

# Heating and Cooling Solutions



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## 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 all 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
- Backed by a 30-year warranty on Viega Barrier PEX, PureFlow Press metal and polymer fittings
- Technical support
- Design and layout services

### NOTE

Products within this section meet various codes, standards, listings and certifications. Please refer to the most up-to-date Tech Data sheets relevant to the product or to the listing agency's official record. A green dot on a Viega PureFlow Press polymer fitting indicates Smart Connect technology.

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**Tubing**



**Viega Barrier PEX 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, ASTM F3253, NSF 61

**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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**Viega Barrier PEX 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, ASTM F3253, NSF 61

**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	15	11505	4
1 1/4	20	black with stripe	5.280	10	11510	4
1 1/2	20	black with stripe	7.400	5	11515	4
2	20	black with stripe	12.280	5	11520	4



**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
1/2	6 1/2	1.029	16	15310	4
5/8	6 1/2	1.899	16	15311	4
3/4	6 1/2	1.300	16	15314	4



**Bend support**  
 - For in slab applications  
 - Not suitable for Viega FostaPEX  
 - Plastic  
**Model 2851US**

for d	Wt [lb]	Quantity	Part No	DG
3/8	0.075	10	<b>15106</b>	4
1/2	0.127	10	<b>15107</b>	4
3/4, 3/4	0.190	10	<b>15108</b>	4
1	0.730	1	<b>15111</b>	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	0.120	1	<b>15320</b>	4



**J-clamp tubing fasteners**  
 - Plastic  
Components  
 Nail  
**Model 2860US**


for d	Wt [lb]	Quantity	Part No	DG
3/8	0.006	100	<b>52000</b>	2
1/2	0.008	100	<b>52020</b>	2
3/4	0.013	100	<b>52040</b>	2
1	0.021	100	<b>52060</b>	2



**Lock clip**  
 - Plastic  
**Model 2863US**


for d	Wt [lb]	Quantity	Part No	DG
5/16	0.009	100	<b>58070</b>	4
3/8	0.009	100	<b>58071</b>	2
1/2	0.013	100	<b>58072<sup>1)</sup></b>	2
3/4	0.009	50	<b>58073</b>	2
1	0.020	50	<b>58074</b>	2
1 1/4	0.030	50	<b>58075</b>	2
1 1/2	0.040	25	<b>58076</b>	2
2	0.050	15	<b>58077</b>	2

<sup>1)</sup> Suitable for Viega Barrier PEX tubing Part No 11445, 11450




**Multi-clip**  
 - Plastic  
Components  
 Mounting screw  
**Model 2867US**

max d	Wt [lb]	Quantity	Part No	DG
1	0.024	100	<b>52006</b>	2
2	0.090	50	<b>52007</b>	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	0.004	50	<b>18165</b>	4
3/8	0.004	50	<b>18166</b>	4



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

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



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

for d	Wt [lb]	Quantity	Part No	DG
3/8	0.062	25	<b>51000</b>	2
1/2	0.083	25	<b>51020</b>	2
5/8, 3/4	0.154	25	<b>51040</b>	2
1	0.258	25	<b>51060</b>	2

**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	<b>93520</b>	6
3/4	3/4	0.156	10	<b>93540</b>	6
1	1	0.212	10	<b>93560</b>	6
1 1/4	1 1/4	0.359	5	<b>93570</b>	6
1 1/2	1 1/2	0.450	5	<b>93580</b>	6
2	2	1.594	1	<b>93590</b>	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	<b>83530</b>	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	<b>49210</b>	6
1/2	1/2	0.029	25	<b>49220</b>	6
3/4	3/4	0.047	25	<b>49240</b>	6
1	1	0.080	10	<b>49260</b>	6
1 1/4	1 1/4	0.171	5	<b>49270</b>	6
1 1/2	1 1/2	0.220	5	<b>49280</b>	6
2	2	0.377	1	<b>49290</b>	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	<b>89312</b>	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	<b>89313</b>	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	<b>92520</b>	6
1/2	3/4	0.315	10	<b>92525</b>	6
3/4	3/4	0.313	10	<b>92540</b>	6
3/4	1	0.748	10	<b>92545</b>	6
3/4	1 1/4	1.210	2	<b>92565</b>	6
1	1	0.743	10	<b>92560</b>	6
1	1 1/4	1.201	2	<b>92570</b>	6
1 1/4	1 1/4	1.270	2	<b>92757</b>	6
1 1/2	1 1/2	1.415	2	<b>92580</b>	6
2	2	2.870	2	<b>92590</b>	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	<b>84030</b>	4



**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	<b>94020</b>	6
1/2	1/2	3/4	0.194	10	<b>94022</b>	6
3/4	1/2	1/2	0.177	10	<b>94032</b>	6
3/4	1/2	3/4	0.177	10	<b>94034</b>	6
3/4	3/4	1/2	0.185	10	<b>94036</b>	6
3/4	3/4	3/4	0.182	10	<b>94040</b>	6
1	1/2	1/2	0.282	10	<b>94037</b>	6
1	1/2	1	0.233	10	<b>94039</b>	6
1	3/4	1/2	0.287	10	<b>94038</b>	6
1	3/4	3/4	0.220	10	<b>94052</b>	6
1	3/4	1	0.242	10	<b>94053</b>	6
1	1	1/2	0.216	10	<b>94050</b>	6
1	1	3/4	0.262	10	<b>94056</b>	6
1	1	1	0.296	10	<b>94060</b>	6
1 1/4	1	3/4	0.529	5	<b>94071</b>	6
1 1/4	1	1	0.581	5	<b>94073</b>	6
1 1/4	1 1/4	3/4	0.547	5	<b>94072</b>	6
1 1/4	1 1/4	1	0.588	5	<b>94074</b>	6
1 1/4	1 1/4	1 1/4	0.716	5	<b>94070</b>	6
1 1/2	1	3/4	0.627	5	<b>94081</b>	6
1 1/2	1	1	0.740	5	<b>94082</b>	6
1 1/2	1 1/2	3/4	0.681	5	<b>94083</b>	6
1 1/2	1 1/2	1	0.767	5	<b>94084</b>	6
1 1/2	1 1/2	1 1/4	0.860	5	<b>94085</b>	6
1 1/2	1 1/2	1 1/2	0.957	5	<b>94080</b>	6
2	2	2	1.772	1	<b>94090</b>	6



**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	1/2	0.245	5	49888 <sup>1</sup>	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 1/2	0.245	5	49886 <sup>1</sup>	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	0.214	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	0.309	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

<sup>1)</sup> Available soon!

**Adapters**



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

P	MPT	Wt [lb]	Quantity	Part No	DG
3/8	1/2	0.119	5	80527	4
3/8	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	0.098	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 transition coupling**  
**Smart Connect technology**  
**Zero Lead**  
 - For transitioning between Viega PureFlow Press and Viega ProPress  
 - Bronze  
 - Press connection  
Components  
 EPDM sealing elements  
Note  
 ProPress and PureFlow tool and jaws 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 and B75 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	4



**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	0.655	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	97590 <sup>1)</sup>	6

<sup>1)</sup> 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	0.120	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
3/8	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

4.1

## 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	✓	1¼	1	5.142	1	16030	4
3	✓	1¼	1	5.587	1	16031	4
4	✓	1¼	1	6.687	1	16032	4
5	✓	1¼	1	6.687	1	16033	4
6	✓	1¼	1	8.351	1	16034	4
7	✓	1¼	1	9.202	1	16035	4
8	✓	1¼	1	10.097	1	16036	4
9	✓	1¼	1	11.027	1	16037	4
10	✓	1¼	1	11.935	1	16038	4
11	✓	1¼	1	12.766	1	16039	4
12	✓	1¼	1	13.751	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	✓	1¼	1	4.417	1	16400	4
3	✓	1¼	1	5.217	1	16401	4
4	✓	1¼	1	6.068	1	16402	4
5	✓	1¼	1	6.947	1	16403	4
6	✓	1¼	1	7.798	1	16404	4
7	✓	1¼	1	8.576	1	16405	4
8	✓	1¼	1	9.711	1	16406	4
9	✓	1¼	1	10.515	1	16407	4
10	✓	1¼	1	11.421	1	16408	4
11	✓	1¼	1	12.230	1	16409	4
12	✓	1¼	1	12.975	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
1¼	1	1.802	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) 1¼" MPT x 1" MPT adapter, (2) gaskets, (2) expansion nipples

### Model 2877.5

d	Union	FPT	Outlet(s)	Wt [lb]	Quantity	Part No	DG
1¼	1¼	1	1	2.409	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) 1¼" MPT x 1" MPT adapter, (2) gaskets, (2) expansion nipples

### Model 2877.4

d	Union	FPT	Outlet(s)	Wt [lb]	Quantity	Part No	DG
1¼	1¼	1	1	2.288	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
1¼	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
✓	0.042	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
1¼	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



**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) 1¼" 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
1.898	1	<b>21210</b>	4



**Heating and Cooling Solutions 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	<b>89407</b>	4
3/8	✓	0.141	5	<b>89408</b>	4
1/2	✓	0.145	5	<b>89409</b>	4
5/8	✓	0.161	5	<b>89413</b>	4
3/4	✓	0.158	5	<b>89410</b>	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	<b>19007</b>	4
3/8	✓	0.209	2	<b>19008</b>	4
1/2	✓	0.197	2	<b>19009</b>	4
5/8	✓	0.197	2	<b>19010</b>	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	<b>19011</b>	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	<b>19305</b>	4
3/4	✓	0.321	10	<b>19306</b>	4



**SVC adapter**

- Bronze
- Male pipe thread, SVC

**Model 1022.6SV**

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



**Coupling**

- Bronze
- SVC

**Model 1022.7SV**

SVC1	SVC2	Wt [lb]	Quantity	Part No	DG
✓	✓	0.153	10	<b>19012</b>	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	0.260	1	<b>15055</b>	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	1 1/2	5/8	32	14.116	1	<b>17223</b>	4
12	1 1/2	3/4	32	13.906	1	<b>17224</b>	4
12	2	5/8	45	16.295	1	<b>17204</b>	4
12	2	3/4	45	15.721	1	<b>17205</b>	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	1 1/2	5/8	32	10.297	1	<b>17221</b>	4
12	1 1/2	3/4	32	10.027	1	<b>17222</b>	4
12	2	5/8	45	12.496	1	<b>17202</b>	4
12	2	3/4	45	11.917	1	<b>17203</b>	4



**Manifold**

**Valveless**

- Type L copper

- Solder

**Model 2835US**

Outlet(s)	d1	d2	gpm	Wt [lb]	Quantity	Part No	DG
2	1	1/2	13	0.370	2	<b>17140</b> <sup>1)</sup>	4
3	1	1/2	13	0.500	2	<b>17141</b> <sup>1)</sup>	4
4	1	1/2	13	0.310	2	<b>17142</b> <sup>1)</sup>	4
12	1	1/2	13	1.699	2	<b>17143</b> <sup>1)</sup>	4
18	1 1/2	3/4	32	6.063	2	<b>17120</b>	4
18	2	3/4	45	9.067	2	<b>17100</b>	4

<sup>1)</sup> 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
1/2	1/2	0.252	10	<b>17260</b>	4
3/4	5/8	0.434	10	<b>17261</b>	4
3/4	3/4	0.424	10	<b>17262</b>	4



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

P	C	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.514	10	<b>17263</b>	4
5/8	3/4	0.739	10	<b>17264</b>	4
3/4	3/4	0.725	10	<b>17265</b>	4



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

C	Comp	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.390	10	<b>17166</b>	4
3/4	5/8	0.650	10	<b>17167</b>	4



**Closing cap**  
 - For use with copper manifolds  
 - Type L copper  
 - Female copper tube size, female pipe thread  
**Note**  
 1/2" FPT for draw-off (purge valve) and 1/8" FPT for automatic air vent (bottle vent).  
**Model 2834.5US**

C	FPT1	FPT2	Wt [lb]	Quantity	Part No	DG
1	1/2	1/8	0.400	1	<b>17144</b>	4
1 1/2	1/2	1/8	0.665	1	<b>17125</b>	4
2	1/2	1/8	0.750	1	<b>17106</b>	4



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

d	Wt [lb]	Quantity	Part No	DG
1	0.348	2	<b>17145</b>	4
1 1/2	0.505	1	<b>17126</b>	4
2	0.545	1	<b>17107</b>	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	4 1/2	25.993	1	<b>15800</b>	4
27	30	4 1/2	31.991	1	<b>15801</b>	4
45	30	4 1/2	45.987	1	<b>15802</b>	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
0.119	1	<b>15217</b>	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
2.488	1	<b>16015</b>	4

4.1



**Indoor sensor**

- Use with basic heating control Model 2871.0US
- Model 2871.2US**

	Wt [lb]	Quantity	Part No	DG
	0.108	1	<b>16016</b>	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
	0.009	1	<b>16020</b>	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	3.632	1	<b>18060</b>	4
6	5.653	1	<b>18062</b>	4



**RABS - Control unit**

- Use only with Radiant Auto-Balancing System
- Supports up to 8 thermostats and 12 powerheads

Components

Supply sensor, ribbon cable (large)

**Model 1250US**

V	Wt [lb]	Quantity	Part No	DG
120 VAC	1.112	1	<b>17040</b>	4

New



**RABS - Powerhead**

- Use only with Radiant Auto-Balancing System
- Up to 12 per control unit

Note

Required for proper function of RABS

**Model 1250.1US**

V	Wt [lb]	Quantity	Part No	DG
24 VDC	0.194	1	<b>17045</b>	4

New





**RABS - Return sensor port**  
 - Brass  
 - Use only with Radiant Auto-Balancing System  
 - Up to 12 per control unit  
Note  
 Required for proper function of RABS  
**Model 1250.2US**

SVC1	SVC2	Wt [lb]	Quantity	Part No	DG
✓	✓	0.244	1	<b>17050</b>	4

New



**RABS - Circuit hub**  
 - Use only with Radiant Auto-Balancing System  
 - Up to 12 per control unit  
Note  
 Required for proper function of RABS  
**Model 1250.3US**

V	Wt [lb]	Quantity	Part No	DG
24 VDC	0.056	1	<b>17055</b>	4

New



**RABS - Thermostat**  
 - Use only with Radiant Auto-Balancing System  
 - Up to 8 per control unit  
**Model 1250.5US**

V	Version	Wt [lb]	Quantity	Part No	DG
3 VDC	black	0.356	1	<b>17060</b>	4
3 VDC	white	0.356	1	<b>17065</b>	4

New



**RABS - WLAN Module**  
 - Use only with Radiant Auto-Balancing System  
 - One per control unit  
Note  
 Enables wireless communication to RABS control unit  
**Model 1250.4US**

Wt [lb]	Quantity	Part No	DG
0.125	1	<b>17070</b>	4

New



**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
1.779	1	<b>18033</b>	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	0.250	1	<b>18050</b>	4

4.1



**Floor sensor  
Digital thermostat**  
- Suitable for digital thermostat  
Model 2874.5US  
- 10KΩ  
**Model 2874.6US**

L [ft]	Wt [lb]	Quantity	Part No	DG
10	0.139	1	<b>18051</b>	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	<b>15116</b>	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	<b>15117</b>	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	<b>15118</b>	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	<b>15070</b>	4
4	24 VAC	0.350	1	<b>15069</b>	4



**Powerhead**  
- Suitable for manifold Model 2804, 2879  
**Model 2877.8**

V	Wt [lb]	Quantity	Part No	DG
0-10VDC	0.350	1	<b>15068</b>	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
	1.854	1	<b>17029</b>	4



**Wi-Fi Snow Melt Control**

- For use with snow/ice sensor and snow/ice sensor housing, slab sensor and aerial snow sensor, or slab sensor only
- Mobile app for iOS and Android, automatic storm prediction via weather data, automatic software updates via the cloud, zoning (priority, tracking)

Components

Microcontroller, outdoor sensor, two universal sensors

**Model 2872.5US**

	Wt [lb]	Quantity	Part No	DG
	4.284	1	<b>17014</b>	4



**Snow/Ice sensor**

- Spare part for Wi-Fi Snow Melt Control Model 2872.5US
- Suitable for Snow/Ice sensor housing Model 2865.3US

**Model 2875.8US**

L [ft]	Wt [lb]	Quantity	Part No	DG
65	4.088	1	<b>17016</b>	4



**Snow/Ice sensor housing**

- Spare part for Wi-Fi Snow Melt Control Model 2872.5US

**Model 2865.3US**

	Wt [lb]	Quantity	Part No	DG
	1.739	1	<b>17017</b>	4

**Panels, Plates, Tracks, and Mats**



**Viega Climate Panel**

- For<sup>5</sup>/<sub>16</sub>" Viega Barrier PEX
- Suitable for Viega Barrier PEX 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	<b>14021</b>	4

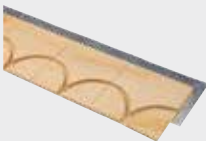


**Viega Climate Panel Assembled**

- For<sup>5</sup>/<sub>16</sub>" Viega Barrier PEX
- Suitable for Viega Barrier PEX 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	15.995	1	<b>14025</b>	4



**U-turn panel**

- For<sup>5</sup>/<sub>16</sub>" Viega Barrier PEX
- Suitable for Viega Barrier PEX 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	<b>14035</b>	4



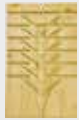
**Multi-run panel**

- For<sup>5</sup>/<sub>16</sub>" Viega Barrier PEX, multiple supply and return lines
- Suitable for Viega Barrier PEX 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	4.353	5	<b>14050</b>	4

4.1



**Multi-run access panel**

- For 5/16" Viega Barrier PEX, multiple supply and return lines
- Suitable for Viega Barrier PEX 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	<b>14055</b>	4



**Multi-run ninety panel**

- For 5/16" Viega Barrier PEX, multiple supply and return lines
- Suitable for Viega Barrier PEX 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	<b>14060</b>	4



**90° elbow coupling**

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

Components

- Coupling, plastic clip

**Model 2810.8US**

d	Wt [lb]	Quantity	Part No	DG
5/16	0.024	2	<b>15104</b>	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	0.804	24	<b>14005</b>	4



**Viega Rapid Grid**

- For 3/8", 1/2", 5/8" Viega Barrier PEX, 1/2" Viega FostaPEX
- Suitable for Viega Barrier PEX tubing Part No 11415, 11418, 11425, 11427, 11428, 11430, 11435, 11436, 11440, 11445, 11450
- 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	<b>15216</b>	4



**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	3 1/2	3/8	1.150	20	<b>15209</b>	4
8	3 1/2	3/8	1.450	20	<b>15207</b>	4
4	3 1/2	1/2	1.150	20	<b>15210</b>	4
8	3 1/2	1/2	2.399	20	<b>15208</b>	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	3/8	0.163	100	<b>15205</b>	4
19	5	1/2	0.170	100	<b>15206</b>	4



**Clip**  
 - Plastic  
**Model 2871.6US**

d	Wt [lb]	Quantity	Part No	DG
5/16	0.002	100	<b>15112</b>	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
1/2	6	6	6	6	0.688	1	<b>18150</b>	4
1/2	9	4	4	6	0.458	1	<b>18151</b>	4
1/2	6	6	3	6	0.688	1	<b>18154</b>	4
1/2	6	6	2	6	0.688	1	<b>18155</b>	4
1/2	9	4	2	6	0.458	1	<b>18156</b>	4
5/8	9	4	2	6	0.635	1	<b>18157</b>	4
5/8	9	4	4	6	0.635	1	<b>18160</b>	4
5/8	6	6	2	6	0.952	1	<b>18185</b>	4
5/8	6	6	4	6	0.952	1	<b>18186</b>	4
5/8	6	6	6	6	0.952	1	<b>18187</b>	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
1/2	9	3	3	5	0.344	1	<b>18158</b>	4
1/2	12	3	3	5	0.344	1	<b>18152</b>	4
5/8	12	3	3	5	0.476	1	<b>18159</b>	4



**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	0.004	50	<b>18165</b>	4
5/8	0.004	50	<b>18166</b>	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	18.154	1	<b>12152</b>	4
PureFlow Press	18.183	1	<b>12153</b>	4
copper (male)	18.688	1	<b>12151</b>	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	21.872	1	<b>12121</b>	4
high head	PureFlow Press	22.662	1	<b>12123</b>	4
high head	copper (male)	22.479	1	<b>12125</b>	4

**4.1**



**Hydronic mixing block**

- Circulator, control, mixing valve

Components

3-speed circulator, control, air vent, adapter fittings, bracket and two sensors

**Model 2887.3**

	Wt [lb]	Quantity	Part No	DG
	8.488	1	<b>56160</b>	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	0.963	1	<b>20080</b>	4
1	1.439	1	<b>20081</b>	4
1¼	2.233	1	<b>20082</b>	4
1½	3.672	1	<b>20083</b>	4
2	5.142	1	<b>20084</b>	4



**ViEGA ProPress tailpiece**

**Smart Connect technology**

**Zero Lead**

- For use with ASTM B88 and B75 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
½	1	0.220	1	<b>79800</b>	8
¾	1	0.248	1	<b>79805</b>	8
1	1	0.304	1	<b>79810</b>	8
1	1¼	0.386	1	<b>79815</b>	8



**Diverting valve**

**Three way**

- Female copper tube size

Components

Solder tailpieces

**Model 2873.1US**

C	Wt [lb]	Quantity	Part No	DG
¾	2.008	1	<b>20001</b>	4
1		1	<b>20002</b>	4
1¼	5.988	1	<b>20003</b>	4
1½	5.907	1	<b>20041</b>	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	¾	¾	1.479	1	<b>17230</b>	4
24	1	1	2.422	1	<b>17231</b>	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	¾	¾	1.527	1	<b>17232</b>	4
24	1	1	2.488	1	<b>17233</b>	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	¾	¾	1.499	1	<b>17234</b>	4
24	1	1	2.513	1	<b>17235</b>	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	<b>20201</b>	4
¾	¾	0.400	1	<b>20202</b>	4
1	1	0.562	1	<b>20203</b>	4
1¼	1¼	0.800	1	<b>20204</b>	4
1½	1½	1.100	1	<b>20205</b>	4



**Pressure differential valve**

- Brass
- Female pipe thread

**Model 2871.8US**

FPT	Wt [lb]	Quantity	Part No	DG
1	0.004	1	<b>20102</b>	4
1¼	2.548	1	<b>20103</b>	4

**Accessories**



**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	¾, 1, 1¼, 1½, 2	0.915	1	<b>20042</b>	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	<b>18027</b>	4



**RABS - Stand**

- For use with RABS - Thermostat  
Model 1250.5
- Plastic

**Model 1251.1US**

Wt [lb]	Quantity	Part No	DG
0.175	1	<b>17130</b>	4

**New**

4.1



New

**RABS - Range Extender**

- For use with RABS - Thermostat Model 1250.5

Note

Extends range of RABS - Thermostat if required

**Model 1250.6US**

V	Version	Wt [lb]	Quantity	Part No	DG
3 VDC	black	0.250	1	<b>17075</b>	4
3 VDC	white	0.250	1	<b>17080</b>	4



New

**RABS - Power Adapter**

- Use only with Radiant Auto-Balancing System

Note

Required for Model 1250.6US, optional for Model 1250.5US

UL 60950

**Model 1250.7US**

V	Wt [lb]	Quantity	Part No	DG
120 VAC	0.194	1	<b>17085</b>	4



**Circulator**

- Cast iron  
- 3-speed, direct drive, wet rotor, inline

**Model 2801.1US**

Circulator	Wt [lb]	Quantity	Part No	DG
low head	6.376	1	<b>12126</b>	4



**Circulator**

- Cast iron  
- 3-speed, direct drive, wet rotor, inline

**Model 2801.9US**

Circulator	Wt [lb]	Quantity	Part No	DG
high head	9.546	1	<b>12127</b>	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	<b>16207</b>	4
1	2.209	1	<b>16209</b>	4
1¼	1.915	1	<b>16211</b>	4
1½	1.915	1	<b>16212</b>	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	<b>12128</b>	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	8.161	1	<b>22006</b>	4
5	12	3.6	36	14.075	1	<b>22007</b>	4
5	12	6.7	70	23.122	1	<b>22008</b>	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	<b>15171</b>	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
0.020	1	<b>16432</b>	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	0.090	1	<b>15175</b>	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
0.090	1	<b>15176</b>	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	<b>15177</b>	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
✓	0.200	1	<b>15178</b>	4

4.1



**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
✓	0.125	1	15179	4



**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
	0.160	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
	0.095	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
	0.200	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	<b>15032</b>	4



**Air vent**  
 - For 1½" and 1" brass manifolds  
 - Brass  
Components  
 Air vent, air bleeder  
**Model 1028SV**

MPT	Wt [lb]	Quantity	Part No	DG
¾	0.476	1	<b>15033</b>	4



**Outdoor sensor**  
 - Spare part for basic heating control  
 Model 2871.0US, Wi-Fi Snow Melt Control  
 Model 2872.5US  
 - Plastic  
Components  
 10kΩ thermistor  
**Model 2871.4US**

Temp [°F]	W [in]	Wt [lb]	Quantity	Part No	DG
-60-140	1½	0.088	1	<b>16017</b>	4



**Universal sensor**  
 - Suitable for sensor well Model 2801.4US,  
 basic heating control Model 2871.0US, Wi-Fi  
 Snow Melt Control Model 2872.5US  
 - 10KΩ sensor  
**Model 2870.9US**

	Wt [lb]	Quantity	Part No	DG
	0.020	1	<b>16018</b>	4



**Setpoint or basic snow sensor cable**  
 - Suitable for basic digital setpoint control II  
 Model 2875.4US  
**Model 2875.5US**

L [ft]	Wt [lb]	Quantity	Part No	DG
6	0.002	1	<b>17031</b>	4



**RABS - Supply Sensor**  
 - Spare part for RABS Control Unit  
 Model 1250US  
Note  
 NTC 10kΩ  
**Model 1250.9US**

	Wt [lb]	Quantity	Part No	DG
		1	<b>17110</b>	4

New



**RABS - Ribbon Cable (Large)**  
 - Spare part for RABS Control Unit  
 Model 1250US  
**Model 1251.0US**

	Wt [lb]	Quantity	Part No	DG
		1	<b>17115</b>	4

New

4.1



**Compression ring**

- Brass
- Model 1022.8SV**

d	Wt [lb]	Quantity	Part No	DG
5/16	0.008	10	<b>19025</b>	4
3/8	0.010	10	<b>19026</b>	4
1/2	0.012	10	<b>19027</b>	4
5/8	0.014	10	<b>19028</b>	4
3/4	0.016	10	<b>19029</b>	4



**SVC adapter**

- For adapting 16mm PEX to SVC connections
- Brass

**Model 2876.4US**

Wt [lb]	Quantity	Part No	DG
0.196	10	<b>19412</b>	4



**Return valve**

- For Stadler brass manifolds
- Brass
- Male pipe thread

**Model 2876.5US**

Wt [lb]	Quantity	Part No	DG
0.200	1	<b>13265</b>	4



**Supply valve**

- For Stadler brass manifolds
- Use with Viega drain valve and temperature port Model 2934.8ZL
- Brass

**Model 2876.6US**

Wt [lb]	Quantity	Part No	DG
0.230	1	<b>13266</b>	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	<b>13267</b>	4



**Supply valve**

- For 1" brass manifolds
- Brass
- Male pipe thread

**Model 2887.0**

Wt [lb]	Quantity	Part No	DG
0.160	1	<b>15003</b>	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	<b>15004</b>	4



**Return valve**

- For 1" brass manifolds
- Brass
- Male pipe thread

**Model 2887.2**

Wt [lb]	Quantity	Part No	DG
0.168	1	<b>15005</b>	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
0.040	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
0.020	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
0.064	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

**4.1**



**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
	0.002	1	<b>56169</b>	4



**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	<b>56170</b>	4



**Hydronic mixing block T&P sensor**

- For use with T&P sensor O-ring
- 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
	0.053	1	<b>56166</b>	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
	0.001	1	<b>56167</b>	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
	0.029	1	<b>56173</b>	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
	3.434	1	<b>56174</b>	4