



SMITH
FLUID
CONTROLS™

JAY R. SMITH MFG. CO.®
MEMBER OF MORRIS GROUP INTERNATIONAL
POST OFFICE BOX 3237
MONTGOMERY, ALABAMA 36109-0237 (USA)
TEL: 334-277-8520 FAX: 888-377-7818 www.jrsmith.com

LOCATION

PRESSURE DROP ACTIVATED TRAP SEAL PRIMER

TRAP-DEFENDER™

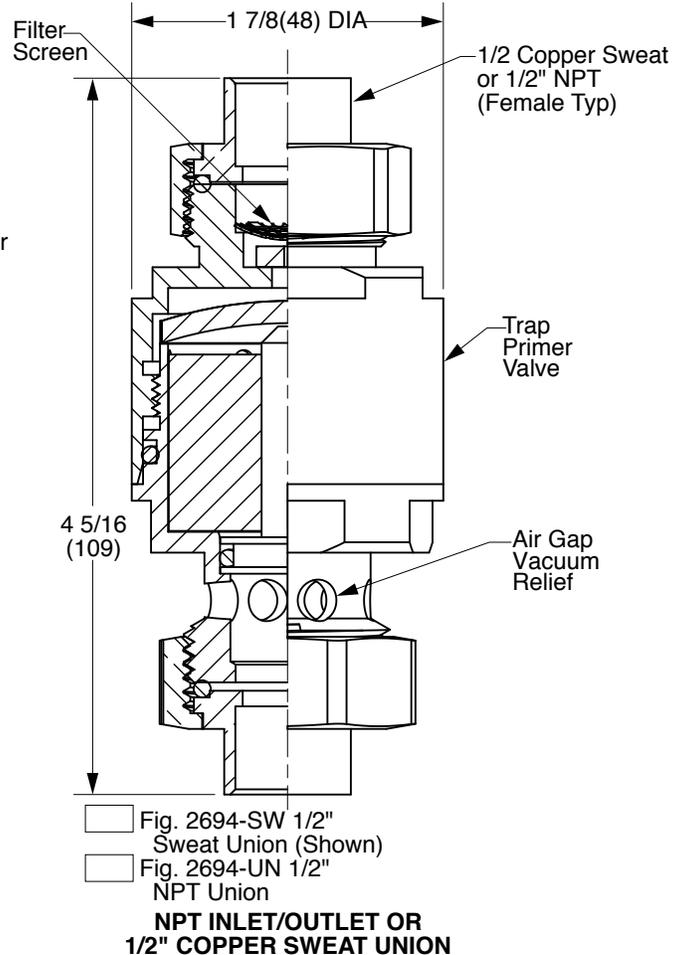
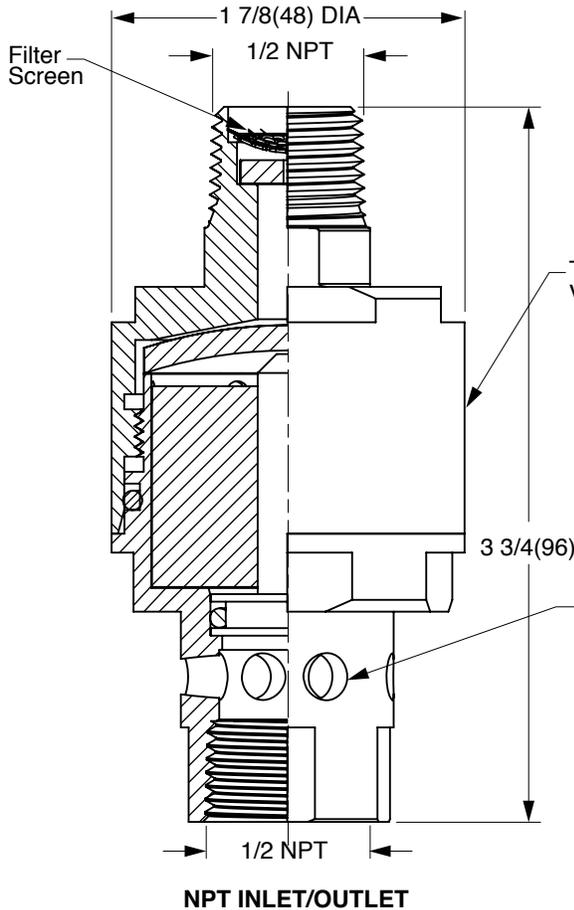


Fig. 2694-SW 1/2" Sweat Union (Shown)
Fig. 2694-UN 1/2" NPT Union

**NPT INLET/OUTLET OR
1/2" COPPER SWEAT UNION**

REGULARLY FURNISHED:
Lead Free Brass with 1/2"
NPT Connections as illustrated.

DISTRIBUTION UNITS
(See Submittals)
Fig. 2694DA
Fig. 2683

OPTIONAL MATERIALS:
 Chrome Plated -CP
 Nickel Plated -NP

NOTES:

- Minimum Pressure Drop 3 PSI - Reacts to positive or negative changes in water pressure
- Operating Pressure Range 20-80 PSIG (138-552 kPa)
- Solder Sweat Connections while Disassembled to Prevent Elastomer Damage
- Dimensions shown in parentheses are in millimeters.
- Assembled & Tested in the USA

CAUTION: MUST BE LOCATED IN AN ACCESSIBLE LOCATION.
The 2694 should not be subjected to continuous, large pressure fluctuations from pumps or other equipment that can cause such fluctuations.



ASSE 1018 LISTED
SEAL NO. 143



C File 3437

COMPLIES with LEAD PLUMBING LAW
"CERTIFIED by IAPMO R & T"
FILE NO. 8477
(NSF/ANSI 372)

PATENT NO. 9,708,808
10,190,306

DRAWING NUMBER
s2694

SIZE
A

SCALE:
NONE

DATE:
3-1-17

APPROVED BY:
AS

CHECKED BY:
AS

DRAWN BY:
TBW

2694

FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

H G F E	2-24-20 5-30-19 5-14-18 4-17-18	Revised Notes Added Patent No. Revised Drawing Revised Notes	MW TBW TBW TBW	CL DP AS AS	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 2694
REV.	DATE	DESCRIPTION	BY	CKD. BY			



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov



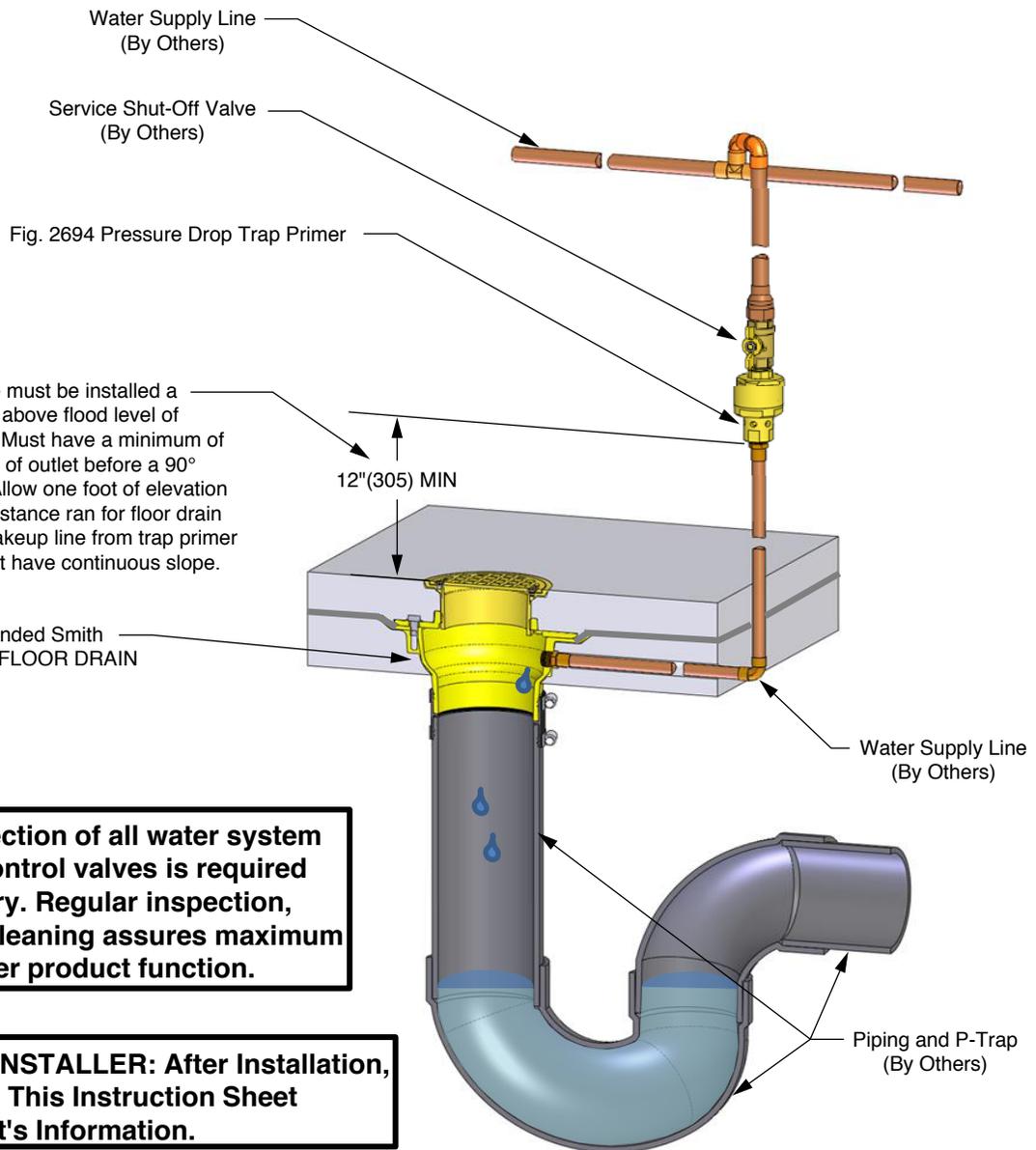
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INSTALLATION INSTRUCTIONS

The Fig. 2694 Trap Primer should be connected to the cold water line only. Do not install on a cold water line serving a drinking fountain only. These devices should be installed in the vertical position, as shown, connected to a tee on the supply line leading to a frequently used fixture or at the end of a supply line and should be accessible for servicing. Before installing Fig. 2694, it is mandatory to flush out the line to remove dirt and scale that may foul trap primer internals. The trap primer valve must be installed a minimum of 12"(305) above flood level of device being served. Must have a minimum of 12"(305) from bottom of outlet before a 90° elbow can be used. Allow one foot of elevation for every 20 feet of distance ran for floor drain make up line. The makeup line from trap primer to the floor drain must have continuous slope. Note flow arrow direction on the trap primer label. Maximum supply pressure 80 psi. Note: A 3 psi (34 kPa) pressure drop across the valve is required to activate delivery of a metered amount of water to the floor drain trap. For supply, pressures below 20 psi or above 80 psi consult factory. The Minimum discharge rate is 0.003 oz / 0.10 mL Per Pressure Drop.



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Annual inspection of all water system safety and control valves is required and necessary. Regular inspection, testing and cleaning assures maximum life and proper product function.

ATTENTION INSTALLER: After Installation, Please Leave This Instruction Sheet For Occupant's Information.

DRAWING NUMBER
S2694BS

SIZE
A

SCALE:
NONE

DATE:
5-15-18

APPROVED BY:
AS

CHECKED BY:
AS

DRAWN BY:
TBW

2694BS

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

B	3-9-20	Revised Instructions, Dimen.	MW	CL
A	2-24-20	Removed ASSE Code	MW	CL
REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	VOLUME CUBIC FEET

**FIGURE NUMBER
2694BS**