

Heating and Cooling Solutions

Radiant heating systems have been around since 10,000 B.C., but Viega has made them more efficient, reliable and easier to install. Viega offers a full line of prefabricated Climate Mats for wet installs, panels for dry installs, tubing, manifolds, mixing options and controls engineered to work together. Radiant heating and cooling solutions can reduce energy costs by up to 30% for both residential and commercial buildings. Our hands-on design team can provide you with a complete design and bill of materials, so you know you have everything you need for a properly functioning system.

FEATURES AND BENEFITS

- Faster and easier than traditional radiant installation
- Typically reduces energy costs from 10-30%
- Minimizes circulation of dust, allergens and airborne contaminants
- Proven press technology helps to ensure secure connections
- 30-year warranty on Viega Barrier PEX, FostaPEX and PureFlow Press metal and polymer fittings
- Technical support
- Design and layout services

CODES AND STANDARDS

- CSA B214: Installation Code for Hydronic Heating Systems
- IAPMO: California Mechanical Code (CMC)
- IAPMO: Uniform Mechanical Code (UMC)
- IAPMO: Uniform Solar, Hydronics and Geothermal Code (USHGC)
- ICC: International Mechanical Code (IMC)
- ICC: International Residential Code (IRC)
- International Energy Conservation Code (IECC)
- National Building Code of Canada (NBCC)

LISTINGS AND CERTIFICATIONS

- ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials
- ASTM F876: Standard Specification for Cross-linked Polyethylene (PEX) Tubing
- ASTM F877: Standard Specification for Cross-linked Polyethylene (PEX) Plastic Hot- and Cold-Water Distribution Systems
- ASTM F3253: Standard Specification for Cross-linked Polyethylene (PEX) Tubing with Oxygen Barrier for Hot- and Cold-Water Hydronic Distribution Systems
- ASTM F3347: Standard Specification for Metal Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing
- ASTM F3348: Standard Specification for Plastic Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing
- CAN/ULC S101: Standard Methods for Test for Surface Burning Characteristics
- CAN/ULC S102.2: Standard Methods for Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies
- CSA B137.5: Standard Specification for PEX Tubing in Pressure Applications
- CSA B214: Installation Code for Hydronic Heating Systems
- HUD MR1276: Housing and Urban Development
- IAPMO File 4030 (PureFlow)
- IAPMO File 4874 (FostaPEX)

- ICC-ES LC 1004: PMG Listing Criteria for PP, PEX, PEX-AL-PEX, and PP-AL-PP Piping, Tube and Fittings Used in Radiant
- ICC-ES PMG-1015 (ProRadiant)
- Heating and Water Supply Systems
- NSF/ANSI 14: Plastic Piping Systems Components and Related Materials
- UL 263/ANSI: Safety Fire Tests for Building Construction and Materials

NOTE

A green dot on a Viega PureFlow Press fitting indicates Smart Connect technology.


Manifold cabinet

- Suitable for manifold Model 2804, 2879
 - Galvanized steel, epoxy powder-coated finish
- Model 2879.6US**

W [in]	H [in]	D [in]	Wt [lb]	Quantity	Part No	DG
21	30	4½	25.993	1	15800	4
27	30	4½	31.991	1	15801	4
45	30	4½	45.987	1	15802	4


Lock assembly

- Suitable for manifold cabinet
- Model 2879.6US

Components

(2) keys

Note

Part No 15802 requires two locks.

Model 2857.7US

Wt [lb]	Quantity	Part No	DG
0.150	1	15217	4

Controls


Basic heating control

- For controlling system water temperature based on outdoor reset
- Modulating mixing valve control, boiler activation

Components

Supply sensor, outdoor sensor

Model 2871.0US

Wt [lb]	Quantity	Part No	DG
3.464	1	16015	4


Indoor sensor

- Use with basic heating control
- Model 2871.0US

Model 2871.2US

Wt [lb]	Quantity	Part No	DG
0.295	1	16016	4


Multiple outdoor sensor

- For up to (4) basic heating controls to share a single outdoor sensor
 - Use with basic heating control
- Model 2871.0US

Components

10kΩ thermistor

Model 2871.3US

Wt [lb]	Quantity	Part No	DG
0.105	1	16020	4


Zone control

- Suitable for zone valve Model 2837.1US, 2837.2US, 2837.3US, digital thermostat Model 2874.5US, powerhead Model 2877.7, thermostat heat/cool non programmable Model 2878.6, thermostat heat/cool programmable Model 2878.7, thermostat multistage heat/cool programmable Model 2878.8
- Zone wiring and switching center

Components

Circuit board, 24 VAC transformer

Model 2874.7US

Zones	Wt [lb]	Quantity	Part No	DG
4	4.009	1	18060	4
6	5.159	1	18062	4