



Open, single layer construction design means easy access to all major components.

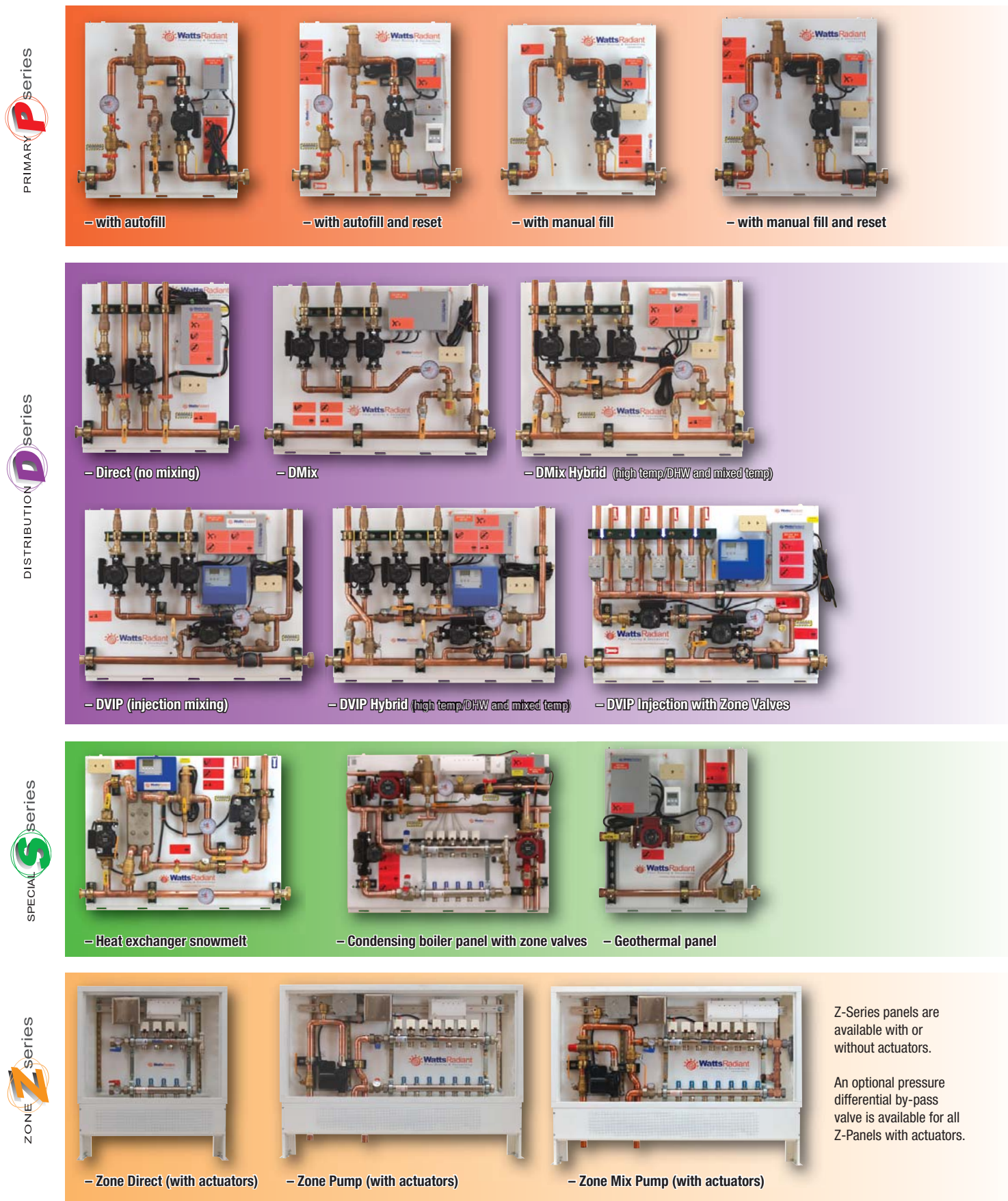
Quick installation with little to no learning curve required.

Designed for manual mixing, injection mixing, with circulators, or with zone valves. HydroNex has the right module for nearly every application.

Modular design provides a unique ability to customize any project.

Large 1-1/4" main trunk line allows for applications with loads up to 200 MBH.

All components are pre-wired and tested.
CAT-5 cable connects one panel to the next.



USA:
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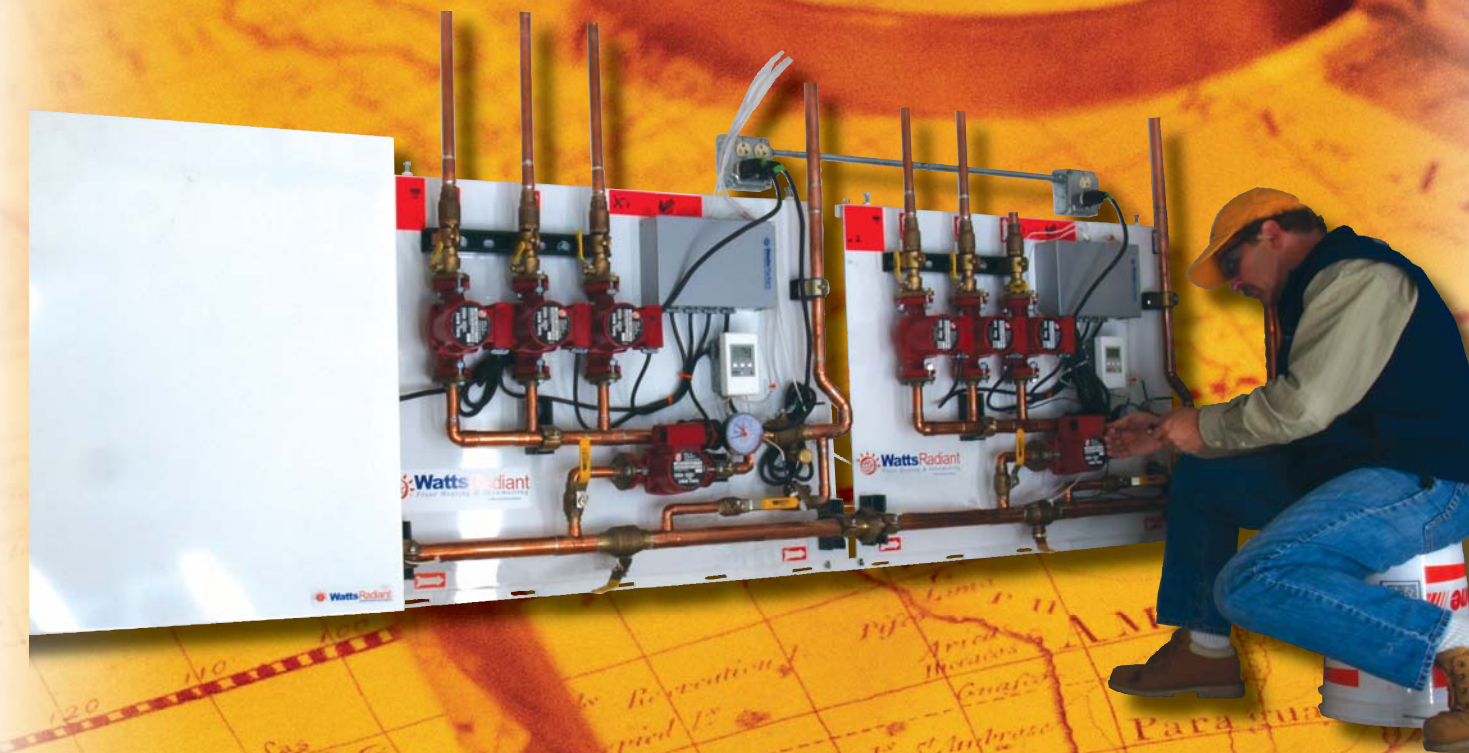
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Watts Radiant
Floor Heating & Snowmelting
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HydroNexTM

MECHANICAL BUILDING BLOCKS



Take the **MYSTERY**
out of the
MECHANICAL ROOM

Why HydroNex?

- Fast installation
 - Cut installation time and make more money!
- Simplify bids with fixed costs
- Easy maintenance
- Factory assembled and tested
 - HydroNex panels are guaranteed to perform
- Professional presentation
- Performance engineered
- Plug-n-play CAT5 electrical connectors
 - Reduce wiring and start up problems
- Multiple panel configurations
- Proper piping and component placement
- Convenient purge assemblies & control valves

P-Series

Primary panels circulate water through boilers, remove air and provide essential service and monitoring. Options include boiler reset controls and auto-fill assemblies.

D-Series

Distribution panels send water to the point of use. They provide temperatures that are high, mixed or variable mixed. They service up to five zones per board and can be linked together for larger projects.

S-Series

Special Interest panels are designed for unique applications, such as geothermal or condensing heat sources. S-Series panels can be used independently or with other HydroNex panels, depending on the panel in question.

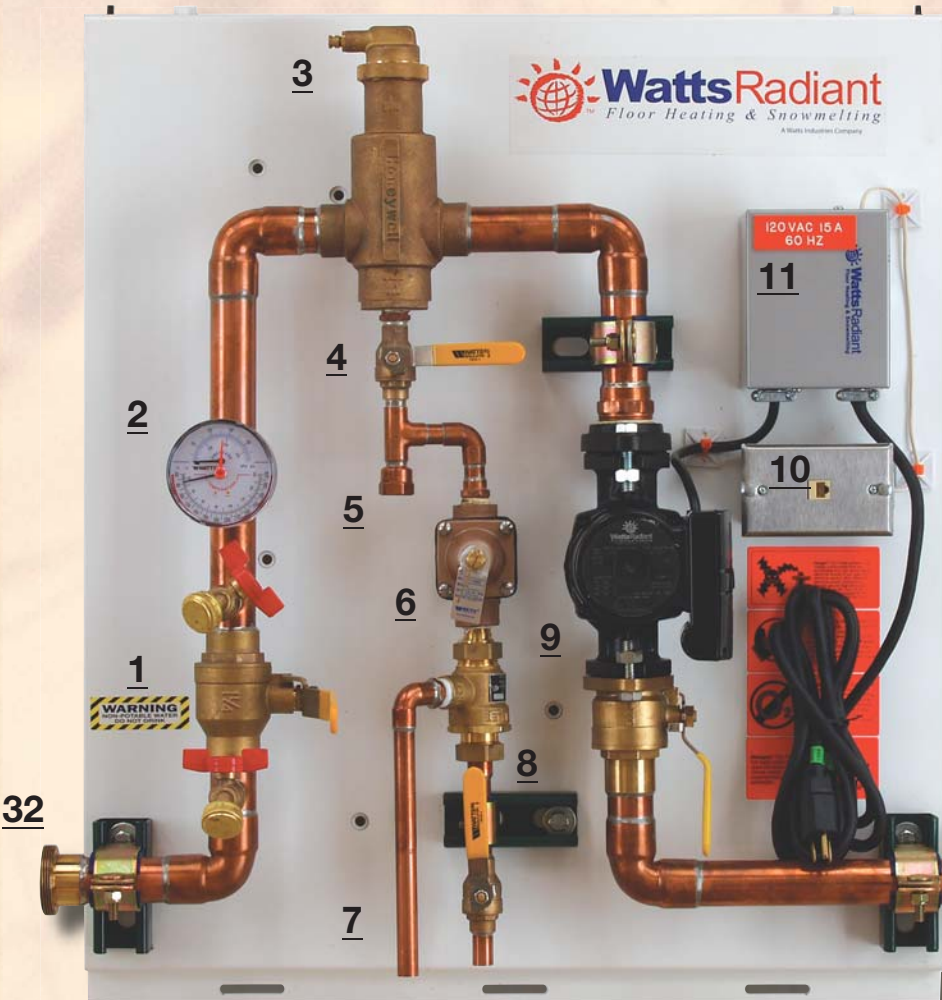
Z-Series

Zone Panels include stainless steel manifolds to distribute water to radiant circuits or other equipment. They provide temperatures that are high or mixed and are designed to be located in the zones they serve.

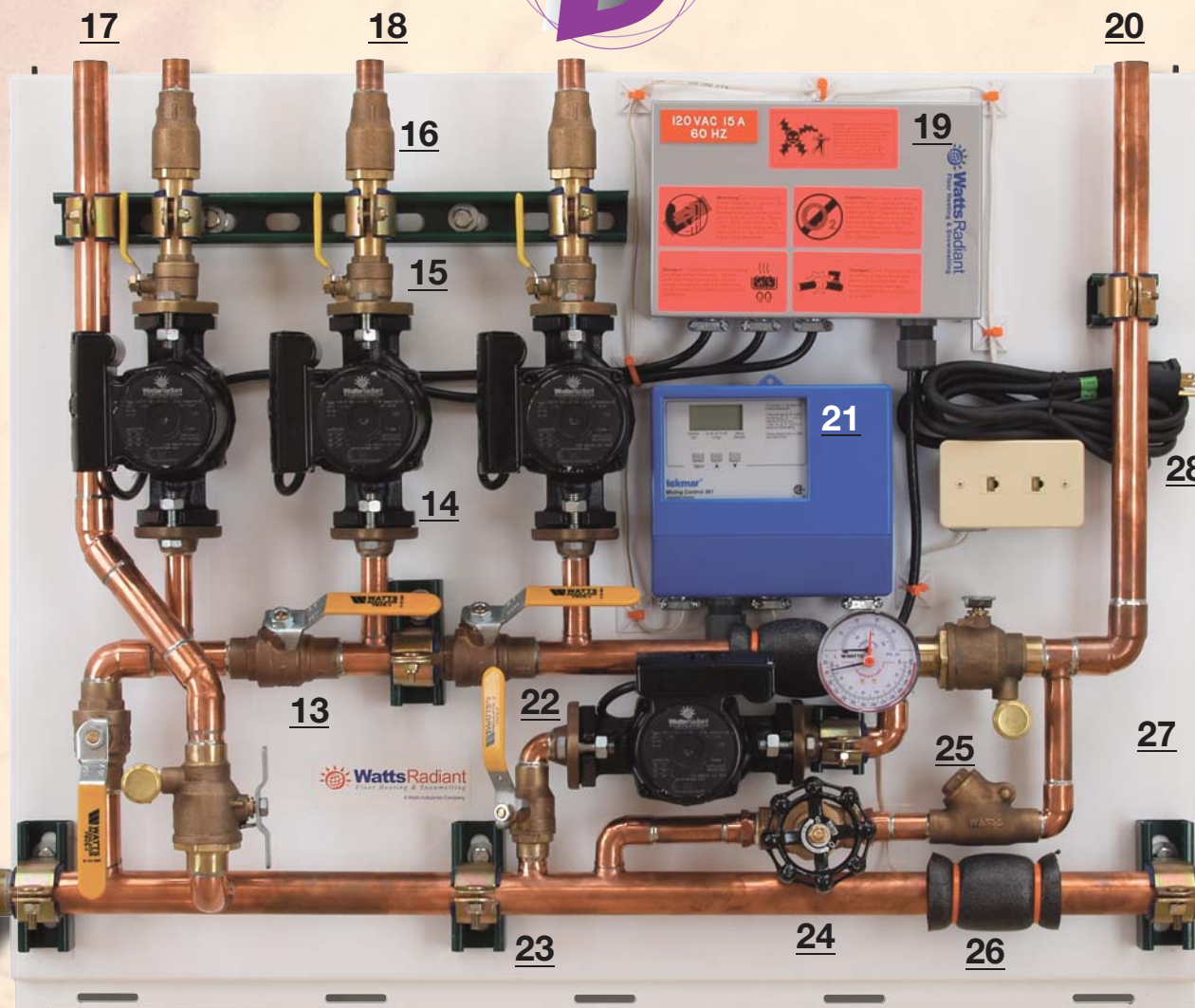
ZONE Z series



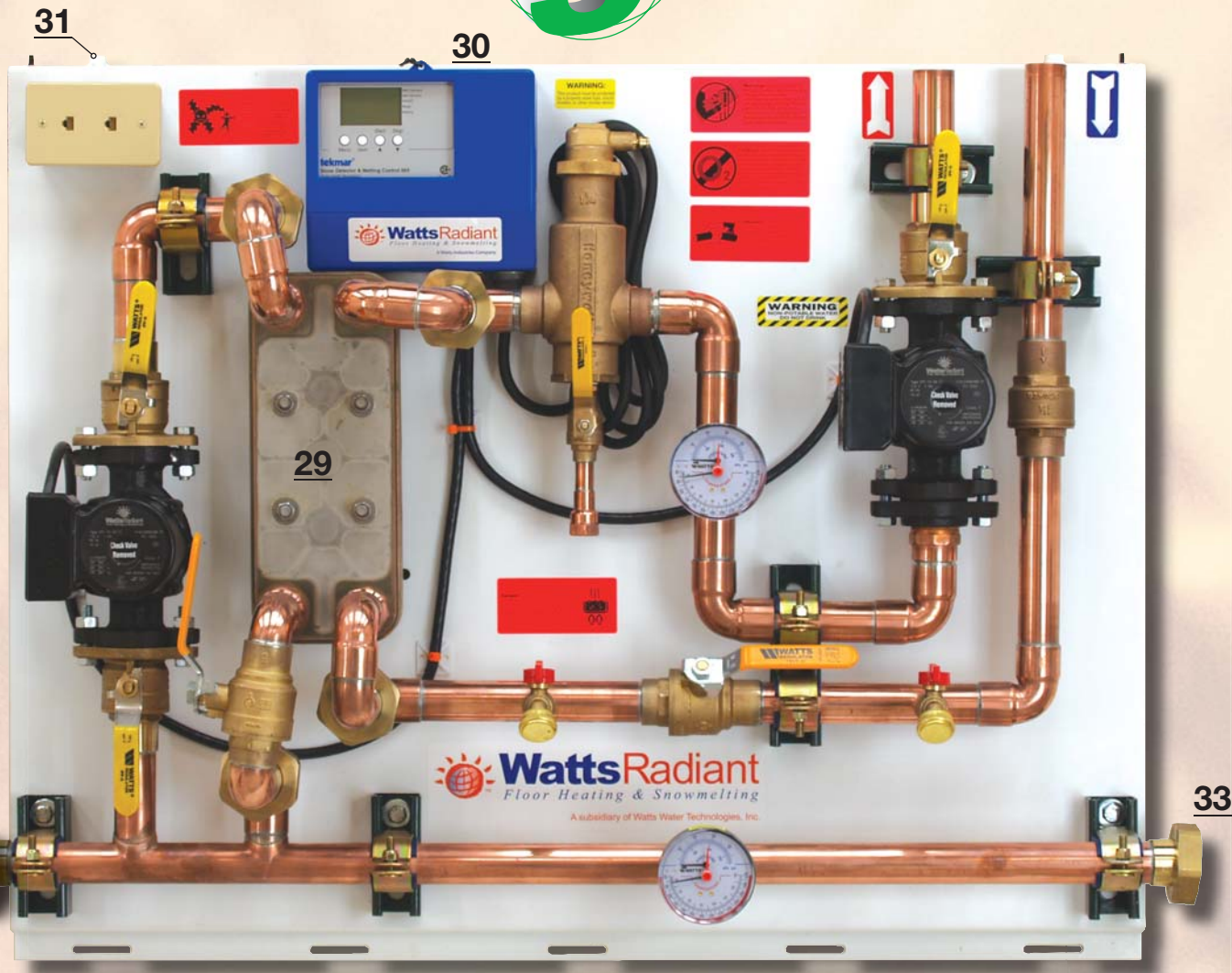
PRIMARY **P** series



DISTRIBUTION **D** series



SPECIAL **S** series



The Line-Up

- 1 Manual Fill Assembly
- 2 Temperature/Pressure Gauge
- 3 Micro-Bubble Air Remover
- 4 Ball Valve
- 5 Expansion Tank Connection
- 6 AutoFill Assembly
- 7 Overflow Drain Line
- 8 Backflow Preventer
- 9 Primary Circulator
- 10 CAT-5 Connection
- 11 Relay Box
- 12 O-Ring Sealed Union
- 13 Full Port Isolation Ball Valve
- 14 Zone Circulator
- 15 Isolation Valve
- 16 Check Valve
- 17 High Temperature Return
- 18 Zone Supply Line
- 19 Zone Relay Box
- 20 Zone Return Line
- 21 Injection Control
- 22 Injection Circulator
- 23 B-Line Strut Support
- 24 Gate Valve Balance Valve
- 25 Swing Check Valve
- 26 Sensor
- 27 Metal Frame
- 28 Power Cord
- 29 Heat Exchanger
- 30 Snowmelt Control
- 32 Supply From Boiler
- 33 Return to Boiler

HydroNex panels are the perfect solution for any radiant project: floor warming, heating, or snowmelting. **Pre-piped, pre-wired, and factory tested** with a professional looking enclosure, these panels will dramatically reduce installation times as well as virtually eliminate wiring and other start-up problems.

Each panel comes **pre-wired with a 120 volt power cord**. Simply plug the HydroNex panel(s) into a standard wall outlet.

Electrical connections are even easier with the **CAT5 connection system**. Control logic passes between panels though a CAT5 cable, enabling each panel to “talk” to each

other. The only wiring required is to connect the zone thermostats to the corresponding relay terminal.

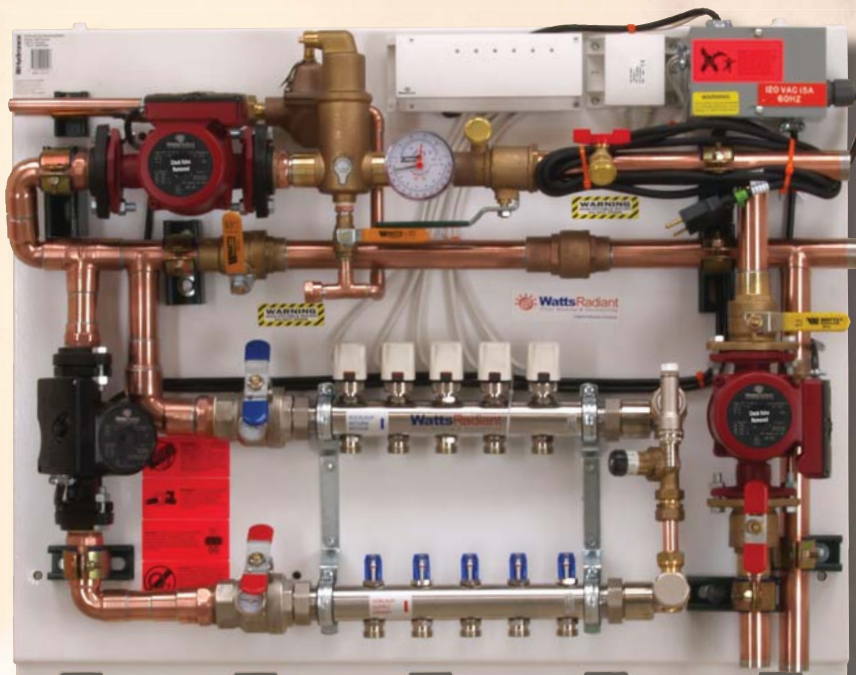
Connecting one panel to another is as easy as turning the hex nut on the **brass o-ring seal union**. Each union can withstand up to 100 psi when only hand tightened.

The unique Z-Bracket hanging system allows panels to be installed without the hazard of trying to hold the panel while mounting. Simply install the Z-Bracket on a wall and hang the HydroNex panel. That's it!

Best of all, each HydroNex panel is designed for easy system maintenance. **Each component on the HydroNex panel can be easily accessed and isolated** with numerous shut-off valves located on all panels.

Finally, each HydroNex comes with a finished **white, powder coated cover** to create that perfect finished look.

So, don't let your next radiant project slow you down. **HydroNex is fast, easy, and guaranteed to take the mystery out of the mechanical room.**



HydroNex panels are available in a wide range of configurations. Select the HydroNex panel, or panels, that best fit your mechanical needs. Some panel options include:

- Primary with/without autofill
- Primary with/without boiler reset
- Direct panel (no mixing)
- Injection mixing (with/without zone valves)
- Mix valve mixing (with/without zone valves)
- Condensing boilers
- Geothermal panels
- Heat exchanger panel for snowmelt systems

Condensing Boiler panel shown at left. This panel is designed as a stand alone panel with dedicated domestic hot water capability.