

For Residential and Light Commercial Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

ThermalPro™ Standard with Pump

1" Base Manifold Size

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

Specifications

Includes a 1" stainless steel manifold housed in a powder-coated steel enclosure with a latching door. Panels include manifold isolation valves with temperature gauges and a vent/purge assembly with pre-wired 25-58 water lubricated circulator. The enclosure is designed to be recessed into a standard 4" wall cavity.

CIRCULATOR DETAILS		25-58
Casing Material		Cast Iron
Voltage		120
Amps/Watts	Speed 1	0.75/87
	Speed 2	0.66/80
	Speed 3	0.55/60
Horsepower		1/25
Max. Flow Capacity (GPM)		17.5
Max. Head Capacity ⁽¹⁾ (feet)		19

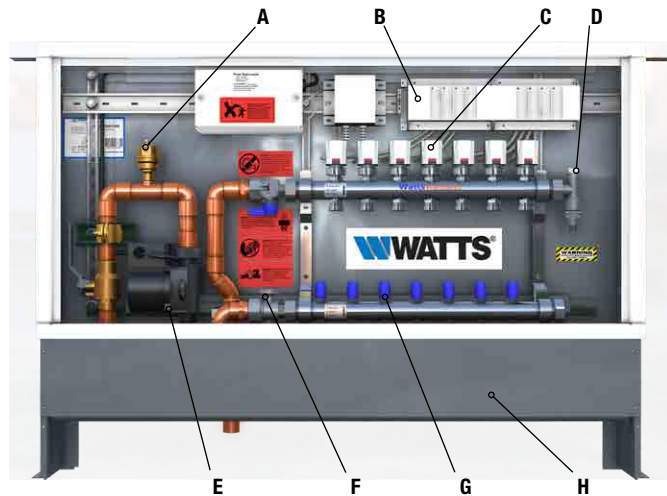
(1) Maximum head capacity shown does not correspond to maximum flow capacity. Refer to circulator specifications for actual pump curves.

Maximum flow rate for entire manifold is 12 gpm. Individual circuit flow meters measure 0-2 gpm each. Manifolds are available in M-2 through M-7.

Panels with actuators may require an optional pressure differential by-pass valve (ordered separately). If the by-pass is used, the maximum manifold size is reduced to an M-5 manifold.

Features

- Flush mounted white powder coated galvanized enclosure with locking (screwdriver slot) access cover
- Enclosure depth can be expanded from 4½" to 5½"
- Optional pre-wired actuators (specific models only)
- Stainless Steel Manifold Pair
- Vent/Purge Assembly
- Trunk isolation ball valves with integrated temperature gauges
- Integrated circuit flow meters
- 25-58 water lubricated circulator



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

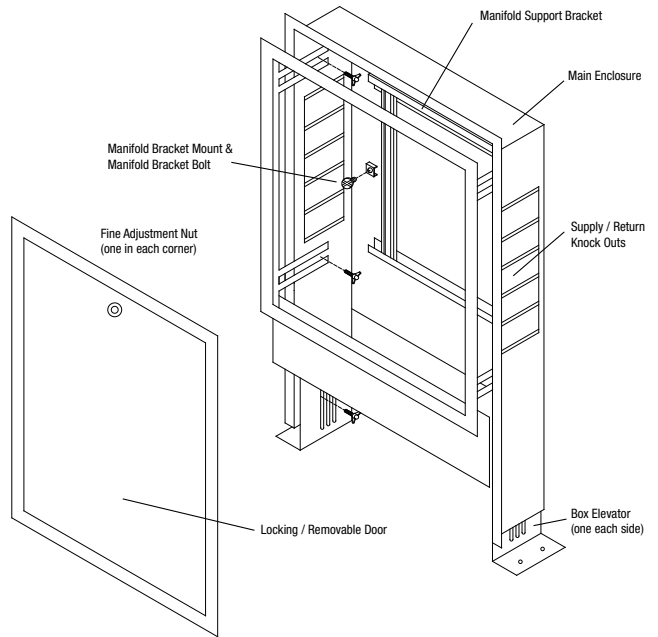
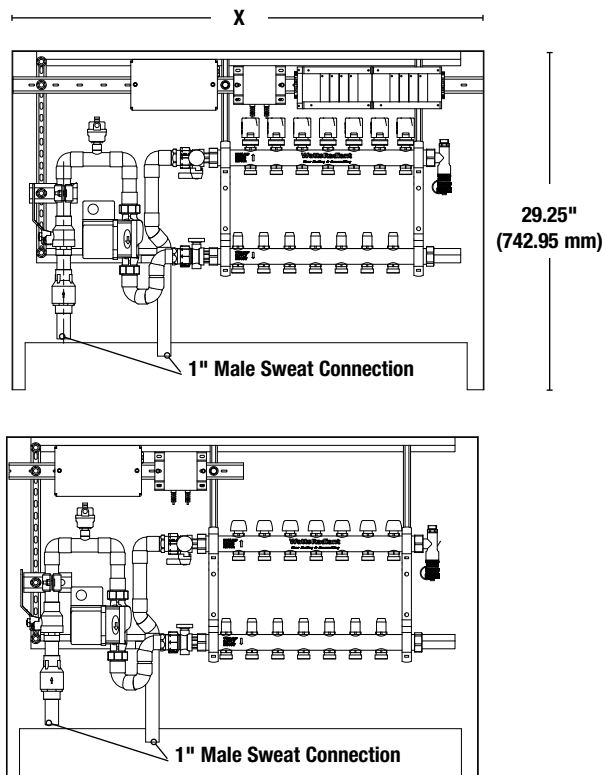
⚠ CAUTION
 This Engineering Sheet is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.

⚠ 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.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



Typical Dimensions



Recessed enclosure measures: 29" tall x 4½" deep.
Can be expanded to 5½" deep.

ThermalPro Standard Pump shown with and without actuators.
Access door, frame, and access panel removed for clarity.

A: With Actuators
N: No Actuators



of Circuits
Options: 2-7

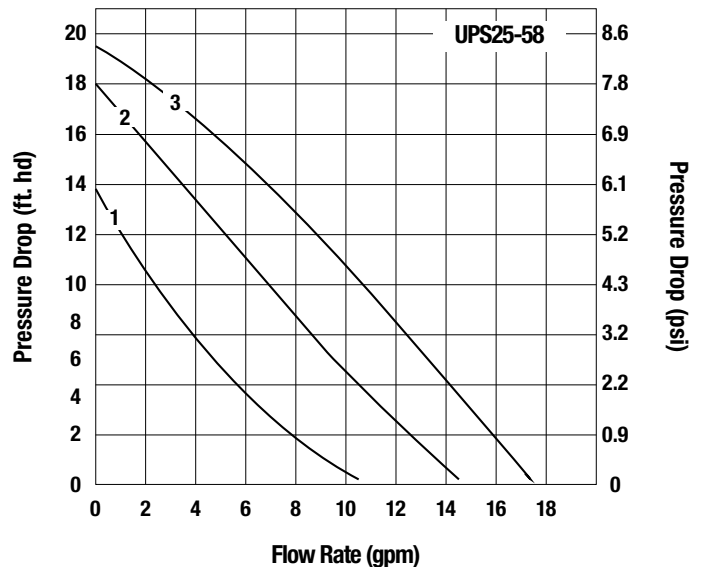
DESCRIPTION	MODEL #	WT (LBS)	X
2 Circuits	ZC- - -	65-70	41.5" (105.41 cm)
3 Circuits		65-70	
4 Circuits		65-70	
5 Circuits		70-75	
6 Circuits		70-75	
7 Circuits		70-75	

Typical Configuration

Standard manifold assemblies are available in 1" configurations only. Refer to the larger ThermalPro assemblies with 1½" Stainless Steel Manifolds if greater than 12 gpm or 7 circuits is required.

Circulator

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



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