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**SPECIFICATION:**

**TRAPS & ACCESSORIES**
**DEEP SEAL TRAP, FUNNEL INLET**

**SERIES** 88210

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**WARNING:** Cancer and Reproductive Harm - www.p65warnings.ca.gov
WARNING: Cancer and Reproductive Harm - www.p65warnings.ca.gov

**Traps & Accessories**

**TRAPS & ACCESSORIES**

**TRAP SEAL PRIMER VALVE**

**SPECIFICATION:**
JOSAM 88250 SERIES BRONZE PRIMER VALVE WITH INTEGRAL VACUUM BREAKER AND GASKETED ACCESS COVER FOR INSTALLATION IN A COLD WATER SERVICE LINE TO A SINGLE PLUMBING FIXTURE WITH TRAP CONNECTION FOR MAINTAINING TRAP SEAL.

**SERIES** 88250

**TYPICAL INSTALL**

ACTIVATES AT 10 PSIG DROP

**BRASS PRIMER VALVE:** 88280

**PLASTIC DISTRIBUTION UNIT:** 88290

**88300**

JOSAM SERIES 88300 BRASS TRAP PRIMER VALVE WITH 1/2" NPT INLET, INTEGRAL BACKFLOW PREVENTER, VACUUM BREAKER PORT, AND PLASTIC DISTRIBUTION UNIT FOR TWO TO FOUR PLUMBING FIXTURES.

**NOT INCLUDED**

**NOTES**

DATE OF LAST CHANGE: 02/26/14

*USE OF SUPERSEDED OR VOID DATA.*

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES AND CHANGE WITHOUT NOTICE. WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA.

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**TRAP PRIMER VALVE**

**SPECIFICATION:**
JOSAM SERIES 88300 BRASS TRAP PRIMER VALVE WITH 1/2" NPT INLET, INTEGRAL BACKFLOW PREVENTER, VACUUM BREAKER PORT, AND PLASTIC DISTRIBUTION UNIT FOR TWO TO FOUR PLUMBING FIXTURES.

**SERIES** 88300

**TYPICAL INSTALL**

ACTIVATES AT 10 PSIG DROP

**OPERATING PRESSURE:** 20 - 80 PSIG

**UPC ASSE 1018 APPROVED**

**NOT INCLUDED**

**NOTES**

DATE OF LAST CHANGE: 02/26/14

*USE OF SUPERSEDED OR VOID DATA.*

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**JOSSAM COMPANY**

MICHIGAN CITY, INDIANA

**NOTES**

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**JOSSAM COMPANY**

MICHIGAN CITY, INDIANA

**NOTES**
**SPECIFICATION:**
Josam 88400 Series Coated Cast Iron Spigot Adapter with No-Hub By No-Hub Connection.

**SPIGOT ADAPTER**

**NO-HUB**

**SERIES**

88400

---

**SPECIFICATIONS:**
Josam 88450 Series Coated Cast Iron Trap Primer Adapter with No-Hub by Gasketed (Suffix "P") Hub Connections.

**TRAP PRIMER ADAPTER**

**SERIES**

88450

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**DATE OF LAST CHANGE: 10/10/14**

**NOTES**

Use of superseded or void data.

Josam Company
Michigan City, Indiana

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**WARNING:** Cancer and Reproductive Harm - www.p65warnings.ca.gov
**WARNING:** Cancer and Reproductive Harm - www.p65warnings.ca.gov

**SPECIFICATION:**
JOSAM 88550 SERIES COATED CAST IRON HUB ADAPTER WITH STANDARD CAST IRON SOIL PIPE HUB AND FEMALE THREADED OUTLET.

**TRAPS & ACCESSORIES**
HUB ADAPTER, THREADED OUTLET

**SERIES 88550**

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*MEETS ASTM A-74 XH CAST IRON SOIL PIPE STANDARD*

**NOTES**

DATE OF LAST CHANGE: 11/05/14

**USING OF SUPERSEDED OR VOID DATA.

DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES AND CHANGE WITHOUT NOTICE. WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA.

JOSAM COMPANY
MICHIGAN CITY, INDIANA

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**SPECIFICATION:**
JOSAM 88560 SERIES COATED CAST IRON HUB ADAPTER WITH STANDARD CAST IRON SOIL PIPE HUB AND MALE THREADED OUTLET.

**TRAPS & ACCESSORIES**
HUB ADAPTER, THREADED OUTLET

**SERIES 88560**

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*MEETS ASTM A-47 XH CAST IRON SOIL PIPE STANDARD*

**NOTES**

DATE OF LAST CHANGE: 4/24/15

**USING OF SUPERSEDED OR VOID DATA.

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JOSAM COMPANY
MICHIGAN CITY, INDIANA
**SPECIFICATION:**

Josam 88600 series coated cast iron hub adapter with standard cast iron soil pipe hub and male threaded outlet.

**TRAPS & ACCESSORIES**

**REDUCING HUB ADAPTER**

Series 88600

- **TRAPS AND ACCESSORIES**

**AIR GAP**

Josam 88900 series coated cast iron air gap with integrally cast air ports, threaded inlet and extra-heavy spigot outlet.

**SERIES**

88900

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**NOTES**

**DATE OF LAST CHANGE:** 4/7/14

Josam Company
Michigan City, Indiana

**DATE OF LAST CHANGE:** 4/24/15

Josam Company
Michigan City, Indiana

⚠️ WARNING: Cancer and Reproductive Harm - www.p65warnings.ca.gov
WARNING: Cancer and Reproductive Harm - www.p65warnings.ca.gov

Traps & Accessories

TRAPS & ACCESSORIES
AIR GAP

SPECIFICATION:
JOSAM 88910 SERIES COATED CAST IRON AIR GAP WITH INTEGRALLY CAST AIR PORTS, FEMALE THREAD INLET AND OUTLET.

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NOTE: INSTALL AIR GAP IN EXPOSED LOCATION WHERE MINOR SPLASHING WILL NOT BE A PROBLEM.

TRAPS & ACCESSORIES
FRESH AIR INLET

SPECIFICATION:
JOSAM 88950 SERIES NIKALOY FRESH AIR INLET WITH SATIN PERFORATED GRILLE, STEEL PIPE EXPANSION ANCHORING DEVICE AND VANDAL-PROOF SPANNER LOCKING DEVICE.

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NOTES

DATE OF LAST CHANGE: 4/24/15
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JOSAM COMPANY
MICHIGAN CITY, INDIANA

NOTES

DATE OF LAST CHANGE: 4/24/15
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WARNING: Cancer and Reproductive Harm - www.p65warnings.ca.gov
SPECIFICATION:
JOSAM 88970 SERIES SATIN FINISH NIKALOY FACE FRESH AIR INLET WITH SATIN SLOTTED CONVEX GRILLE AND FEMALE THREADED OUTLET.

TRAPS & ACCESSORIES
FRESH AIR INLET, CONVEX GRILLE

SERIES 88970

NOTES
DATE OF LAST CHANGE: 4/24/15
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WARNING: Cancer and Reproductive Harm - www.p65warnings.ca.gov