

For Residential, Light Commercial, and Snowmelt Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

HydroNex D-Series DVIP Hybrid Panel

Sizes: 1-1/4" Trunk; 3/4" Zone

Hybrid VIP panels use injection reset mixing to modulate the supply fluid temperature to the radiant zones. The injection bridge is 1/2" in size for all DVIP Hybrid panels. All zones are 3/4" supply with a common 1" return.

A Tekmar 361 is provided to control the injection circulator.

The first zone on the panel is dedicated for an indirect water heater and is wired accordingly with Domestic Hot Water priority. If this zone does not feed an indirect DHW unit, the priority condition will need to be changed in the relay box.

The DVIP Hybrid panel also allows users to field-select the number of high temperature and mix zones. High temperature zones will be supplied with direct boiler water, while the mixed zones will be fed tempered water from the injection bridge. To select the zones, open or close the appropriate ball valves.

When selecting a Hybrid VIP Panel, the following guidelines should be followed:

- Make sure all zones feeding from the injection circulator fall within a 20 degree required temperature range. (i.e. 110, 114, 125 supply temperature requirements can be grouped from a single injection circulator).
- Make sure 25% of the combined flow rates of the selected zones do not exceed 5 gpm (or the combined zone gpm can not exceed 20 gpm). Higher flow rates may result in lower maximum supply fluid temperatures.

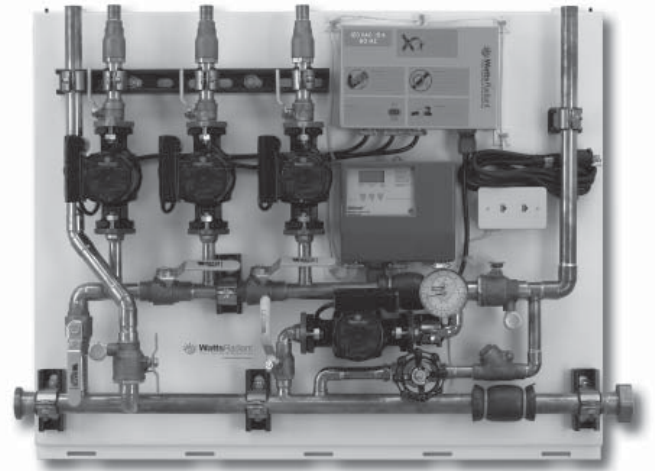
Installation

Make sure an electrical outlet is within 3 feet of where the D-Series panel will mount. If there are no outlets nearby, 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 D-Series panel. Incorrect Z-Brackets may interfere with cover placement.

Hang the D-Series panel on the Z-Bracket. Optional lag screws may be added to the bottom of the panel, further securing the panel to the wall. Hang cover from top down.

To purge a Hybrid VIP panel make sure all necessary isolation valves are closed and all purge valves are open. Proceed until



all zones are filled and purged. Open all purge ball valves and cap the drain. Make sure all isolation ball valves are open for normal operation.

Refer to the installation manual for further details.

Features

- Wall mounted white powder coated back panel and cover.
- Easy access to all components.
- Pre-wired circulators and controls.
- Simple CAT 5 jump wiring to connect panels.
- Single union connection between panels.
- Integrated leveling system.
- Z-Bracket for simplified mounting.
- Field selected high and mix temperature zones.

Specifications

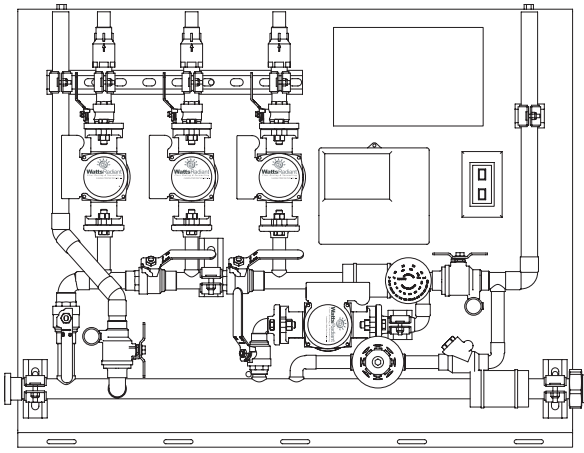
Supply Voltage	120 Volts
Circulator Type.	Watts Radiant 15-58
 Taco 007
 Bell and Gossett NRF-22
Electrical	Relay and CAT 5 Connection
Injection/Reset Control	Tekmar 361

Available at: 631-240-9173
PEXHEAT.COM

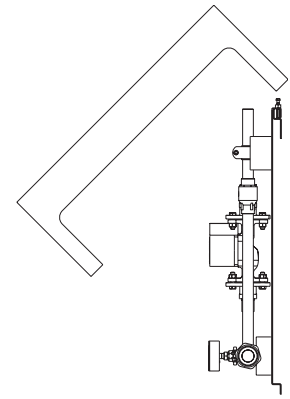
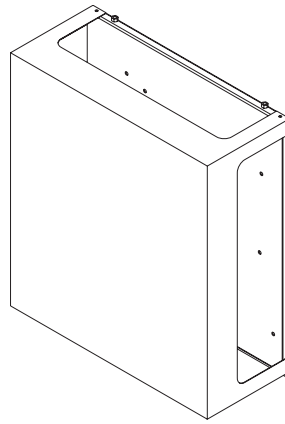
WattsRadiant
 Floor Heating & Snowmelting

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Hydronex D-Series DVIP Hybrid 3 zone panel. DVIP Hybrid series are available from 2 to 5 zones.



Product Options

Qty.	Description	Part #	Order #	Panel Size
	DVIP-Hybrid Panel, 2 Watts Radiant 15-58 Pumps	DVIP2HybridWR1558	81005912	40" x 31.5"
	DVIP-Hybrid Panel, 3 Watts Radiant 15-58 Pumps	DVIP3HybridWR1558	81005913	40" x 31.5"
	DVIP-Hybrid Panel, 4 Watts Radiant 15-58 Pumps	DVIP4HybridWR1558	81005914	52" x 31.5"
	DVIP-Hybrid Panel, 5 Watts Radiant 15-58 Pumps	DVIP5HybridWR1558	81005915	52" x 31.5"
	DVIP-Hybrid Panel, 2 Taco 007 Pumps	DVIP2HybridTA007	81005916	40" x 31.5"
	DVIP-Hybrid Panel, 3 Taco 007 Pumps	DVIP3HybridTA007	81005917	40" x 31.5"
	DVIP-Hybrid Panel, 4 Taco 007 Pumps	DVIP4HybridTA007	81005918	52" x 31.5"
	DVIP-Hybrid Panel, 5 Taco 007 Pumps	DVIP5HybridTA007	81005919	52" x 31.5"
	DVIP-Hybrid Panel, 2 Bell & Gossett NRF-22 Pumps	DVIP2HybridBGNRF22	81005920	40" x 31.5"
	DVIP-Hybrid Panel, 3 Bell & Gossett NRF-22 Pumps	DVIP3HybridBGNRF22	81005921	40" x 31.5"
	DVIP-Hybrid Panel, 4 Bell & Gossett NRF-22 Pumps	DVIP4HybridBGNRF22	81005922	52" x 31.5"
	DVIP-Hybrid Panel, 5 Bell & Gossett NRF-22 Pumps	DVIP5HybridBGNRF22	81005923	52" x 31.5"