

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.


Viega Climate Trak

- Suitable for Viega Barrier PEX tubing
- Part No 11415, 11418, 11425, 11427, 11428, 11430, 11435, 11436, 11440
- Extruded heavy gauge aluminum
- Pre-drilled holes

Model 2857.1US

L [ft]	W [in]	d	Wt [lb]	Quantity	Part No	DG
4	3½	⅜	1.150	20	15209	4
8	3½	⅜	1.450	20	15207	4
4	3½	½	1.150	20	15210	4
8	3½	½	2.399	20	15208	4


Heat transfer plate

- Suitable for Viega Barrier PEX tubing
- Part No 11415, 11418, 11425, 11427, 11428, 11430, 11435, 11436, 11440
- Aluminum

Model 2857US

L [in]	W [in]	d	Wt [lb]	Quantity	Part No	DG
19	5	⅜	0.186	100	15205	4
19	5	½	0.180	100	15206	4


Clip

- Plastic

Model 2871.6US

d	Wt [lb]	Quantity	Part No	DG
⅝	0.002	100	15112	4


Viega Climate Mat

- For in slab applications
- Pre-engineered
- CAN/ULC S101, CAN/ULC S102.2

Model 2809.1US

d	O.C.	Loop	Circuit	W [ft]	Wt [lb]	Quantity	Part No	DG
½	6	6	6	6	0.688	1	18150	4
½	9	4	4	6	0.458	1	18151	4
½	6	6	3	6	0.688	1	18154	4
½	6	6	2	6	0.688	1	18155	4
½	9	4	2	6	0.458	1	18156	4
⅝	9	4	2	6	0.635	1	18157	4
⅝	9	4	4	6	0.635	1	18160	4
⅝	6	6	2	6	0.952	1	18185	4
⅝	6	6	4	6	0.952	1	18186	4
⅝	6	6	6	6	0.952	1	18187	4


Viega Climate Mat

- For in slab applications
- Pre-engineered
- CAN/ULC S101, CAN/ULC S102.2

Model 2809.2US

d	O.C.	Loop	Circuit	W [ft]	Wt [lb]	Quantity	Part No	DG
½	9	3	3	5	0.344	1	18158	4
½	12	3	3	5	0.344	1	18152	4
⅝	12	3	3	5	0.476	1	18159	4


Mat clip

- Suitable for Viega Climate Mat
- Model 2809.1US, 2809.2US
- Plastic

Model 2809.3US

d	Wt [lb]	Quantity	Part No	DG
½	0.005	50	18165	4
⅝	0.005	50	18166	4

Mixing equipment

Mixing station
Enhanced

- For supply temperature modulation
- 7 settings, permanent magnet motor design reduces power consumption by 50%

Components

- Isolation ball valves, mounting bracket, supply temperature sensor well

Model V1203.0

Connections	Wt [lb]	Quantity	Part No	DG
ProPress	21.994	1	12152	4
PureFlow Press	21.994	1	12153	4
copper (male)	23.183	1	12151	4