

## Heating and Cooling Solutions



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**viega**

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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 expansion set**

- For stainless steel manifold shutoff / balancing
- Suitable for manifold ball valve set Model 2877.2, manifold Model 2879
- Stainless steel
- Union connection, female pipe thread

**Components**

- (2) 1 1/4" MPT x 1" FPT adapter, (2) gaskets, (2) expansion nipples

**Model 2877.4**

d	Union	FPT	Outlet(s)	Wt [lb]	Quantity	Part No	DG
1 1/4	1 1/4	1	1	1.665	1	<b>16431</b>	4


**Expansion nipple**

- For connecting stainless steel manifolds
- Nickel-plated brass
- Male pipe thread

**Model 2878.922**

MPT1	MPT2	Wt [lb]	Quantity	Part No	DG
1 1/4	1	0.312	2	<b>15186</b>	4


**Manifold outlet cap**

- For stainless steel manifold
- Nickel-plated brass
- SVC

**Components**

- EPDM gasket

**Model 2856.7**

SVC	Wt [lb]	Quantity	Part No	DG
✓	0.042	2	<b>15054</b>	4


**Reducer**

- For stainless steel manifold to mixing station connections
- Bronze
- Male pipe thread, female pipe thread

**Model 1003.5SV**

MPT	FPT	Wt [lb]	Quantity	Part No	DG
1 1/4	1	0.356	2	<b>15044</b>	4


**Manifold end plug**

- For stainless steel manifold
- Nickel-plated brass
- Male pipe thread

**Components**

- EPDM gasket

**Model 2856.6**

MPT	Wt [lb]	Quantity	Part No	DG
1	0.149	2	<b>15053</b>	4


**Circuit temperature gauge set**

- Chrome-plated steel
- Snaps on individual return circuit

**Components**

- Temperature gauge, clip

**Model 2877.6**

Temp [°F]	Wt [lb]	Quantity	Part No	DG
32–176	0.115	1	<b>15060<sup>1)</sup></b>	4

<sup>1)</sup> Available while supplies last


**System pressurization kit**

- For pressure testing
- Suitable for mixing station base unit Model 2801.0US, manifold Model 2804, 2879, mixing station enhanced Model V1203.0

**Components**

- (1) pressure gauge, (2) 1 1/4" MPT x 1" FPT reducer, (2) 1" MPT test plug, (1) male hose thread x SVC adapter

**Model 2873.5US**

Wt [lb]	Quantity	Part No	DG
1.969	1	<b>21210</b>	4