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## LOCATION

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

# INSTRUCTIONS FOR INSTALLING 2699 WATER SAVING TRAP PRIMER

### INSTALLATION

The 2699 Trap Primer should be connected to the cold line only. <u>For effective</u> priming it should never be connected to a dual hot and cold combination faucet unless the minimum flow on the cold demand exceeds the amount listed on the chart at various operating pressures. See Chart A. <u>Do not install on a cold line</u> serving a drinking fountain only.

These devices should be installed in the horizontal position, as shown, on the supply line leading to a frequenty used fixture. Before installing 2699, be sure to flush out the line to remove dirt and scale which might lodge on the valve seat and disc. Device should be installed a minimum of 12" (305) above the trap and should be accessible for servicing.

Maximum supply pressure 125 psi.

Note: For supply pressures below 20 psi consult factory.

Note: The Data & Instruction on this sheet is also appliable to fig. nos. 2699-NYC & 2699-1-NYC.

### .. HOW IT WORKS

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 fuction.

No. 2699

12" MIN (305) ||

Smith Fig. No. 2699 is a unique design which assures delivery of water to the trap to assure against evaporation of the water seal. Fig. No. 2699 operates by the water flow acting against the main reaction disc (1), which forces the reaction disc in the upward position and removes the trap disc (2) from the plastic trap seat (3). A spurt of water is then delivered to the trap. However, with increased flow, the main reaction disc continues to lift and seals off the closing ring (4) to stop flow to the trap. When the flow through the valve is stopped, the trap disc (2) is returned to the closed position, and in the process, delivers a spurt of water to the trap before closing off.

The importance of this design is that a complete flow cycle through the valve from open to close will actuate the primer twice with two definite pulses; once on opening and once on closing, thus providing a tremendous water savings over competitive modes.

Fig. No. 2699 is furnished with 1/2"(13) NPT female inlet and outlet connections. Fig. No. 2699-1 is furnished with 1/2"(13) union sweat connections.

H)



CHART A					
Inlet					
Pressure	25	50	75	100	125
*GPM	1.1	1.6	2.0	2.3	2.4

\*Minimum cold flow required for proper trap priming.





**TYPICAL INSTALLATIONS** 

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DRIVEN

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DRAWING NUMBER S2699 INST

NONE

3-27-95

A

APPROVED BY

BS

CHECKED BY WMS

DRAWN BY: EMB

2699 INS7

FIGURE

AND CHANGE WITHOUT NOTICE

SUBJECT TO MANUFACTURERS TOLERANCE

SCAL

SUPERSEDED OR VOID DATA

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF