



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

2694 DRAWN BY: TBW CHECKED BY: AS APPROVED BY: AS DATE: 3-1-17 SCALE: NONE SIZE: A DRAWING NUMBER S2694
N
L
K
REV. DATE DESCRIPTION BY CKD. BY

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WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

PRESSURE DROP ACTIVATED TRAP SEAL PRIMER

TRAP-DEFENDER®

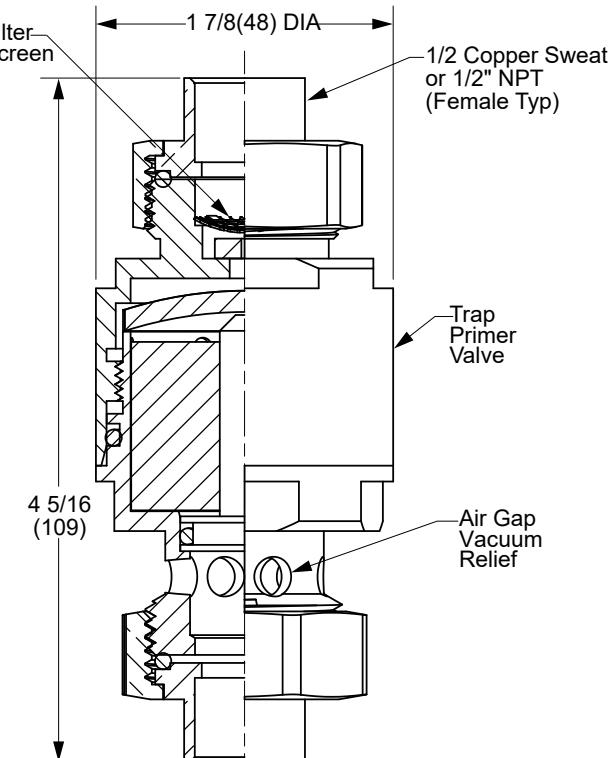
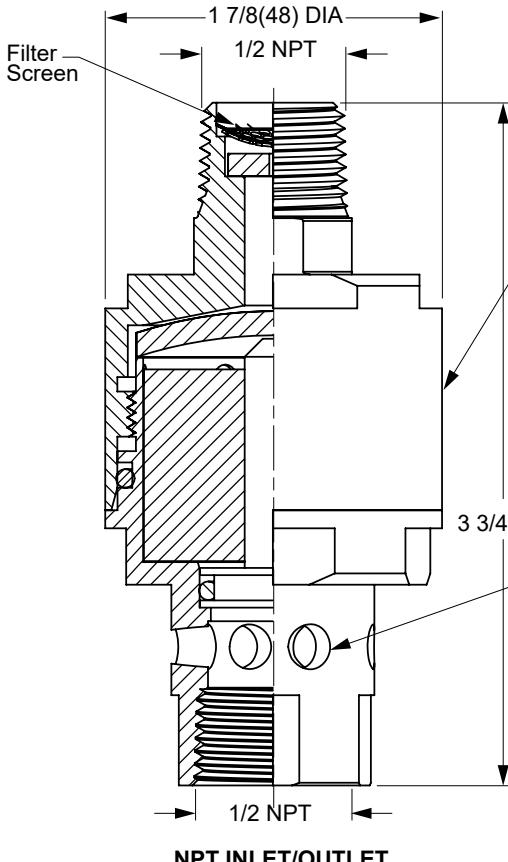


Fig. 2694-SW 1/2" Sweat Union (Shown)

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:

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)
- The Trap Seal Primer must be installed on a cold water line of 1/2"(13)-1 1/2"(38) pipe size.
- 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



File 3437
ASSE 1018
CSA B125.3

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

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

FIGURE
NUMBER

N
M
L
K
7-29-24
6-5-24
11-11-21
7-31-2020
Added /CAN
Changed™ to®
Added Reference Notes
Revised Notes

HS
HS
KK
MW

CL
CL
JM
CL

WEIGHT
POUNDS

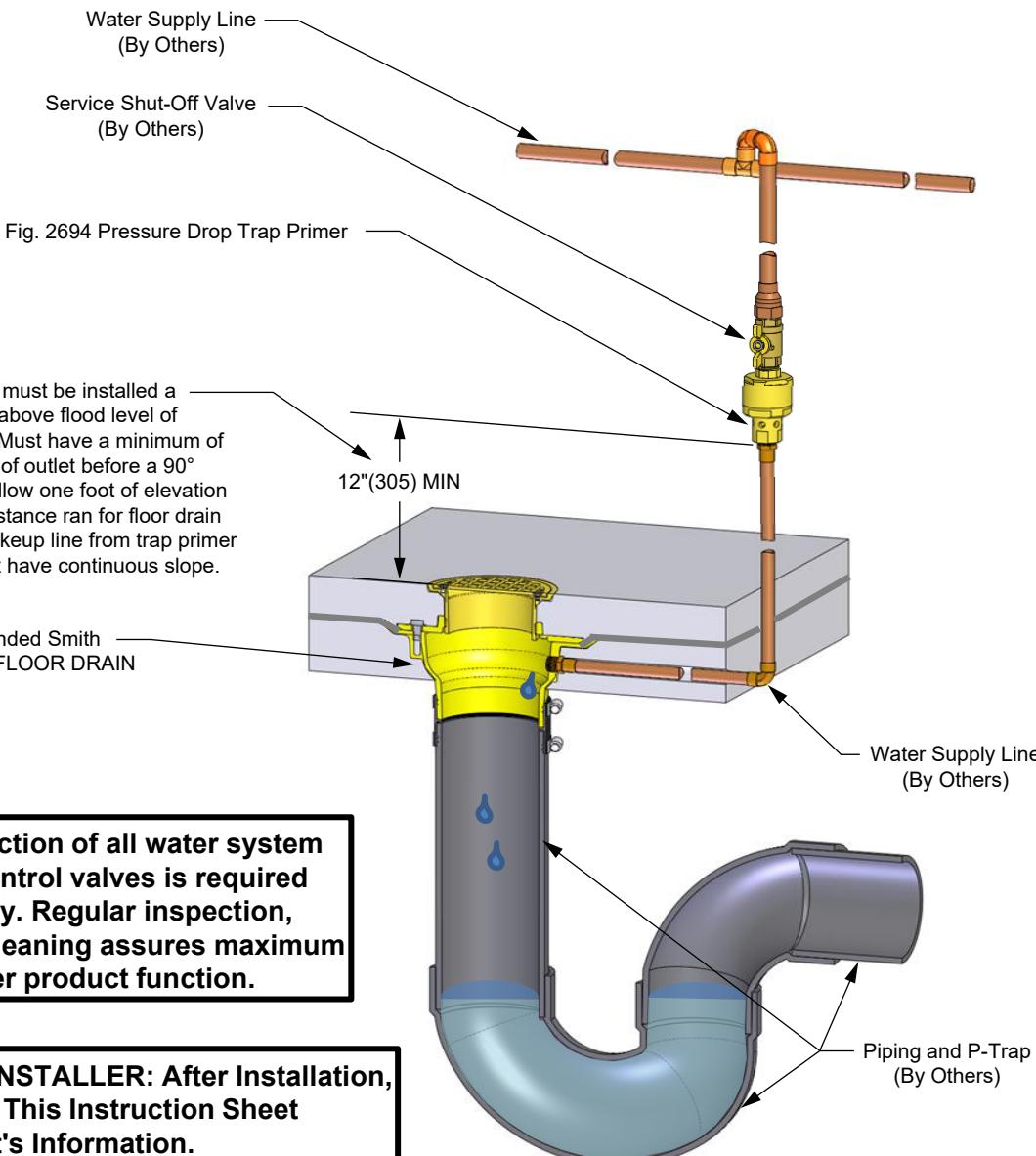
VOLUME
CUBIC FEET

FIGURE NUMBER

2694



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

FIGURE NUMBER	2694INST	 JAY R. SMITH MFG. CO.® <small>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</small>				LOCATION			
		F D C	DATE: 5-15-18	APPROVED BY: AS	CHECKED BY: AS	DRAWN BY: TBW	DRAWING NUMBER S2694INST		
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE									
WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA									
<p>The Fig. 2694 Trap Primer should be connected to a 1/2(13) - 1 1/2"(38) pipe size 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 0.10 mL Per Pressure Drop. NOTE: Do not install on a tank type water heater supply line due to insufficient pressure drop or a line conveying hot water.</p>									
 <p>Fig. 2694 Pressure Drop Trap Primer</p> <p>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.</p> <p>Recommended Smith Fig. 2005 FLOOR DRAIN</p> <p>Water Supply Line (By Others)</p> <p>Water Supply Line (By Others)</p> <p>Piping and P-Trap (By Others)</p>									
<p>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.</p> <p>ATTENTION INSTALLER: After Installation, Please Leave This Instruction Sheet For Occupant's Information.</p>									
F D C	2-10-25 11-4-24 7-18-23 7-31-20	Revised Instructions Added Note Changed BS to INST Revised Instructions	HS HS MW	CL CL CL CL	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER	2694INST	
REV.	DATE	DESCRIPTION	BY	CKD. BY					



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