For Residential, Light Commercial, and Snow Melt Applications

Job Name _____ Contractor _____

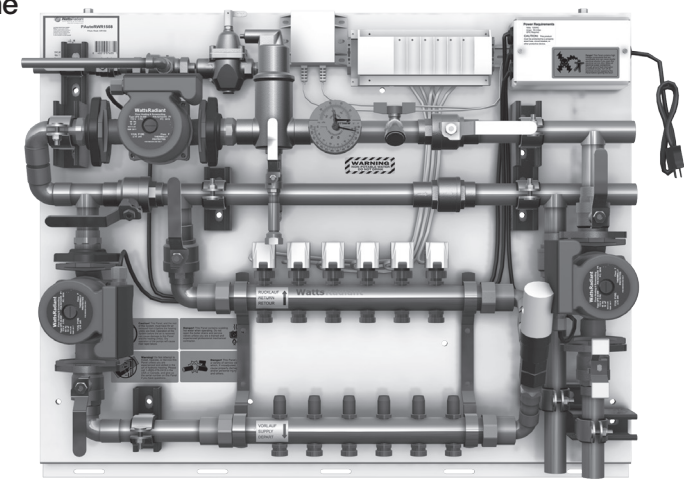
Job Location _____ Approval _____

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

Approval _____ Representative _____

HydroNex® Condensing Boiler Panel

Sizes: 1-1/4" Primary Loop; 1" DHW Zone; 1-1/4" Zone



Condensing Boiler panels are designed to be a stand alone mechanical solution, used with a condensing heat source.

The panel circulators are controlled by the boiler via field wiring. Outdoor reset, DHW priority and other features are dependent on the boiler control.

The Type 1 panel provides only a secondary circulator and works with condensing boilers that supply their own primary circulator. The Type 3 panel provides primary, secondary,and DHW circulators. Both panels include 1-1/4" piping with air remover and expansion tank connection, as well as an optional auto-fill assembly. Panels are available with 4, 5, 6, or 8 zones.

When selecting a Condensing Boiler panel, the following guidelines should be followed:

– Make sure the fluid temperature of the combined radiant zones fall within 10 degrees of the required temperature (i.e. 110, 114, 118 supply temperature requirements can be grouped).
– Make sure the combined flow rates of the selected zones do not exceed 22 gpm.

Installation Parameters

Make sure an electrical outlet is within 3 feet of where the Condensing Boiler panel will mount. If there are no outlets, one will need to be added.

Install and level Z-Bracket with 1/4" x 2-1/2" lag screw to studs. Make sure the Z-Bracket is the correct size for the given Condensing Boiler panel. Incorrect Z-Brackets may interfere with cover placement.

Hang the Condensing Boiler panel on the Z-Bracket. Lag screws should be added to the bottom of the panel, further securing the panel to the wall. Hang cover from top down.

In order to avoid property damage, injury, and/or death, please refer to the complete installation manual and warnings provided with the product.

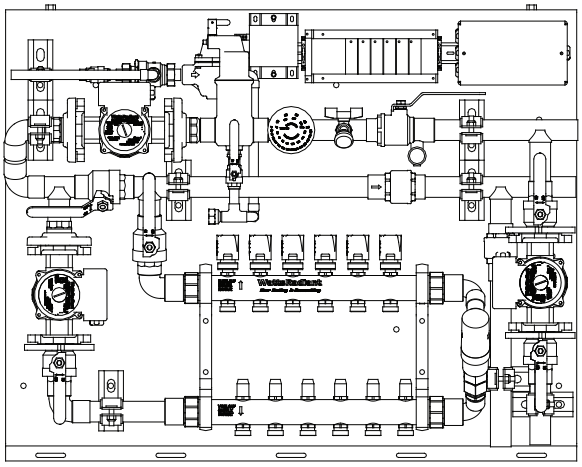
Features
Wall mounted white powder coated back panel and cover
Easy access to all components
Pre-wired circulators and controls
Integrated leveling system
Z-Bracket for simplified mounting
DHW capability

Specifications	
Supply Voltage	120 Volts
Circulator Type	Watts Radiant 26-99 (three speed)*
Electrical	Zone Valve Relay Box Terminal Strip
Temperature, Pressure Ratings	167ºF @ 87 psi.

* Provides approximately 15 gpm at 20 ft /hd on high speed

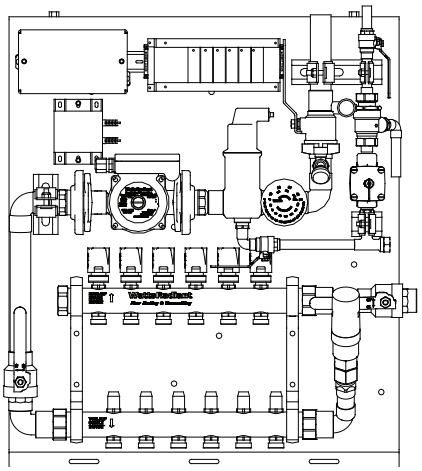
WattsRadiant™
Floor Heating & Snow Melting

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.



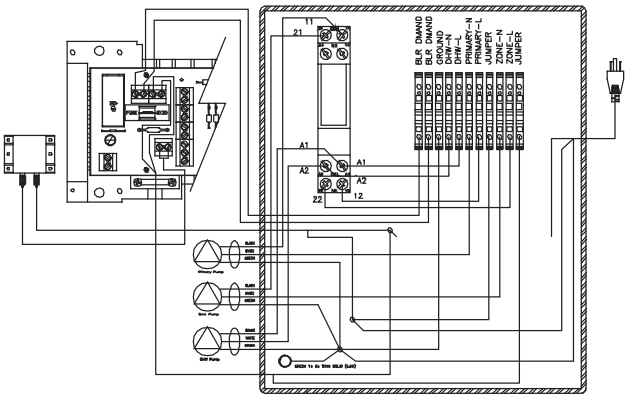
Condensing Boiler Panel, Type 1

Panel is equipped with a primary, zone, and domestic water circulators.

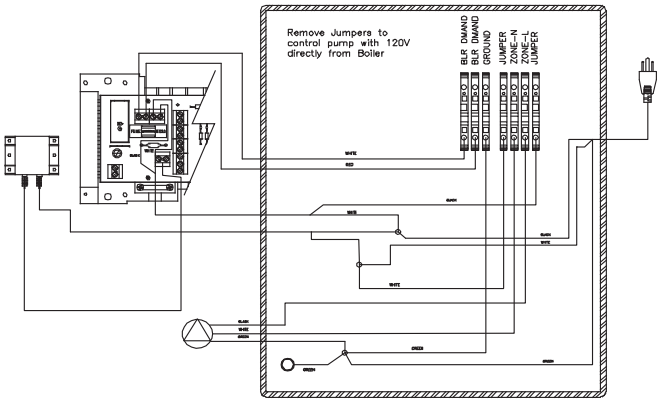


Condensing Boiler Panel, Type 3

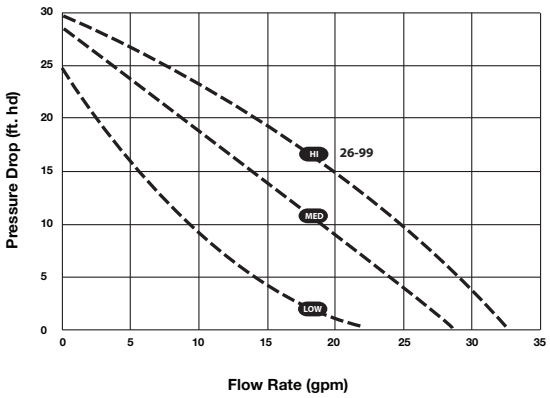
Panel is equipped with a zone circulator only. Primary and domestic water (if necessary) are provided with the heat source.



Type 1 Condensing Boiler Panel Schematic



Type 3 Condensing Boiler Panel Schematic



Watts Radiant (Grundfos) Circulators

1: Type 1 (Zone Circulator only)
3: Type 3 (Primary, Zone, and DHW Circulators)

_____ – _____ – _____

SCA: Auto Fill
SCM: Manual Fill

# of circuits
options: 4, 5, 6, 8

DESCRIPTION	MODEL #	WT. (lbs)	SIZE
Type 1 Zone pump only (Watts Radiant 2699) For boilers with primary circulators	_____ - 1 - 4	60-70	S
	_____ - 1 - 5	60-70	S
	_____ - 1 - 6	60-70	S
	_____ - 1 - 8	60-70	S
Type 3 Boiler, Zone, and DHW pumps (all Watts Radiant 2699s)	_____ - 3 - 4	150-160	M
	_____ - 3 - 5	150-160	M
	_____ - 3 - 6	150-160	M
	_____ - 3 - 8	150-160	L

S = 28" wide x 31.5" tall x 12" deep
M = 40" wide x 31.5" tall x 12" deep
L = 52" wide x 31.5" tall x 12" deep

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