For Residential and Light Commercial Applications

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

ThermalPro™ 3-Way Mixing with Pump

1" or 1½" Base Manifold Size

The ThermalPro™ Mixing with Pump panels are available with or without pre-wired actuators and corresponding actuator control. Available with Watts' standard 1" or 1½" Stainless Steel manifold.

Specifications

Includes stainless steel manifold housed in a powder-coated steel enclosure with a latching door. Panels include manifold isolation valves with temperature gauges, a 3-way 24V motorized tempering valve, and a vent/purge assembly with pre-wired 25-58 or 26-99 water lubricated circulator. The enclosure is designed to be surface mounted.

CIRCULATOR DETAILS		25-58	26-99
Casing Material		Cast Iron	
Voltage		120	
Amps/Watts	Speed 1	0.75/87	1.80/197
	Speed 2	0.66/80	1.50/179
	Speed 3	0.55/60	1.30/150
Horsepower		1/25	1/6
Max. Flow Capacity (GPM)		17.5	34
Max. Head Capacity(1) (feet)		19	32

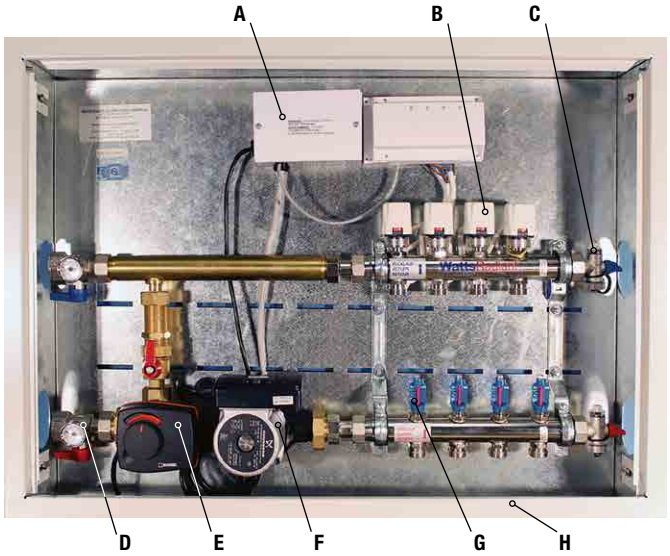
(1) Maximum head capacity shown does not correspond to maximum flow capacity. Refer to circulator specifications for actual pump curves.

Maximum flow rate for a 1" manifold is 12 gpm while the 1½" manifold is 22 gpm. Individual circuit flow meters measure 0-2 gpm each. Manifolds are available in M-2 through M-12.

Panels with actuators may require a pressure differential by-pass valve (ordered separately). If the by-pass is used, the maximum manifold size is reduced to an M-10.

Features

- Surface mounted white powder coated galvanized enclosure with locking (screwdriver slot) access cover
- Optional pre-wired actuators (specific models only)
- 1" or 1½" Stainless Steel Manifold Pair
- Vent/Purge Assembly
- Trunk isolation ball valves with integrated temperature gauges
- Integrated circuit flow meters
- 3-way 24V floating point mix valve (controller not included)
- 25-58 or 26-99 water lubricated circulator



A Actuator Control
B Circuit Actuator
C Vent/Purge Assembly
D Isolation Valve with Temperature Gauge
E Motorized Mix Valve
F Circulator
G Circuit Flow Meter
H Powder-coated Enclosure

⚠ CAUTION

This Engineering Sheet is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.

⚠ WARNING

General Safety Instructions

1. **THIS UNIT SHOULD BE INSTALLED ONLY BY QUALIFIED PERSONNEL!**
2. **Disconnect all power from the control before opening the front cover plate.**

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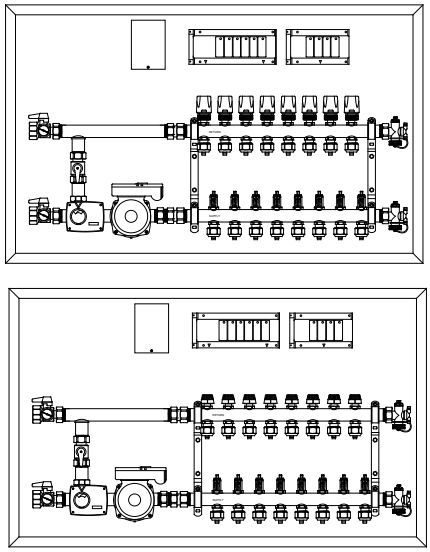
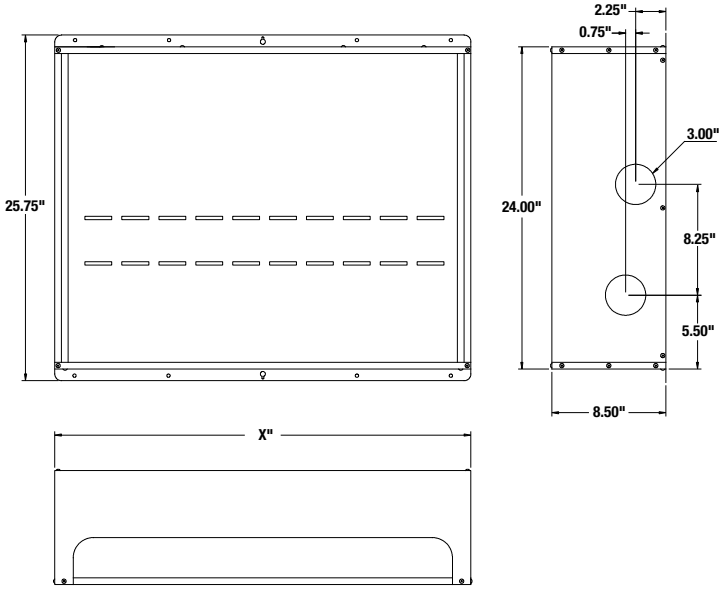
Typical Dimensions





ThermalPro™ Mixing Station shown with and without actuators.
Access door and access panel removed for clarity.

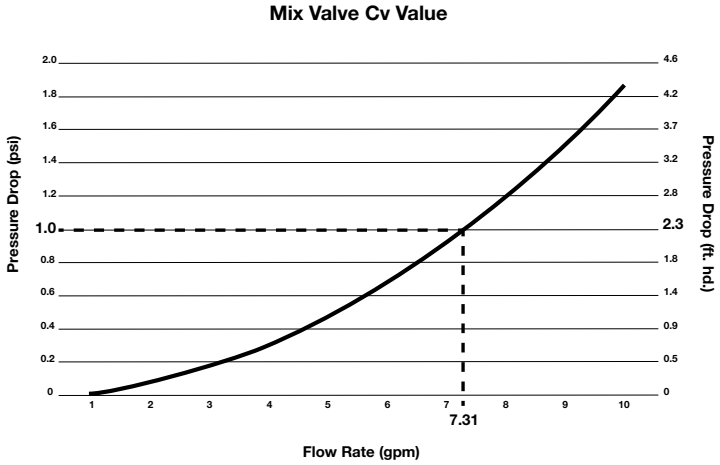
Station Type	Pump Model	Actuator Option	Manifold	Circuits
3WM	0			

- Pump Model — 1: UPS 25-58; 2: UPS 26-99
- Actuator Option — A: With Actuators; N: No Actuators
- Manifold — ST: 1" Stainless Manifold; HF: 1¼" Stainless Manifold
- Circuits — # of Circuits Options: 2-12

# OF CIRCUITS	WT (LBS)	X
2 Circuits	70-80	33" (83.82 cm)
3 Circuits	70-80	
4 Circuits	70-80	
5 Circuits	70-80	
6 Circuits	70-80	
7 Circuits	80-90	42" (106.68 cm)
8 Circuits	80-90	
9 Circuits	80-90	
10 Circuits	80-90	
11 Circuits	90-100	52" (132.08 cm)
12 Circuits	90-100	

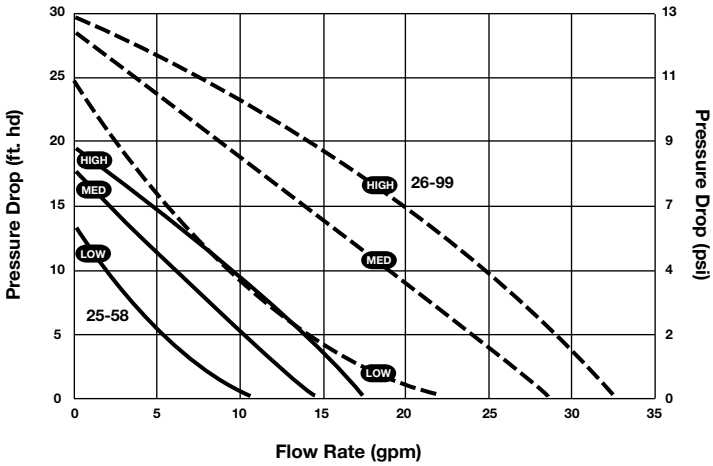
Mix Valve

A floating mix valve is provided with each ThermalPro Mixing Boiler Station with temperature ranges from 100°F-160°F.



Circulator

Three-speed circulator is standard for the ThermalPro Mixing Station to provide for a wide range of system conditions. Circulator speed not to exceed 2 gpm per circuit



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USA: Tel: (800) 276-2419 • Fax: (417) 864-8161 • Watts.com
Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • Watts.ca
Latin America: Tel: (52) 81-1001-8600 • Watts.com