

## For Snow Melt Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# ProMelt® Direct Snow Melt Panel

## Direct Piping Configuration

ProMelt® Direct hydronic panels are designed to be a standalone single zone mechanical solution used with a condensing heat source.

### Specifications

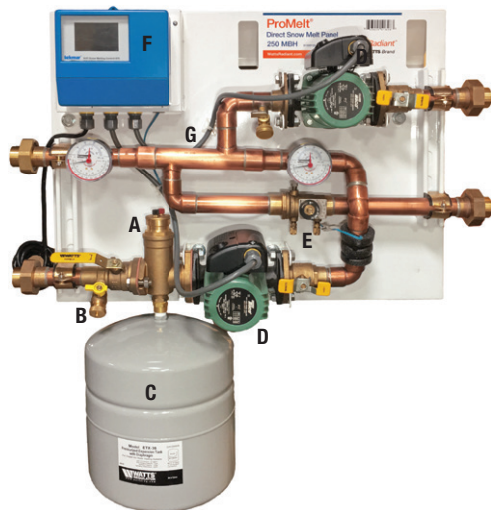
ProMelt Direct panels are designed to tie into an existing system or to be used solely with a condensing boiler or a heat source able to deliver the necessary system fluid temperature. Each ProMelt Direct panel is equipped with dual circulators to provide independent system flow control while maintaining dedicated flow through the heat source. Automatic start and stop operation is provided via the tekmar WiFi Snow Melting Control 670 and slab mounted Snow / Ice Sensor 090.

ProMelt Direct panels are available in both 150 MBH and 250 MBH capacities.

This configuration of panels is capable of controlling a single radiant zone.

Each panel is controlled by a tekmar WiFi Snow Melting Control 670 which can be accessed using the tekmar Connect snow melt app, allowing users to monitor and control the snow melt system when away from the operating site. Panels are secured to a powder coated mounting plate for ease of installation.

- The ProMelt 150 Direct panel is suitable for projects up to 700 square feet and up to 150 BTUs per square foot melting capacity. Up to 50 feet of 1" tubing (supply and return combined) can be used to connect the panel to the snow melt manifold.\*
- The ProMelt 250 Direct panel is suitable for projects up to 1200 square feet and up to 150 BTUs per square foot melting capacity. Up to 50 feet of 1-1/4" tubing (supply and return combined) can be used to connect the panel to the snow melt manifold.\*
- \*If your project requires more than 1200 square feet of coverage, greater than 150 BTUs per square foot of output or requires more than 50 feet total of tubing to connect panel to snow melt manifold, contact Watts technical support for assistance.



- A: Air Remover
- D: Circulator
- G: Hydraulic Separator
- B: Iso-Drain Valve
- E: Circuit Setter
- F: tekmar Control
- C: Expansion Tank

### Features

- Wall mounted white powder coated back panel and cover
- Easy access to all components
- Pre-wired circulators and controls
- Automatic snow/ice detection
- Wireless communications link to predict and prepare for inclement weather
- Integrated leveling system
- Cleats for simplified mounting

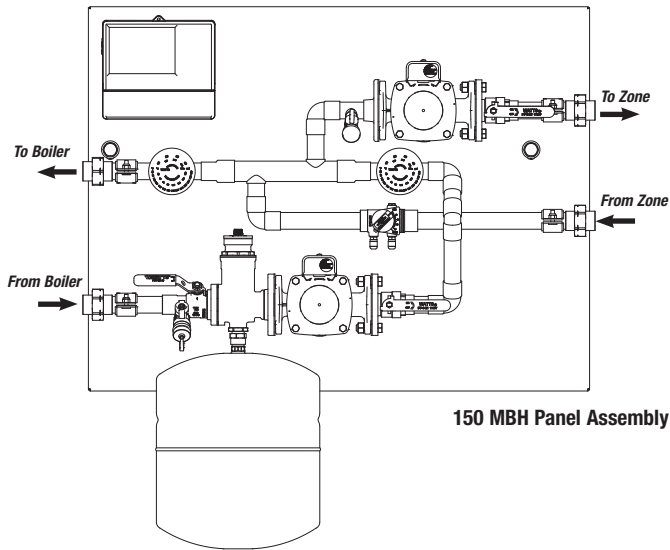
Specifications	
<b>Supply Voltage</b>	120 Volts
<b>Circulator Type</b>	Taco 0011, 0013
<b>Control</b>	tekmar WiFi Snow Melting Control 670
<b>Max. Temp/Pres</b>	210°F @ 30psi
<b>150 MBH Panel</b>	1" Piping, 125 lbs
<b>250 MBH Panel</b>	1-1/4" Piping, 125 lbs

**⚠ 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.

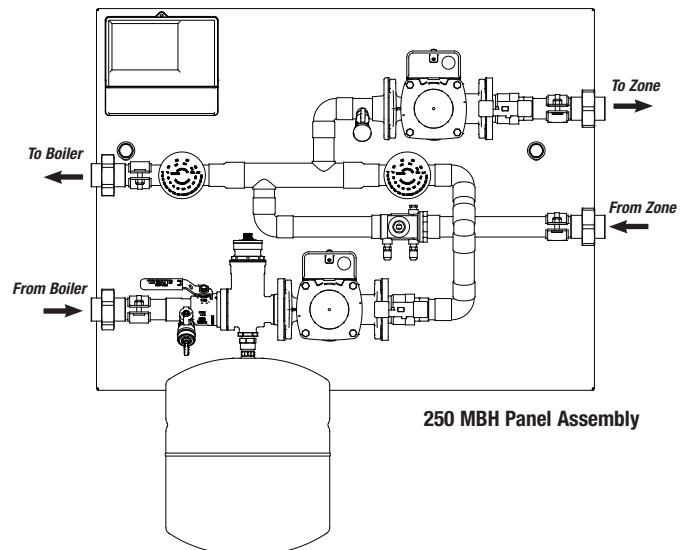
Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior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



# ProMelt Direct Panel



150 MBH Panel Assembly



250 MBH Panel Assembly

√ Description	Order #	Dimensions
150 MBH Panel	81020127	37" x 23" x 18" (93.98 cm x 58.42 cm x 45.75 cm)
250 MBH Panel	81020128	

Each ProMelt® Direct panel comes pre-wired, including a cord with an AC plug for a standard outlet, making on-site electrical connections fast, simple, and secure.

The Snow/Ice Sensor 090 and the Outdoor Sensor 070 are not factory wired. Follow all installation instructions when wiring sensors to the tekmar control.

