

ProRadiant Heating and Cooling



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ProRadiant Heating and Cooling

Radiant heating and cooling systems have been around since 10,000 B.C., but Viega has made them more efficient, reliable and easier to install than ever. Viega offers a full line of tubing, panels, controls, manifolds and mixing options engineered to work together. Radiant heating and cooling systems can reduce energy costs by up to 30%, and 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 and allergens
- Proven press technology helps to ensure secure connections
- 30-year warranty on ViegaPEX Barrier tubing
- Technical support
- Design and layout services

CODES AND STANDARDS

- IAPMO California Mechanical Code (CMC)
- IAPMO Uniform Mechanical Code (UMC)
- IAPMO Uniform Solar Energy and Hydronic Code (USEHC)
- 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
- 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
- ICC-ES LC 1004: PMG Listing Criteria for PP, PEX, PEX-AL-PEX, and PP-AL-PP Piping, Tube and Fittings Used in Radiant 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.

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Tubing



ViegaPEX Barrier tubing

- PEX
- Coil
- Oxygen diffusion barrier, protective outer layer

Technical Data

PEX designation code 5306
 Chlorine resistance ratings CL5
 UV resistance 6 months
ASTM F876, ASTM F877, NSF 61, CAN/ULC S101, CAN/ULC S102.2

Model 2802US

d	L [ft]	Version	Wt [lb]	Quantity	Part No	DG
5/16	250	black with stripe	9.000	1	11400	4
5/16	1000	black with stripe	34.000	1	11405	4
3/8	300	black with stripe	12.900	1	11415	4
3/8	1200	black with stripe	51.600	1	11418	4
1/2	250	black with stripe	10.750	1	11428	4
1/2	300	black with stripe	17.100	1	11425	4
1/2	400	black with stripe	23.200	1	11430	4
1/2	500	black with stripe	29.000	1	11427	4
1/2	1000	black with stripe	58.000	1	11436	4
1/2	1200	black with stripe	68.400	1	11435	4
1/2	2000	black with stripe	112.000	1	11440	4
5/8	500	black with stripe	39.500	1	11445	4
5/8	1500	black with stripe	118.500	1	11450	4
3/4	150	black with stripe	16.050	1	11455	4
3/4	300	black with stripe	32.400	1	11457	4
3/4	500	black with stripe	56.500	1	11458	4
3/4	800	black with stripe	86.400	1	11460	4
3/4	1000	black with stripe	108.000	1	11462	4
1	150	black with stripe	27.000	1	11465	4
1	500	black with stripe	88.000	1	11470	4
1 1/4	100	black with stripe	27.000	1	11475	4
1 1/2	100	black with stripe	36.500	1	11480	4
2	100	black with stripe	60.300	1	11485	4

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ViegaPEX Barrier tubing

- PEX
- Straight length
- Oxygen diffusion barrier, protective outer layer

Technical Data

PEX designation code 5306
 Chlorine resistance ratings CL5
 UV resistance 6 months
ASTM F876, ASTM F877, NSF 61, CAN/ULC S101, CAN/ULC S102.2

Model 2803US

d	L [ft]	Version	Wt [lb]	Quantity	Part No	DG
3/4	20	black with stripe	2.100	25	11500	4
1	20	black with stripe	3.500	5	11505	4
1 1/4	20	black with stripe	5.280	5	11510	4
1 1/2	20	black with stripe	7.400	5	11515	4
2	20	black with stripe	12.280	5	11520	4



Viega FostaPEX tubing

- Only for Viega PureFlow Press fittings
- PEX/AL/PE
- Coil
- Form stable

Technical Data

PEX designation code 5306
 UV resistance 12 months
ASTM F876, ASTM F877

Model 2805US

d	L [ft]	Version	Wt [lb]	Quantity	Part No	DG
1/2	150	silver	15.000	1	35020 ¹⁾	6
1/2	300	silver	30.000	1	35019 ¹⁾	6
1/2	400	silver	38.000	1	35021 ¹⁾	6
3/4	150	silver	24.000	1	35040 ¹⁾	6
1	150	silver	39.000	1	35060	6

¹⁾ center pull coil


Viega FostaPEX tubing

- Only for Viega PureFlow Press fittings
- PEX/AL/PE
- Straight length
- Form stable

Technical Data

PEX designation code 5306

UV resistance 12 months

ASTM F876, ASTM F877
Model 2806US

d	L [ft]	Version	Wt [lb]	Quantity	Part No	DG
½	20	silver	2.000	25	35520	6
⅝	20	silver	3.000	25	35530*	4
¾	20	silver	3.200	25	35540	6
1	20	silver	5.200	10	35560	6

* = Available while supplies last


Viega FostaPEX tubing

- Only for Viega PureFlow Press fittings
- PEX/AL/PE
- Coil
- Form stable

Technical Data

PEX designation code 5306

UV resistance 12 months

ASTM F876, ASTM F877
Model 2808US

d	L [ft]	Version	Wt [lb]	Quantity	Part No	DG
½	150	red	15.000	1	35120¹	6
¾	150	red	24.000	1	35140¹	6
1	150	red	39.000	1	35160^{1,2}	6

¹ center pull coil

² Available while supplies last

Zip tie

- Plastic

Model 2866US

L [in]	Version	Wt [lb]	Quantity	Part No	DG
8.7	yellow	0.003	100	15304	4


U-channel fastener

- Plastic
- Pre-drilled holes

Model 2864US

W [in]	L [ft]	Wt [lb]	Quantity	Part No	DG
½	6½	1.029	16	15310	4
⅝	6½	1.899	16	15311	4
¾	6½	1.300	16	15314	4


Bend support

- For in slab applications
- Not for Viega FostaPEX
- Plastic

Model 2851US

for d	Wt [lb]	Quantity	Part No	DG
¾	0.075	10	15106	4
½	0.127	10	15107	4
⅝, ¾	0.167	10	15108	4
1	0.730	1	15111	4


Repair coupling tape

- For wrapping PureFlow Press fittings in a slab
- Silicone

Model 2890.4US

W [in]	L [ft]	Wt [lb]	Quantity	Part No	DG
1	10	0.140	1	15320	4


J-clamp tubing fasteners

- Plastic

Components

Nail

Model 2860US

for d	Wt [lb]	Quantity	Part No	DG
¾	0.006	100	52000	2
½	0.008	100	52020	2
¾	0.013	100	52040	2
1	0.021	100	52060	2



Lock clip
- Plastic
Model 2863US

for d	Wt [lb]	Quantity	Part No	DG
5/16	0.004	100	58070	4
3/8	0.014	100	58071	2
1/2	0.006	100	58072 ¹	2
3/4	0.016	50	58073 ²	2
1	0.020	50	58074	2
1 1/4	0.030	50	58075	2
1 1/2	0.035	25	58076	2
2	0.050	15	58077	2

¹) Suitable for ViegaPEX Barrier tubing Part No 11445, 11450

²) Suitable for Viega FostaPEX tubing Part No 35530



Multi-clip
- Plastic
Components
Mounting screw
Model 2867US

max d	Wt [lb]	Quantity	Part No	DG
1	0.029	100	52006	2
2	0.090	50	52007	2



Mat clip
- Suitable for Viega Climate Mat
Model 2809.1US, 2809.2US
- Plastic
Model 2809.3US

d	Wt [lb]	Quantity	Part No	DG
1/2	0.005	50	18165	4
5/8	0.005	50	18166	4



**Bend support
Drop ear**
- Not for Viega FostaPEX
- Plastic-coated steel
Model 2850.1US

for d	Wt [lb]	Quantity	Part No	DG
3/8, 1/2	0.198	25	50520	2



Bend support
- Not for Viega FostaPEX
- Plastic
Model 2850.2US

for d	Wt [lb]	Quantity	Part No	DG
3/8	0.062	25	51000	2
1/2	0.083	25	51020	2
5/8, 3/4	0.154	25	51040	2
1	0.238	25	51060	2



Clip
- For wire mesh
- Suitable for ViegaPEX Barrier tubing
Part No 11425, 11427, 11430, 11435, 11436, 11440, 11445, 11450
- Plastic
Model 2865.1US

for d	Wt [lb]	Quantity	Part No	DG
1/2, 5/8	0.013	100	15301 ¹	4

¹) Available while supplies last

Elbows



**Viega PureFlow Press 90° elbow
Zero Lead**
- Bronze
- Press connection
Model 2816ZL

P1	P2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.086	10	93520	6
3/4	3/4	0.156	10	93540	6
1	1	0.212	10	93560	6
1 1/4	1 1/4	0.359	5	93570	6
1 1/2	1 1/2	0.450	5	93580	6
2	2	1.601	1	93590	6



Viega PureFlow Press 90° elbow
 - Bronze
 - Press connection
Model 2816NG

P1	P2	Wt [lb]	Quantity	Part No	DG
5/8	5/8	0.164	5	83530	4



Viega PureFlow Press 90° elbow
Smart Connect technology
 - Polymer
 - Press connection
Model V5616

P1	P2	Wt [lb]	Quantity	Part No	DG
3/8	3/8	0.023	25	49210	6
1/2	1/2	0.029	25	49220	6
3/4	3/4	0.047	25	49240	6
1	1	0.080	10	49260	6
1 1/4	1 1/4	0.171	5	49270	6
1 1/2	1 1/2	0.220	5	49280	6
2	2	0.377	1	49290	6



Viega PureFlow Press 90° elbow
 - Bronze
 - Press connection, female copper tube size
Model 2814.5NG

P	C	Wt [lb]	Quantity	Part No	DG
5/8	3/4	0.344	5	89312	4



Viega PureFlow Press 90° elbow
 - Bronze
 - Press connection, street, female copper tube size
Model 2814.7NG

P	FTG (CTS)	C	Wt [lb]	Quantity	Part No	DG
5/8	3/4	1/2	0.333	5	89313	4



Viega PureFlow Press 90° elbow
Zero Lead
 - Bronze
 - Press connection, male pipe thread
Model 2814ZL

P	MPT	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.202	10	92520	6
1/2	3/4	0.315	10	92525	6
3/4	3/4	0.313	10	92540	6
3/4	1	0.748	10	92545	6
3/4	1 1/4	1.210	2	92565	6
1	1	0.743	10	92560	6
1	1 1/4	1.201	2	92570	6
1 1/4	1 1/4	1.270	2	92757	6
1 1/2	1 1/2	1.415	2	92580	6
2	2	2.870	2	92590	6

Tees



Viega PureFlow Press tee
 - Bronze
 - Press connection
Model 2818NG

P1	P2	P3	Wt [lb]	Quantity	Part No	DG
5/8	5/8	5/8	0.188	5	84030	4

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**Viega PureFlow Press tee
Zero Lead**
- Bronze
- Press connection
Model 2818ZL

P1	P2	P3	Wt [lb]	Quantity	Part No	DG
1/2	1/2	1/2	0.107	10	94020	6
1/2	1/2	3/4	0.194	10	94022	6
3/4	1/2	1/2	0.177	10	94032	6
3/4	1/2	3/4	0.177	10	94034	6
3/4	3/4	1/2	0.185	10	94036	6
3/4	3/4	3/4	0.182	10	94040	6
1	1/2	1/2	0.282	10	94037	6
1	1/2	1	0.233	10	94039	6
1	3/4	1/2	0.287	10	94038	6
1	3/4	3/4	0.220	10	94052	6
1	3/4	1	0.242	10	94053	6
1	1	1/2	0.216	10	94050	6
1	1	3/4	0.262	10	94056	6
1	1	1	0.296	10	94060	6
1 1/4	1	3/4	0.529	5	94071	6
1 1/4	1	1	0.581	5	94073	6
1 1/4	1 1/4	3/4	0.547	5	94072	6
1 1/4	1 1/4	1	0.588	5	94074	6
1 1/4	1 1/4	1 1/4	0.716	5	94070	6
1 1/2	1	3/4	0.627	5	94081	6
1 1/2	1	1	0.740	5	94082	6
1 1/2	1 1/2	3/4	0.681	5	94083	6
1 1/2	1 1/2	1	0.767	5	94084	6
1 1/2	1 1/2	1 1/4	0.860	5	94085	6
1 1/2	1 1/2	1 1/2	0.957	5	94080	6
2	1 1/2	1	1.697	5	94091*	6
2	1 1/2	1 1/4	1.737	5	94092*	6
2	2	2	1.772	1	94090	6

* = Available while supplies last



**Viega PureFlow Press tee
Smart Connect technology**
- Polymer
- Press connection
Model V5618

P1	P2	P3	Wt [lb]	Quantity	Part No	DG
3/8	3/8	3/8	0.035	25	49200	6
1/2	3/8	3/8	0.036	25	49322	6
1/2	1/2	3/8	0.039	25	49332	6
1/2	1/2	1/2	0.042	25	49520	6
1/2	1/2	3/4	0.052	25	49334	6
3/4	1/2	1/2	0.052	25	49433	6
3/4	1/2	3/4	0.061	25	49434	6
3/4	3/4	1/2	0.059	25	49443	6
3/4	3/4	3/4	0.068	25	49540	6
1	1/2	1/2	0.068	10	49533	6
1	1/2	1	0.097	10	49535	6
1	3/4	1/2	0.074	10	49543	6
1	3/4	3/4	0.084	10	49544	6
1	3/4	1	0.104	10	49545	6
1	1	1/2	0.088	10	49553	6
1	1	3/4	0.102	10	49554	6
1	1	1	0.115	10	49560	6
1 1/4	1	3/4	0.150	5	49754	6
1 1/4	1	1	0.166	5	49755	6
1 1/4	1 1/4	3/4	0.182	5	49774	6
1 1/4	1 1/4	1	0.206	5	49775	6
1 1/4	1 1/4	1 1/4	0.250	5	49570	6
1 1/2	1	3/4	0.170	5	49854	6
1 1/2	1	1	0.195	5	49855	6
1 1/2	1 1/4	3/4	0.205	5	49874	6
1 1/2	1 1/4	1	0.225	5	49875	6
1 1/2	1 1/4	1 1/4	0.275	5	49877	6
1 1/2	1 1/2	1/2	0.220	5	49883	6
1 1/2	1 1/2	3/4	0.233	5	49884	6
1 1/2	1 1/2	1	0.245	5	49885	6
1 1/2	1 1/2	1 1/4	0.290	5	49887	6
1 1/2	1 1/2	1 1/2	0.326	5	49580	6
2	1 1/2	3/4	0.001	1	49984	6
2	1 1/2	1	0.315	1	49985	6
2	1 1/2	1 1/4	0.365	1	49987	6
2	1 1/2	1 1/2	0.390	1	49988	6
2	2	1/2	0.001	1	49993	6
2	2	3/4	0.355	1	49994	6
2	2	1	0.373	1	49995	6
2	2	1 1/4	0.405	1	49997	6
2	2	1 1/2	0.435	1	49998	6
2	2	2	0.500	1	49590	6

Adapters



Viega PureFlow Press adapter
 - Bronze
 - Press connection, male pipe thread
Model 2811NG

P	MPT	Wt [lb]	Quantity	Part No	DG
5/8	1/2	0.119	5	80527	4
5/8	3/4	0.165	5	80531	4



Viega PureFlow Press adapter Zero Lead
 - Bronze
 - Press connection, male pipe thread
Model 2811ZL

P	MPT	Wt [lb]	Quantity	Part No	DG
3/8	1/2	0.101	10	90506	6
1/2	1/2	0.098	10	90521	6
1/2	3/4	0.152	10	90526	6
3/4	1/2	0.113	10	90542	6
3/4	3/4	0.160	10	90541	6
3/4	1	0.283	10	90546	6
3/4	1 1/4	0.507	2	90562	6
1	3/4	0.182	10	90556	6
1	1	0.284	10	90561	6
1	1 1/4	0.524	2	90566	6
1 1/4	1 1/4	0.564	2	90571	6
1 1/2	1 1/2	0.683	2	90581	6
2	2	1.104	5	90591	6



Viega PureFlow Press adapter Zero Lead
 - Bronze
 - Press connection, female pipe thread
Model 2812ZL

P	FPT	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.101	10	91520	6
1/2	3/4	0.135	10	91525	6
3/4	1/2	0.110	10	91541	6
3/4	3/4	0.141	10	91540	6
1	3/4	0.166	10	91545	6
1	1	0.239	10	91560	6
1 1/4	1 1/4	0.436	5	91570	6
1 1/2	1 1/2	0.511	5	91580	6
2	2	0.818	5	91590	6



Viega PureFlow Press adapter Smart Connect technology
 - Bronze
 - Press connection
Components
 EPDM sealing elements
Model 2813PNG

P1	P2	Wt [lb]	Quantity	Part No	DG
5/8	1/2	0.081	5	69627	4
5/8	3/4	0.134	5	69628	4



Viega PureFlow Press adapter Smart Connect technology, Zero Lead
 - For transitioning between Viega PureFlow Press and Viega ProPress
 - Bronze
 - Press connection
Components
 EPDM sealing elements
Note
 ProPress tool and jaw required
Model 2813PZL

P1	P2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.076	10	99620	6
1/2	3/4	0.115	10	99626	6
3/4	1/2	0.078	10	99630	6
3/4	3/4	0.115	10	99640	6
1	3/4	0.136	10	99645	6
1	1	0.184	10	99660	6
1 1/4	1	0.236	5	99665	6
1 1/4	1 1/4	0.287	5	99670	6
1 1/2	1	0.276	5	99675	6
1 1/2	1 1/2	0.447	5	99680	6
2	1	0.459	5	99685	6
2	2	0.723	5	99690	6



Viega ProPress 90° extended street elbow Smart Connect technology
 - For use with ASTM B88 tubing
 - Copper
 - Press connection, street
Components
 EPDM sealing element
Model 2947

P	FTG (CTS)	Wt [lb]	Quantity	Part No	DG
3/4	3/4	0.386	5	77353*	8

* = Available while supplies last



Viega ProPress insert stiffener

- For Viega ProPress 90° extended street elbow
 - Suitable for Viega ProPress 90° extended street elbow Model 2947
 - Bronze
- Model 2946**

d	Wt [lb]	Quantity	Part No	DG
3/4	0.046	5	16423	8



Viega PureFlow Press adapter

- Bronze
 - Press connection, female copper tube size
- Model 2813.5NG**

P	C	Wt [lb]	Quantity	Part No	DG
5/8	1/2	0.072	5	82027	4
5/8	3/4	0.108	5	82031	4



Viega PureFlow Press adapter Zero Lead

- Bronze
 - Press connection, female copper tube size
- Model 2813.5ZL**

P	C	Wt [lb]	Quantity	Part No	DG
3/8	1/2	0.062	10	92006	6
1/2	1/2	0.063	10	92021	6
1/2	3/4	0.099	10	92026	6
3/4	1/2	0.067	10	92036	6
3/4	3/4	0.113	10	92041	6
3/4	1	0.176	10	92045	6
1	1	0.186	10	92060	6
1 1/4	1 1/4	0.323	5	92070	6
1 1/2	1 1/2	0.436	5	92080	6
2	2	0.568	5	92090	6



Viega PureFlow Press adapter

- Bronze
 - Press connection, street
- Model 2813.1NG**

P	FTG (CTS)	Wt [lb]	Quantity	Part No	DG
5/8	1/2	0.079	5	87530	4
5/8	3/4	0.119	5	87531	4



Viega PureFlow Press adapter Zero Lead

- Bronze
 - Press connection, street
- Note
ProPress tool and jaw required
- Model 2813.1ZL**

P	FTG (CTS)	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.064	10	97520	6
1/2	3/4	0.094	10	97525	6
3/4	1/2	0.079	10	97535	6
3/4	3/4	0.101	10	97540	6
3/4	1	0.154	10	97545	6
1	1	0.175	10	97560	6
1 1/4	1 1/4	0.305	5	97570	6
1 1/2	1 1/2	0.436	5	97580	6
2	2	0.696	5	97590¹⁾	6

¹⁾ for use with solder fittings only.

Couplings



Viega PureFlow Press coupling

- Bronze
 - Press connection
- Model 2815NG**

P1	P2	Wt [lb]	Quantity	Part No	DG
5/16	5/16	0.032	5	83001	4
5/8	5/8	0.068	5	83030	4



**Viega PureFlow Press coupling
Zero Lead**
- Bronze
- Press connection
Model 2815ZL

P1	P2	Wt [lb]	Quantity	Part No	DG
3/8	3/8	0.041	10	93000	6
1/2	3/8	0.048	10	93005	6
1/2	1/2	0.052	10	93020	6
3/4	1/2	0.070	10	93050	6
3/4	3/4	0.073	10	93040	6
1	3/4	0.113	10	93055	6
1	1	0.131	10	93060	6
1 1/4	3/4	0.187	5	93071	6
1 1/4	1	0.210	5	93065	6
1 1/4	1 1/4	0.260	5	93070	6
1 1/2	3/4	0.238	5	93072	6
1 1/2	1	0.246	5	93073	6
1 1/2	1 1/4	0.289	5	93075	6
1 1/2	1 1/2	0.317	5	93080	6
2	1 1/2	0.491	5	93091	6
2	2	0.573	5	93090	6



**Viega PureFlow Press coupling
Smart Connect technology**
- Polymer
- Press connection
Model V5615

P1	P2	Wt [lb]	Quantity	Part No	DG
3/8	3/8	0.022	25	49402	6
1/2	3/8	0.024	25	49342	6
1/2	1/2	0.027	25	49403	6
3/4	1/2	0.034	25	49343	6
3/4	3/4	0.040	25	49404	6
1	3/4	0.055	10	49354	6
1	1	0.068	10	49405	6
1 1/4	3/4	0.101	5	49347	6
1 1/4	1	0.112	5	49357	6
1 1/4	1 1/4	0.151	5	49407	6
1 1/2	3/4	0.118	5	49348	6
1 1/2	1	0.133	5	49358	6
1 1/2	1 1/4	0.165	5	49378	6
1 1/2	1 1/2	0.190	5	49408	6
2	1 1/2	0.270	1	49398	6
2	2	0.305	1	49409	6



Repair coupling tape
- For wrapping PureFlow Press fittings in a slab
- Silicone
Model 2890.4US

W [in]	L [ft]	Wt [lb]	Quantity	Part No	DG
1	10	0.140	1	15320	4



Coupling
- Brass
- Compression
- Low profile
Model 1030SV

d1	d2	Wt [lb]	Quantity	Part No	DG
5/16	5/16	0.151	10	19013	4



SVC coupling
- Brass
- Compression
Components
SVC coupling, (2) nuts and inserts
Model 1030.1SV

SVC	d1	d2	Wt [lb]	Quantity	Part No	DG
✓	3/8	3/8	0.560	1	19014	4
✓	1/2	1/2	0.556	1	19015	4
✓	5/8	5/8	0.542	1	19016	4
✓	3/4	3/4	0.899	1	19017	4



Viega PureFlow Press test plug
- Bronze
- Press connection
Model 2856NG

P	Wt [lb]	Quantity	Part No	DG
5/8	0.048	5	85131	4

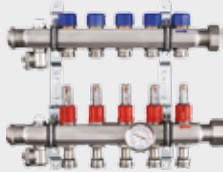


**Viega PureFlow Press test plug
Smart Connect technology**

- Polymer
 - Press connection
- Model V5656**

P	Wt [lb]	Quantity	Part No	DG
3/8	0.011	25	49722	6
1/2	0.015	25	49723	6
3/4	0.022	25	49744	6
1	0.038	10	49765	6
1 1/4	0.082	5	49770	6
1 1/2	0.095	5	49780	6
2	0.154	1	49790	6

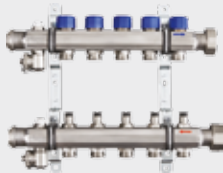
Manifolds



Manifold

- Equipped with air bleeder Model 2878.914, purge valve Model 2878.915, supply flow meter valve Model 2878.920, supply shutoff balancing valve Model 2878.924
 - Stainless steel
 - SVC, union connection, female pipe thread
 - Preassembled
- Model 2804**

Outlet(s)	SVC	Union	FPT	Wt [lb]	Quantity	Part No	DG
2	✓	1/4	1	5.099	1	16030	4
3	✓	1/4	1	5.658	1	16031	4
4	✓	1/4	1	6.428	1	16032	4
5	✓	1/4	1	7.343	1	16033	4
6	✓	1/4	1	8.663	1	16034	4
7	✓	1/4	1	9.642	1	16035	4
8	✓	1/4	1	10.277	1	16036	4
9	✓	1/4	1	11.792	1	16037	4
10	✓	1/4	1	12.721	1	16038	4
11	✓	1/4	1	13.576	1	16039	4
12	✓	1/4	1	14.346	1	16040	4



Manifold

- Equipped with air bleeder Model 2878.914, purge valve Model 2878.915, supply shutoff balancing valve Model 2878.924
 - Stainless steel
 - SVC, union connection, female pipe thread
 - Preassembled
- Model 2879**

Outlet(s)	SVC	Union	FPT	Wt [lb]	Quantity	Part No	DG
2	✓	1/4	1	2.454	1	16400	4
3	✓	1/4	1	5.333	1	16401	4
4	✓	1/4	1	4.279	1	16402	4
5	✓	1/4	1	6.833	1	16403	4
6	✓	1/4	1	7.318	1	16404	4
7	✓	1/4	1	8.748	1	16405	4
8	✓	1/4	1	9.697	1	16406	4
9	✓	1/4	1	11.227	1	16407	4
10	✓	1/4	1	12.142	1	16408	4
11	✓	1/4	1	12.646	1	16409	4
12	✓	1/4	1	13.881	1	16410	4



Manifold ball valve set

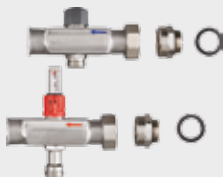
- For stainless steel manifold
- Nickel-plated brass
- Union connection, female pipe thread

Note

Includes (1) red-handled and (1) blue-handled ball valve.

Model 2877.2

Union	FPT	Wt [lb]	Quantity	Part No	DG
1/4	1	1.785	1	15056	4



Manifold expansion set

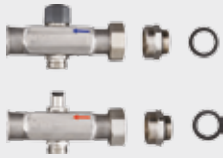
- For stainless steel manifold shutoff / balancing / flow meter
- Suitable for manifold Model 2804, manifold ball valve set Model 2877.2
- Stainless steel
- Union connection, female pipe thread

Components

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

Model 2877.5

d	Union	FPT	Outlet(s)	Wt [lb]	Quantity	Part No	DG
1/4	1/4	1	1	1.700	1	16430	4



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" MPT 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	16431	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	15186	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
✓	0.085	2	15054	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	15044	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	15053	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	15060 ¹⁾	4

¹⁾ 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	21210	4



Adapter
 - For Viega PureFlow Press connections with SVC manifold outlets
 - Bronze
 - Press connection, SVC
Model 2819NG

P	SVC	Wt [lb]	Quantity	Part No	DG
5/16	✓	0.140	5	89407	4
3/8	✓	0.141	5	89408	4
1/2	✓	0.145	5	89409	4
5/8	✓	0.161	5	89413	4
3/4	✓	0.158	5	89410	4



Compression adapter
 - Bronze
 - Compression, SVC
 - Allows Viega PEX compression connections with SVC manifold outlets
Components
 Adapter, compression ring, nut
Model 1022SV

P	SVC	Wt [lb]	Quantity	Part No	DG
5/16	✓	0.214	2	19007	4
3/8	✓	0.209	2	19008	4
1/2	✓	0.197	2	19009	4
5/8	✓	0.197	2	19010	4



Compression adapter
 - Bronze
 - Compression, SVC
 - Allows Viega PEX compression connections with SVC manifold outlets
Components
 Adapter, compression ring, nut, threaded adapter
Model 1022.1SV

P	SVC	Wt [lb]	Quantity	Part No	DG
3/4	✓	0.371	2	19011	4



SVC compression adapter
 - Only for type L copper, type K copper, type M copper
 - Brass
 - SVC
 - Allows compression copper connection with SVC manifold without soldering
Components
 Brass nut, plastic insert
Model 9438.5SV

d	SVC	Wt [lb]	Quantity	Part No	DG
1/2	✓	0.087	10	19305	4
3/4	✓	0.321	10	19306	4



SVC adapter
 - Bronze
 - Male pipe thread, SVC
Model 1022.6SV

MPT	SVC	Wt [lb]	Quantity	Part No	DG
1/2	✓	0.140	5	19109	4
3/4	✓	0.167	5	19110	4



Coupling
 - Bronze
 - SVC
Model 1022.7SV

SVC1	SVC2	Wt [lb]	Quantity	Part No	DG
✓	✓	0.153	10	19012	4



Strap-on temperature gauge set
 - Can be soldered
Components
 Gauge, mounting spring, heat transfer paste
Model 2810.3US

d	Temp [°F]	Wt [lb]	Quantity	Part No	DG
2 1/2	32–250	0.275	1	15055	4



- Manifold**
- Equipped with shutoff / balancing valve Model 2834.7US
 - Type L copper
 - Solder inlet connection, PureFlow Press outlet connection

Components

Brass valves

Model 2834.9US

Outlet(s)	d	P	gpm	Wt [lb]	Quantity	Part No	DG
12	1½	⅝	32	14.116	1	17223	4
12	1½	¾	32	13.651	1	17224	4
12	2	⅝	45	16.295	1	17204	4
12	2	¾	45	15.716	1	17205	4



- Manifold**
- Equipped with shutoff valve Model 2834.6US
 - Type L copper
 - Solder inlet connection, PureFlow Press outlet connection

Components

Brass valves

Model 2834.8US

Outlet(s)	d	P	gpm	Wt [lb]	Quantity	Part No	DG
12	1½	⅝	32	10.297	1	17221	4
12	1½	¾	32	10.027	1	17222	4
12	2	⅝	45	12.496	1	17202	4
12	2	¾	45	11.917	1	17203	4



- Manifold Valveless**
- Type L copper
 - Solder
- Model 2835US**

Outlet(s)	d1	d2	gpm	Wt [lb]	Quantity	Part No	DG
2	1	½	13	0.370	2	17140 ¹⁾	4
3	1	½	13	0.500	2	17141 ¹⁾	4
4	1	½	13	0.310	2	17142 ¹⁾	4
12	1	½	13	1.460	2	17143 ¹⁾	4
18	1½	¾	32	6.063	2	17120	4
18	2	¾	45	9.067	2	17100	4

¹⁾ copper female inlet and male outlet header



- Shutoff valve**
- Brass
 - Female copper tube size, press connection
- Model 2834.6US**

C	P	Wt [lb]	Quantity	Part No	DG
½	½	0.252	10	17260	4
¾	⅝	0.439	10	17261	4
¾	¾	0.424	10	17262	4



- Shutoff / balancing valve**
- Brass
 - Female copper tube size, press connection
- Model 2834.7US**

C	P	Wt [lb]	Quantity	Part No	DG
½	½	0.517	10	17263	4
¾	⅝	0.739	10	17264	4
¾	¾	0.725	10	17265	4



- Shutoff valve**
- Brass
 - Female copper tube size, compression
- Model 2834.3US**

C	Comp	Wt [lb]	Quantity	Part No	DG
½	½	0.390	10	17166	4
¾	⅝	0.650	10	17167	4



- Closing cap**
- For use with copper manifolds
 - Type L copper
 - Female copper tube size, female pipe thread
- Note**
- ½" FPT for draw-off (purge valve) and ⅛" FPT for automatic air vent (bottle vent).
- Model 2834.5US**

C	FPT1	FPT2	Wt [lb]	Quantity	Part No	DG
1	½	⅛	0.400	1	17144	4
1½	½	⅛	0.665	1	17125	4
2	½	⅛	0.985	1	17106	4



- Manifold bracket**
- For use with copper manifolds
 - Galvanized steel
- Model 2878.927**

d	Wt [lb]	Quantity	Part No	DG
1	0.348	2	17145	4
1½	0.505	1	17126	4
2	0.545	1	17107	4



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
0.140	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	3.034	1	18060	4
6	5.159	1	18062	4



Pump and boiler relay

Components

120 VAC supply, 24 VAC transformer, control pump and boiler contact outputs with dry or powered input signal

Model 2876.0US

	Wt [lb]	Quantity	Part No	DG
	1.040	1	18033	4



Digital thermostat

- For sensing floor and/or room temperature
- Suitable for zone control Model 2874.7US, powerhead Model 2877.7

- Adjustable setback, controls up to (4) powerheads, high or low limit protection

Model 2874.5US

V	Wt [lb]	Quantity	Part No	DG
24	0.265	1	18050	4



Floor sensor

Digital thermostat

- Suitable for digital thermostat

Model 2874.5US

- 10KΩ

Model 2874.6US

L [ft]	Wt [lb]	Quantity	Part No	DG
10	0.200	1	18051	4



Thermostat

Heat/cool non programmable

- For 1 stage heat / 1 stage cool
- Suitable for zone control Model 2874.7US, powerhead Model 2877.7

- Controls up to (4) powerheads, battery or 24V power

Model 2878.6

V	Wt [lb]	Quantity	Part No	DG
24	0.675	1	15116	4



Thermostat

Heat/cool programmable

- For 1 stage heat / 1 stage cool
- Suitable for zone control Model 2874.7US, powerhead Model 2877.7

- Controls up to (4) powerheads, battery or 24V power

Model 2878.7

V	Wt [lb]	Quantity	Part No	DG
24	0.695	1	15117	4



Thermostat

Multistage heat/cool, programmable

- Suitable for zone control Model 2874.7US, powerhead Model 2877.7

- Controls up to (4) powerheads, battery or 24V power

Model 2878.8

V	Wt [lb]	Quantity	Part No	DG
24	0.785	1	15118	4



Powerhead

- Suitable for manifold Model 2804, digital thermostat Model 2874.5US, zone control Model 2874.7US, thermostat heat/cool non programmable Model 2878.6, thermostat heat/cool programmable Model 2878.7, thermostat multistage heat/cool programmable Model 2878.8, manifold Model 2879

Model 2877.7

Wire	V	Wt [lb]	Quantity	Part No	DG
2	24 VAC	0.300	1	15070	4
4	24 VAC	0.350	1	15069	4

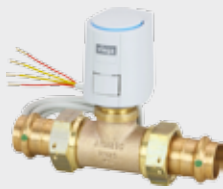


Powerhead

- Suitable for manifold Model 2804, 2879

Model 2877.8

V	Wt [lb]	Quantity	Part No	DG
0-10VDC	0.350	1	15068	4



Zone valve

- Suitable for digital thermostat Model 2874.5US, zone control Model 2874.7US, thermostat heat/cool non programmable Model 2878.6, thermostat heat/cool programmable Model 2878.7, thermostat multistage heat/cool programmable Model 2878.8

- Bronze
- Press connection

Model 2837.2US

V	P1	P2	Wt [lb]	Quantity	Part No	DG
24	3/4	3/4	1.750	1	17232	4
24	1	1	2.684	1	17233	4



Zone valve

- Suitable for digital thermostat Model 2874.5US, zone control Model 2874.7US, thermostat heat/cool non programmable Model 2878.6, thermostat heat/cool programmable Model 2878.7, thermostat multistage heat/cool programmable Model 2878.8

- Bronze
- Press connection, PureFlow Press outlet connection

Model 2837.3US

V	P1	P2	Wt [lb]	Quantity	Part No	DG
24	3/4	3/4	1.685	1	17234	4
24	1	1	2.699	1	17235	4



Zone valve

- Suitable for zone control Model 2874.7US, thermostat heat/cool non programmable Model 2878.6, thermostat heat/cool programmable Model 2878.7, thermostat multistage heat/cool programmable Model 2878.8

- Bronze
- Solder, PureFlow Press outlet connection

Model 2837.1US

V	C	P	Wt [lb]	Quantity	Part No	DG
24	3/4	3/4	1.602	1	17230	4
24	1	1	2.629	1	17231	4



Basic digital setpoint control II

- For heating and cooling temperature control for slab applications

Components

Watertight sensor, (2) isolated SPDT relay contacts

Model 2875.4US

Wt [lb]	Quantity	Part No	DG
1.816	1	17029	4



Advanced snow melt control

- Automatic activation, slab, air and moisture sensing, floating actuator or variable speed pump, boiler and system pump relay outputs

Components

Advanced snow melt control sensor, microprocessor, outdoor sensor, sensor housing, universal sensor

Model 2872.4US

	Wt [lb]	Quantity	Part No	DG
	10.487	1	17015	4

Panels, Plates, Tracks, and Mats



Viega Climate Panel

- For 5/16" ViegaPEX Barrier
- Suitable for ViegaPEX Barrier tubing Part No 11400, 11405
- Plywood with aluminum backing

Model 2810US

L [in]	Spacing [in]	Wt [lb]	Quantity	Part No	DG
48	7	2.794	10	14021	4



Viega Climate Panel Assembled

- For 5/16" ViegaPEX Barrier
- Suitable for ViegaPEX Barrier tubing Part No 11400, 11405
- Plywood with aluminum backing
- (6) hinged panels

Model 2810.2US

L [in]	Spacing [in]	Wt [lb]	Quantity	Part No	DG
48	7	13.996	1	14025	4



U-turn panel

- For 5/16" ViegaPEX Barrier
- Suitable for ViegaPEX Barrier tubing Part No 11400, 11405
- Plywood with aluminum backing

Model 2810.1US

L [in]	W [in]	Spacing [in]	Wt [lb]	Quantity	Part No	DG
48	7	7	2.799	10	14035	4



Multi-run panel

- For 5/16" ViegaPEX Barrier, multiple supply and return lines
- Suitable for ViegaPEX Barrier tubing Part No 11400, 11405
- Plywood panel

Model 2810.7US

L [in]	W [in]	Spacing [in]	Wt [lb]	Quantity	Part No	DG
48	12	7	3.999	5	14050	4



Multi-run access panel

- For 5/16" ViegaPEX Barrier, multiple supply and return lines
- Suitable for ViegaPEX Barrier tubing Part No 11400, 11405
- Plywood panel

Model 2810.71U

L [in]	W [in]	Wt [lb]	Quantity	Part No	DG
12	7	0.562	6	14055	4



Multi-run ninety panel

- For 5/16" ViegaPEX Barrier, multiple supply and return lines
- Suitable for ViegaPEX Barrier tubing Part No 11400, 11405
- Plywood panel

Model 2810.72U

L [in]	W [in]	Wt [lb]	Quantity	Part No	DG
12	12	1.105	5	14060	4

4.1



90° elbow coupling

- For 5/16" ViegaPEX Barrier
- Suitable for ViegaPEX Barrier tubing
- Part No 11400, 11405

Components

Coupling, plastic clip

Model 2810.8US

d	Wt [lb]	Quantity	Part No	DG
5/16	0.026	2	15104	4



Heat transfer adhesive

- Suitable for u-turn panel Model 2810.1US, Viega Climate Panel assembled
- Model 2810.2US, multi-run access panel
- Model 2810.71U, multi-run ninety panel
- Model 2810.72U, multi-run panel
- Model 2810.7US, Viega Climate Panel
- Model 2810US, heat transfer plate
- Model 2857US
- Heat transfer paste and adhesive

Note

Groove Tube

Model 2810.9US

contents [oz]	Wt [lb]	Quantity	Part No	DG
10.3	0.801	24	14005	4



Viega Rapid Grid

- For 3/8", 1/2", 5/8" ViegaPEX Barrier, 1/2" Viega FostaPEX
- Suitable for ViegaPEX Barrier tubing
- Part No 11415, 11418, 11425, 11427, 11428, 11430, 11435, 11436, 11440, 11445, 11450, Viega FostaPEX tubing Part No 35020, 35021
- High impact polystyrene
- Grid fastening system

Model 2857.2US

L [ft]	W [ft]	H [in]	Wt [lb]	Quantity	Part No	DG
4	2	2 7/8	2.939	8	15216	4

4.1



Viega Climate Trak

- Suitable for ViegaPEX Barrier 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	3 1/2	3/8	1.150	20	15209	4
8	3 1/2	3/8	1.450	20	15207	4
4	3 1/2	1/2	1.150	20	15210	4
8	3 1/2	1/2	2.399	20	15208	4



Heat transfer plate

- Suitable for ViegaPEX Barrier 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	3/8	0.174	100	15205	4
19	5	1/2	0.180	100	15206	4

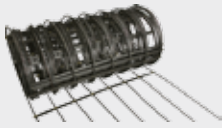


Clip

- Plastic

Model 2871.6US

d	Wt [lb]	Quantity	Part No	DG
5/16	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	0.160	1	18150	4
½	9	4	4	6	0.160	1	18151	4
½	6	6	3	6	0.160	1	18154	4
½	6	6	2	6	0.160	1	18155	4
½	9	4	2	6	0.160	1	18156	4
¾	9	4	2	6	0.160	1	18157	4
¾	9	4	4	6	0.160	1	18160	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	0.160	1	18158	4
½	12	3	3	5	0.160	1	18152	4
¾	12	3	3	5	0.160	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
¾	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



Mixing station Base unit
 - For supply temperature modulation
 - Equipped with circulator Model 2801.1US,
 2801.9US
Components
 Isolation ball valves, mounting bracket,
 supply temperature sensor well, 3-speed
 circulator
Model 2801.0US

Circulator	Connections	Wt [lb]	Quantity	Part No	DG
high head	ProPress	26.036	1	12121	4
high head	PureFlow Press	27.422	1	12123	4
high head	copper (male)	26.092	1	12125	4



Hydronic mixing block
 - Circulator, control, mixing valve
Components
 3-speed circulator, control, air vent, adapter
 fittings, bracket and sensors
Model 2887.3

Wt [lb]	Quantity	Part No	DG
8.488	1	56160	4

Valves



Mixing valve Three way
 - Female pipe thread
 - Regulates supply fluid temperature to the
 system from the source, manual or electric
 control
Model 2876.3US

FPT	Wt [lb]	Quantity	Part No	DG
¾	1.095	1	20080	4
1	1.631	1	20081	4
1¼	2.374	1	20082	4
1½	3.884	1	20083	4
2	5.333	1	20084	4



Diverting valve
Three way
 - Female copper tube size
Components
 - Solder tailpieces
Model 2873.1US

C	Wt [lb]	Quantity	Part No	DG
3/4	2.199	1	20001	4
1	2.999	1	20002	4
1 1/4	6.098	1	20003	4
1 1/2	6.098	1	20041	4



Viega ProPress tailpiece
Smart Connect technology, Zero Lead
 - For use with ASTM B88 tubing
 - Bronze
 - Press connection, female union BSP
Components
 - EPDM sealing element, EPDM flat gasket
Model 2957ZL

P	F BSP	Wt [lb]	Quantity	Part No	DG
1/2	1	0.220	1	79800	8
3/4	1	0.248	1	79805	8
1	1	0.304	1	79810	8
1	1 1/4	0.379	1	79815	8



Actuator
 - Suitable for mixing valve three way
 Model 2876.3US
 - Modulating
Model 2870.7US

V	for d	Wt [lb]	Quantity	Part No	DG
24 VAC	3/4, 1, 1 1/4, 1 1/2, 2	0.115	1	20042	4



Actuator
Three position
 - For diverting valve control
 - Suitable for basic heating control
 Model 2871.0US, diverting valve three way
 Model 2873.1US
 - Floating
Model 2872.7US

V	Wt [lb]	Quantity	Part No	DG
24 VAC	0.535	1	18003	4



Actuator
Proportional
 - For diverting valve control from direct digital control (DDC) system
 - Modulating
Model 2877.81

V	Wt [lb]	Quantity	Part No	DG
0-10VDC	0.565	1	18027	4

Tools



Viega PureFlow Press hand tool
 - Ratcheting design, color coded handles
Model 2882US

d	Version	Wt [lb]	Quantity	Part No	DG
5/16	black	3.394	1	60010	4
3/8	green	3.446	1	50000	6
1/2	yellow	3.409	1	50020	6
5/8	red	3.459	1	50030	4
3/4	blue	2.349	1	50040	6
1	orange	3.549	1	50060	6



Viega PureFlow Press starter tool set
 - Equipped with Viega PureFlow Press hand tool Part No 50020, 50040, tubing cutter
 Model 2889.2US
Model 2880.2

for d	Wt [lb]	Quantity	Part No	DG
1/2, 3/4	12.986	1	56000	6



Viega PureFlow Press complete heating tool set

- Equipped with Viega PureFlow Press hand tool Part No 50000, 50020, 50030, 50040, 50060, prep tool Model 2858

Model 2880.5US

for d	Wt [lb]	Quantity	Part No	DG
3/8, 1/2, 5/8, 3/4, 1	26.992	1	56030	4



Prep tool

- For removing PE and aluminum layer from Viega FostaPEX tubing

Model 2858

for d	Wt [lb]	Quantity	Part No	DG
1/2, 3/4	1.150	1	54030	6
5/8, 1	1.500	1	54050	6



Blade

- Spare part for prep tool Model 2858
- Steel

Model 2858.1

	Wt [lb]	Quantity	Part No	DG
	0.015	2	54075	6



New

Compact press tool kit

- For Viega PureFlow Press connections 3/8" - 1 1/2", Viega ProPress connections 1/2"-1 1/4"
- Not for 2" Viega PureFlow Press connections
- Equipped with PureFlow press jaw compact Part No 56053, 56055, 56056

Components

Ridgid 240 tool, battery, battery charger, hard case, jaws

Model 2999.6

	Wt [lb]	Quantity	Part No	DG
	20.699	1	57063	16



New

Compact press tool

- For Viega PureFlow Press connections 3/8" - 1 1/2", Viega ProPress connections 1/2"-1 1/4"
- Not for 2" Viega PureFlow Press connections

Components

Ridgid 240 tool, battery, battery charger, hard case

Model 2999.7

	Wt [lb]	Quantity	Part No	DG
	13.501	1	57064	16



Standard press tool

- For Viega PureFlow Press connections 1/2"-2", Viega ProPress connections 1/2"-4", Viega MegaPress connections 1/2"-4"

Components

Ridgid 340 tool, battery, battery charger, hard case

Model 2980.71

	Wt [lb]	Quantity	Part No	DG
	22.854	1	56024	16



PureFlow press jaw Compact

- For Ridgid compact tools, PEX tubing
- Steel

Model 2884.7US

Press Jaws	Wt [lb]	Quantity	Part No	DG
3/8	2.434	1	56052	16
1/2	2.359	1	56053	16
5/8	2.299	1	56054	16
3/4	2.374	1	56055	16
1	1.465	1	56056	16
1 1/4	2.664	1	56060	16
1 1/2	2.579	1	56061	16

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PureFlow press jaw Standard
 - For Ridgid standard tools, PEX tubing
 - Steel
Model 2899.7US

Press Jaws	Wt [lb]	Quantity	Part No	DG
1/2	4.049	1	56073	16
5/8	3.699	1	56074	16
3/4	3.884	1	56075	16
1	3.929	1	56076	16
1 1/4	3.419	1	56080	16
1 1/2	3.499	1	56081	16
2	8.248	1	56082	16



SVC wrench
 - For SVC fitting nuts on manifolds
 - Chrome-plated steel
Model 2889.4US

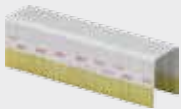
SVC	Wrench [in]	Wrench	Wt [lb]	Quantity	Part No	DG
✓	1 3/16	30	0.310	1	50002	4

Wrench = wrench size (in inch)



Pneumatic staple gun
 - For ViegaPEX Barrier 5/16" to 5/8"
 - Consistently leaves 1/8" above tubing
Model 2889.7US

Wt [lb]	Quantity	Part No	DG
8.997	1	21430	4



Staple Pneumatic staple gun
 - Suitable for pneumatic staple gun
 Model 2889.7US
 - Galvanized steel
Model 2889.8US

W [in]	D [in]	Wt [lb]	Quantity	Part No	DG
1	1 1/4	0.003	10000	21431	4



Pneumatic PEX hammer
 - For installation of PEX tubing
 - Suitable for u-turn panel Model 2810.1US, Viega Climate Panel assembled Model 2810.2US, multi-run access panel Model 2810.71U, multi-run ninety panel Model 2810.72U, multi-run panel Model 2810.7US, Viega Climate Panel Model 2810US, Viega Climate Trak Model 2857.1US
Model 2899.8US

Wt [lb]	Quantity	Part No	DG
1.250	1	21450	4



Stapler
 - For foam board insulation
 - Suitable for staple Model 2890.0US, staple foam staple gun Model 2890.3US
 - Manual
Model 2891.1US

Wt [lb]	Quantity	Part No	DG
8.283	1	21432	4



Staple
 - Suitable for stapler Model 2891.1US
 - Plastic
Model 2890.0US

L [in]	Wt [lb]	Quantity	Part No	DG
2 1/2	0.003	300	15312	4



Staple
Foam staple gun
 - Suitable for stapler Model 2891.1US
 - Plastic
Model 2890.3US

L [in]	Wt [lb]	Quantity	Part No	DG
1½	0.005	300	15313	4



Decoiler drum and base
 - Suitable for ViegaPEX Barrier tubing
 Part No 11440, 11450, 11460, 11462
Note
 Does not include Viega PureFlow PEX tubing
Model 2875.6US

max d	Wt [lb]	Quantity	Part No	DG
¾	129.963	1	21310	4



Decoiler Compact
 - Suitable for ViegaPEX Barrier tubing
 Part No 11400, 11405, 11415, 11418, 11425, 11427, 11428, 11430, 11435, 11436, 11445, 11455, 11457, 11458, 11460
 - Folds for easy transport
Model 2889.6US

max d	Wt [lb]	Quantity	Part No	DG
¾	31.991	1	21316	4



Tubing cutter
 - For PEX tubing
 - Suitable for Viega FostaPEX tubing
 Model 2805US, 2806US, 2808US
 - Steel
 - Ratcheting design
Model 2840

max d	Wt [lb]	Quantity	Part No	DG
2	1.595	1	53561	5



Tubing cutter
 - For PEX tubing
 - Plastic
Model 2889.2US

max d	Wt [lb]	Quantity	Part No	DG
1	0.351	1	21304	5



Tubing cutter
 - For PEX tubing
 - Plastic
Model V5055

max d	Wt [lb]	Quantity	Part No	DG
1½	0.401	1	21307	5



Blade
 - Suitable for tubing cutter Model V5055
 - Steel
Model V5055.1

	Wt [lb]	Quantity	Part No	DG
	0.075	1	21317	5

Accessories



Circulator
 - Cast iron
 - 3-speed, direct drive, wet rotor, inline
Model 2801.1US

Circulator	Wt [lb]	Quantity	Part No	DG
low head	7.248	1	12126	4



Circulator
 - Cast iron
 - 3-speed, direct drive, wet rotor, inline
Model 2801.9US

Circulator	Wt [lb]	Quantity	Part No	DG
high head	10.247	1	12127	4



Flange set
Components
 (2) flanges, (2) sealing elements, (4) nuts,
 (4) bolts
Model 2881.9US

d	Wt [lb]	Quantity	Part No	DG
¾	2.234	1	16207	4
1	2.209	1	16209	4
1¼	1.915	1	16211	4
1½	1.915	1	16212	4



Spring check valve
 - For prevention of gravity circulation or backflow
 - Female pipe thread
 - Horizontal or vertical installation, non-ferrous
Model 2873.4US

FPT1	FPT2	Wt [lb]	Quantity	Part No	DG
½	½	0.255	1	20201	4
¾	¾	0.400	1	20202	4
1	1	0.562	1	20203	4
1¼	1¼	0.800	1	20204	4
1½	1½	1.100	1	20205	4



Sensor well
 - For housing temperature sensor
 - Suitable for basic heating control
 Model 2871.0US
 - Fits into solder cup or Viega ProPress fitting
Model 2801.4US

CTS	Wt [lb]	Quantity	Part No	DG
½	0.090	1	12128	4



Heat exchanger
 - Brazed stainless steel
Model 2859US

W [in]	L [in]	H [in]	Plates	Wt [lb]	Quantity	Part No	DG
5	12	1.8	16	8.343	1	22006	4
5	12	3.6	36	14.856	1	22007	4
5	12	6.7	70	28.992	1	22008	4



Pressure differential valve
 - Brass
 - Female pipe thread
Model 2871.8US

FPT	Wt [lb]	Quantity	Part No	DG
1	2.209	1	20102	4
1¼	3.159	1	20103	4

Spare parts



Flow meter cap
 - For stainless steel manifold shutoff / balancing / flow meter
 - Spare part for manifold Model 2804
 - Plastic
Model 2878.910

	Wt [lb]	Quantity	Part No	DG
	0.015	1	15171	4



Return shutoff cap
 - For stainless steel manifold shutoff / balancing, stainless steel manifold shutoff / balancing / flow meter
 - Spare part for manifold Model 2804, 2879
 - Plastic
Model 2878.921

	Wt [lb]	Quantity	Part No	DG
	0.001	1	16432	4



Manifold replacement temperature gauge
 - For stainless steel manifold shutoff / balancing / flow meter
 - Spare part for manifold Model 2804
Model 2878.913

Temp [°F]	Wt [lb]	Quantity	Part No	DG
32-176	0.095	1	15175	4



Air bleeder
 - For stainless steel manifold shutoff / balancing, stainless steel manifold shutoff / balancing / flow meter
 - Spare part for manifold Model 2804, 2879
 - Nickel-plated brass
 - Male pipe thread
 - Manual
Model 2878.914

	Wt [lb]	Quantity	Part No	DG
	0.100	1	15176	4



Purge valve
 - For stainless steel manifold shutoff / balancing, stainless steel manifold shutoff / balancing / flow meter
 - Spare part for manifold Model 2804, 2879
 - Nickel-plated brass
 - Male pipe thread
Model 2878.915

	Wt [lb]	Quantity	Part No	DG
	0.330	1	15177	4



Return valve seat Long
 - For stainless steel manifold shutoff / balancing / flow meter
 - Spare part for manifold Model 2804
 - Nickel-plated brass
 - Male pipe thread, SVC
Model 2878.916

SVC	Wt [lb]	Quantity	Part No	DG
✓	0.175	1	15178	4



Return valve seat Short
 - For stainless steel manifold shutoff / balancing
 - Spare part for manifold Model 2879
 - Nickel-plated brass
 - Male pipe thread, SVC
Model 2878.917

SVC	Wt [lb]	Quantity	Part No	DG
✓	0.115	1	15179	4

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Supply valve seat

- For stainless steel manifold shutoff / balancing / flow meter
- Spare part for manifold Model 2804
- Nickel-plated brass
- Male pipe thread, SVC

Model 2878.918

SVC	Wt [lb]	Quantity	Part No	DG
✓	0.155	1	15180	4



Return valve

- For stainless steel manifold shutoff / balancing, stainless steel manifold shutoff / balancing / flow meter
- Spare part for manifold Model 2804, 2879

Model 2878.919

	Wt [lb]	Quantity	Part No	DG
	0.200	1	15181	4



Supply shutoff balancing valve

- For stainless steel manifold shutoff / balancing
- Spare part for manifold Model 2879
- Nickel-plated brass
- Male pipe thread

Model 2878.924

	Wt [lb]	Quantity	Part No	DG
	0.152	1	15182	4



Temperature gauge well

- For stainless steel manifold shutoff / balancing / flow meter
- Spare part for manifold Model 2804
- Nickel-plated brass
- Male pipe thread

Model 2878.925

	Wt [lb]	Quantity	Part No	DG
	0.125	1	15183	4



Supply flow meter valve

- For stainless steel manifold shutoff / balancing / flow meter
- Spare part for manifold Model 2804
- Nickel-plated brass
- Male pipe thread
- Clear plastic sight glass

Model 2878.920

	Wt [lb]	Quantity	Part No	DG
	0.184	1	15184	4



Inlet gasket

- For stainless steel manifold shutoff / balancing, stainless steel manifold shutoff / balancing / flow meter
- Spare part for manifold Model 2804, 2879
- Rubber

Model 2878.923

	Wt [lb]	Quantity	Part No	DG
	0.013	2	15170	4

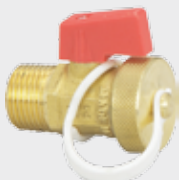


Bracket

- For stainless steel manifold shutoff / balancing, stainless steel manifold shutoff / balancing / flow meter
- Spare part for manifold Model 2804, 2879
- Galvanized steel

Model 2878.912

	Wt [lb]	Quantity	Part No	DG
	0.395	2	15174	4



Purge valve

- For 1½" and 1" brass manifolds
- Brass
- National Pipe Thread, hose connection

Model 1069SV

NPT	Wt [lb]	Quantity	Part No	DG
½	0.234	1	15032	4

 <p>Air vent - For 1½" and 1" brass manifolds - Brass <u>Components</u> Air vent, air bleeder Model 1028SV</p>	MPT	Wt [lb]	Quantity	Part No	DG	
	¾"	0.476	1	15033	4	
 <p>Outdoor sensor - Spare part for basic heating control Model 2871.0US, advanced snow melt control Model 2872.4US, hydronic mixing block Model 2887.3 - Plastic <u>Components</u> 10kΩ thermistor Model 2871.4US</p>	Temp [°F]	W [in]	Wt [lb]	Quantity	Part No	DG
	-60-140	1½"	0.335	1	16017	4
 <p>Universal sensor - Suitable for sensor well Model 2801.4US, basic heating control Model 2871.0US, advanced snow melt control Model 2872.4US, hydronic mixing block Model 2887.3 - 10KΩ sensor Model 2870.9US</p>	L [in]	Wt [lb]	Quantity	Part No	DG	
	12	0.110	1	16018	4	
 <p>Setpoint or basic snow sensor cable - Suitable for basic digital setpoint control II Model 2875.4US Model 2875.5US</p>	L [ft]	Wt [lb]	Quantity	Part No	DG	
	6	0.002	1	17031	4	
 <p>Advanced snow melt control sensor - Spare part for advanced snow melt control Model 2872.4US - Suitable for sensor housing Model 2865.3US Model 2875.8US</p>	L [ft]	Wt [lb]	Quantity	Part No	DG	
	65	3.349	1	17016	4	
 <p>Sensor housing - Spare part for advanced snow melt control Model 2872.4US Model 2865.3US</p>		Wt [lb]	Quantity	Part No	DG	
		1.100	1	17017	4	
 <p>Microprocessor - Spare part for advanced snow melt control Model 2872.4US Model 2865.4US</p>		Wt [lb]	Quantity	Part No	DG	
		2.514	1	17020	4	
 <p>Compression ring - Brass Model 1022.8SV</p>	d ring	Wt [lb]	Quantity	Part No	DG	
	5/16"	0.008	10	19025	4	
	¾"	0.010	10	19026	4	
	½"	0.012	10	19027	4	
	5/8"	0.014	10	19028	4	
	¾"	0.016	10	19029	4	



SVC adapter

- For adapting 16mm PEX to SVC connections
 - Brass
- Model 2876.4US**

Wt [lb]	Quantity	Part No	DG
0.196	10	19412	4



Return valve

- For Stadler brass manifolds
 - Brass
 - Male pipe thread
- Model 2876.5US**

Wt [lb]	Quantity	Part No	DG
0.220	1	13265	4



Supply valve

- For Stadler brass manifolds
 - Brass
- Model 2876.6US**

Wt [lb]	Quantity	Part No	DG
0.330	1	13266	4



Valve seat

- For Stadler brass manifold supply and return
 - Brass
 - Male pipe thread
- Model 2876.7US**

Wt [lb]	Quantity	Part No	DG
0.140	1	13267	4



Supply valve

- For 1" brass manifolds
 - Brass
 - Male pipe thread
- Model 2887.0**

Wt [lb]	Quantity	Part No	DG
0.160	1	15003	4



Valve seat

- For 1" brass manifold supply and return
 - Brass
 - Male pipe thread
- Model 2887.1**

Wt [lb]	Quantity	Part No	DG
0.136	1	15004	4



Return valve

- For 1" brass manifolds
 - Brass
 - Male pipe thread
- Model 2887.2**

Wt [lb]	Quantity	Part No	DG
0.258	1	15005	4



Adapter ring

- For adapting powerhead to 1" brass manifold
 - Suitable for powerhead Model 2877.7
 - Plastic
- Model 2877.9**

Wt [lb]	Quantity	Part No	DG
0.035	1	15063	4



Adapter ring
 - For adapting powerhead to Stadler brass manifold
 - Suitable for powerhead Model 2877.7
 - Plastic
Model 2879.9US

Wt [lb]	Quantity	Part No	DG
0.045	1	15065	4



Adapter ring
 - For stainless steel manifold
 - Suitable for powerhead Model 2877.7
 - Plastic
Model 2899.1

Wt [lb]	Quantity	Part No	DG
0.025	1	15066	4



Hydronic mixing block supply fitting #1
 - For replacement of hydronic mixing block supply fitting #1
 - Spare part for hydronic mixing block Model 2887.3
 - Plastic
Note
 Order gasket and O-ring separately
Model 2887.31

Wt [lb]	Quantity	Part No	DG
0.075	1	56162	4



Hydronic mixing block return fitting #2
 - For replacement of hydronic mixing block return fitting #2
 - Spare part for hydronic mixing block Model 2887.3
 - Plastic
Note
 Order gasket and O-ring separately
Model 2887.32

Wt [lb]	Quantity	Part No	DG
0.085	1	56163	4



Hydronic mixing block delivery fitting #3
 - For replacement of hydronic mixing block delivery fitting #3
 - Spare part for hydronic mixing block Model 2887.3
 - Plastic
Note
 Order gasket and O-ring separately
Model 2887.33

Wt [lb]	Quantity	Part No	DG
0.085	1	56164	4



Hydronic mixing block gasket
 - For fittings 1-3
 - Spare part for hydronic mixing block Model 2887.3, hydronic mixing block supply fitting #1 Model 2887.31, hydronic mixing block return fitting #2 Model 2887.32, hydronic mixing block delivery fitting #3 Model 2887.33
 - Rubber
Model 2887.30

Wt [lb]	Quantity	Part No	DG
0.002	1	56165	4



Hydronic mixing block O-ring
 - For fittings 1-3
 - Spare part for hydronic mixing block Model 2887.3, hydronic mixing block supply fitting #1 Model 2887.31, hydronic mixing block return fitting #2 Model 2887.32, hydronic mixing block delivery fitting #3 Model 2887.33
 - Rubber
Model 2887.37

Wt [lb]	Quantity	Part No	DG
0.005	1	56169	4

4.1



Clip

- For use with hydronic mixing block fittings 1-3
- Spare part for hydronic mixing block Model 2887.3
- Aluminum

Model 2887.38

	Wt [lb]	Quantity	Part No	DG
	0.009	1	56170	4



Hydronic mixing block T&P sensor

- Spare part for hydronic mixing block Model 2887.3

Note

Order T&P sensor O-ring seperately

Model 2887.34

	Wt [lb]	Quantity	Part No	DG
	0.060	1	56166	4



Hydronic mixing block T&P sensor O-ring

- For T&P sensor
- Spare part for hydronic mixing block Model 2887.3, hydronic mixing block T&P sensor Model 2887.34

Model 2887.35

	Wt [lb]	Quantity	Part No	DG
	0.005	1	56167	4



Terminal block

- For use with hydronic mixing block
- Spare part for hydronic mixing block Model 2887.3
- Plastic

Model 2887.4

	Wt [lb]	Quantity	Part No	DG
	0.035	1	56173	4



Circulator

- For use with hydronic mixing block
- Spare part for hydronic mixing block Model 2887.3
- Cast iron

Model 2887.41

	Wt [lb]	Quantity	Part No	DG
	3.514	1	56174	4