

TRAP PRIMER



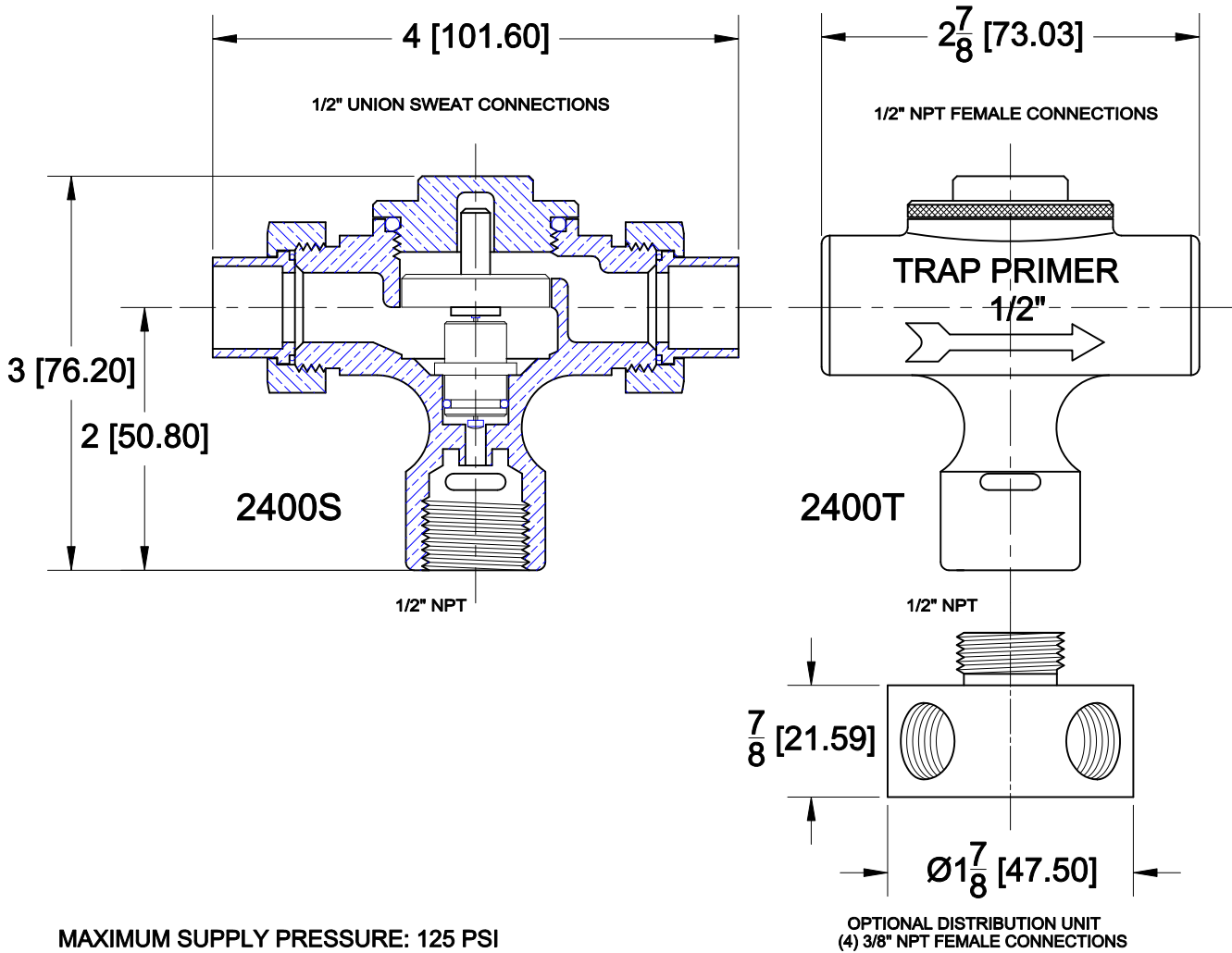
2400

AUTOMATIC TRAP SEAL PRIMER VALVE WITH ALL BRONZE BODY, 1/2" IPS THREADED CONNECTIONS OR 1/2" COPPER SWEAT UNION CONNECTIONS

UPC (IAPMO) LISTED

TESTED AND APPROVED IN CONFORMANCE WITH ASSE 1018
THE AMERICAN SOCIETY OF SANITARY ENGINEERS

CONFORMS TO ASME A112.1.2



MAXIMUM SUPPLY PRESSURE: 125 PSI
MINIMUM SUPPLY PRESSURE MUST EXCEED 25 PSI

FOR PROPER OPERATION, MINIMUM FLOWS MUST EXCEED THOSE STATED IN FLOW CHART

NOTE: MUST BE INSTALLED WITH ACCESS FOR PERIODIC INSPECTION

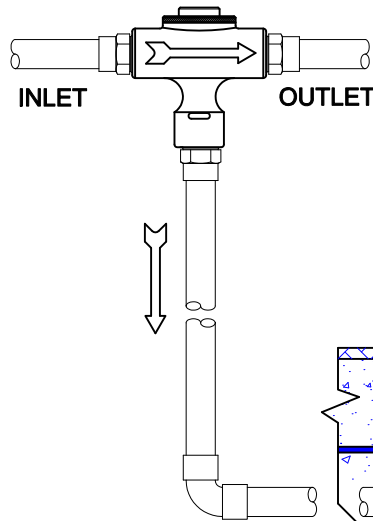
FLOW CHART

Cat. No.	Pipe Size	INLET PRESSURE					
		25	50	75	100	125	
□ 2400-T	1/2" FEMALE THREAD	GPM *	1.1	1.6	2.0	2.3	2.4
□ 2400-S	1/2" COPPER SWEAT UNION	LPM *	4.2	6.1	7.6	8.7	9.1
□ 2400-MF	1/2" IPS DISTRIBUTION UNIT	* Minimum cold flow required for proper trap priming					

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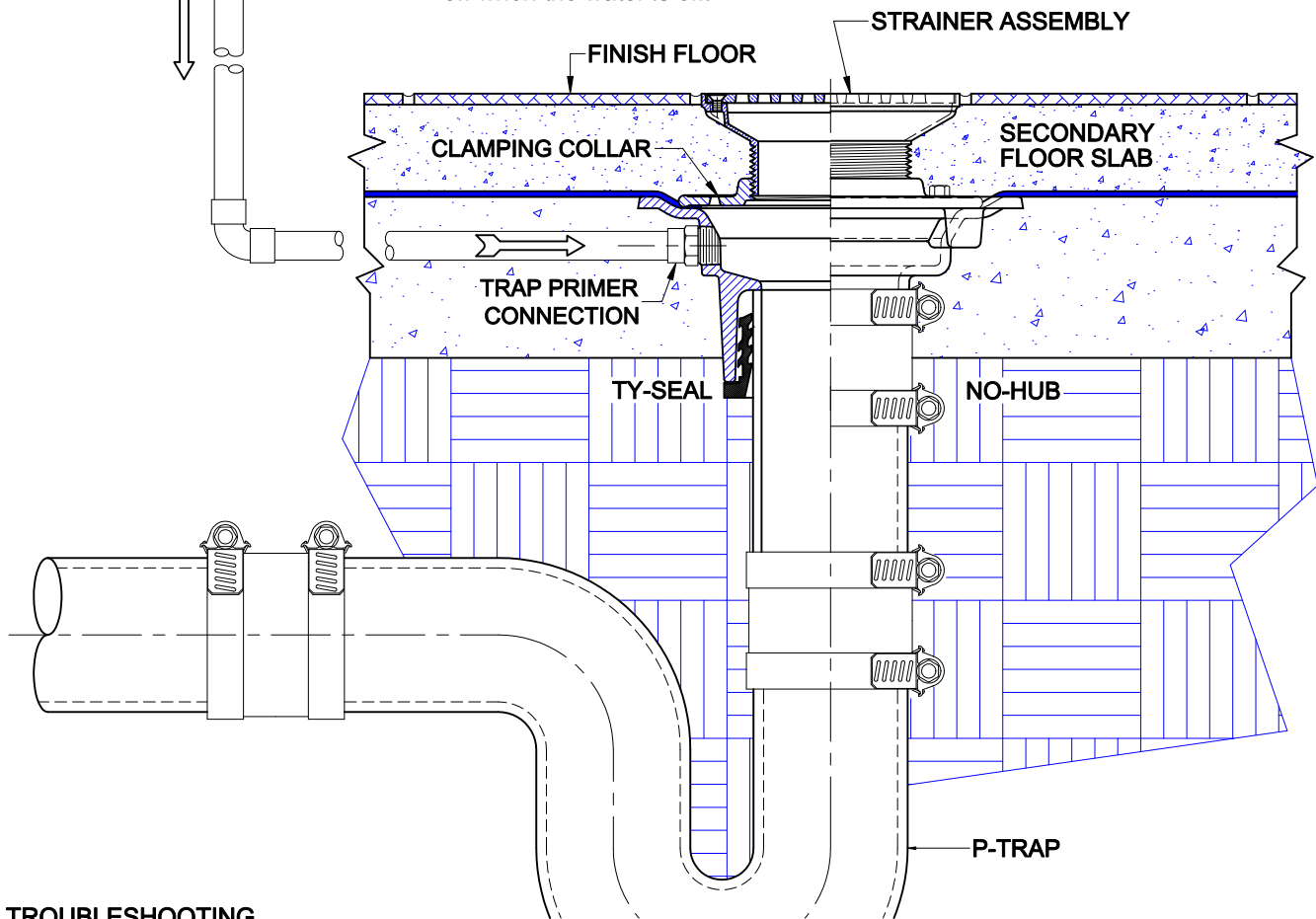
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The Wade 2400 automatic trap primer is used in areas where drains are infrequently used and provides positive protection to maintain trap seals. The trap primer is installed in the supply line to any fixture which provides the flow rates as outlined in Flow Chart (page 1). The automatic trap primer, properly installed in the supply line to a fixture, will automatically supply water to the p-trap of a drain each time the fixture is used. When the fixture supply is activated, the piston inside the trap primer raises when water flows and diverts a small amount to the drain trap.



INSTALLATION

Water supply lines should be flushed clear of chips and debris before installing the Wade automatic trap primer. Install the unit in a frequently used horizontal cold water line above the trap to be protected. The trap primer valve should be at least 12 inches above the top of the drain. Note: Remove valve internals before soldering. Replace after the soldering is complete and cooled sufficiently. After the unit is installed, check that water flows through the vacuum breaker when the cold water line is flowing, and that the valve shuts off when the water is off.



TROUBLESHOOTING

No Water to Drain:

- (1) Check flow rate at the fixture. Minimum flow rate must correspond to flow chart.
- (2) Inspect the piston seat for dirt or debris that may clog the orifice opening.
- (3) Drain line is clogged downstream of the trap primer.
- (4) Trap primer is installed backwards.

Continuous Water to the drain:

- (1) Inspect piston seat for dirt or debris that may be preventing the piston from fully seating.
- (2) Inspect gasket seal of piston for any damage.
- (3) Inspect seals for damage.

Water Spraying Out of Vacuum Breaker

- (1) Drain line is clogged or is of insufficient size. Drain line must be at least 1/2" pipe.
- (2) Inspect piston seat for clogging. Debris lodged inside the seat may divert water.
- (3) Drain line is clogged or is piped to create a trap seal, causing water to back up in the line.

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