

# ProGeo



## ProGeo

Viega ProGeo socket fusion fittings are a reliable, high-quality option for ground source heat exchange applications. With 20 years experience in socket fusion fitting production, Viega ProGeo fittings provide installers with the superior products they need to connect open and closed-loop geothermal and hydronic distribution piping systems.

### FEATURES AND BENEFITS

- Variety of brass-to-PE adapters and one piece molded reducers in sizes  $\frac{3}{4}$ " to 2"
- Enhanced performance due to high quality PE4710 resin
- Superior resistance to Slow Crack Growth (SCG)
- Reduced lead time
- Compliance with ASTM D-2683
- Trusted superiority through ISO certification

**Index**

Elbows	168
Tees	168
Adapters	169
Caps	170
Couplings	170
Manifolds	170

**Elbows**



**ViEGA ProGeo elbow 90°**  
 - High density polyethylene (HDPE)  
 - Socket fusion  
**Model V9016**

IPS1	IPS2	Wt [lb]	Quantity	Part No	DG
¾	¾	0.077	75	<b>39060</b>	11
1	¾	0.118	50	<b>39061</b>	11
1	1	0.127	50	<b>39062</b>	11
1¼	¾	0.182	100	<b>39063</b>	11
1¼	1	0.177	100	<b>39064</b>	11
1¼	1¼	0.200	75	<b>39065</b>	11
1½	1½	0.507	50	<b>39067</b>	11
2	1¼	0.440	25	<b>39068</b>	11
2	2	0.525	25	<b>39069</b>	11



**ViEGA ProGeo elbow 90°**  
 - High density polyethylene (HDPE)  
 - Socket fusion, male pipe thread  
**Model V9016.5**

IPS	MPT	Wt [lb]	Quantity	Part No	DG
1	¾	0.330	15	<b>39100</b>	11
1	1	0.550	20	<b>39101</b>	11
1¼	1	0.627	25	<b>39102</b>	11
1¼	1¼	1.010	10	<b>39103</b>	11



**ViEGA ProGeo elbow 90°**  
 - High density polyethylene (HDPE)  
 - Socket fusion, male nominal thread  
**Model V9016.4**

IPS	MNT	Wt [lb]	Quantity	Part No	DG
¾	1	0.260	20	<b>39090</b>	11
1	1	0.270	15	<b>39091</b>	11



**ViEGA ProGeo elbow 90°**  
 - High density polyethylene (HDPE)  
 - Socket fusion, stub socket fusion  
**Model V9016.2**

IPS	Stub	Wt [lb]	Quantity	Part No	DG
¾	¾	0.050	100	<b>39070</b>	11
1	1	0.083	100	<b>39071</b>	11
1¼	1¼	0.173	100	<b>39072</b>	11



**ViEGA ProGeo elbow 90°**  
 - High density polyethylene (HDPE)  
 - Socket fusion, female socket fusion  
**Model V9016.3**

IPS	PFC	Wt [lb]	Quantity	Part No	DG
1¼	1¼	0.175	100	<b>39080</b>	11

PFC = ProGeo Female Connection

**Tees**



**ViEGA ProGeo tee**  
 - High density polyethylene (HDPE)  
 - Socket fusion  
**Model V9018**

IPS1	IPS2	IPS3	Wt [lb]	Quantity	Part No	DG
¾	¾	¾	0.087	75	<b>39110</b>	11
1	1	¾	0.148	50	<b>39111</b>	11
1	1	1	0.163	50	<b>39112</b>	11
1¼	¾	¾	0.199	75	<b>39113</b>	11
1¼	1	1	0.220	75	<b>39114</b>	11
1¼	1¼	¾	0.251	75	<b>39115</b>	11
1¼	1¼	1	0.247	50	<b>39116</b>	11
1¼	1¼	1¼	0.211	75	<b>39117</b>	11
1½	1½	1	0.262	50	<b>39118</b>	11
1½	1½	1½	0.289	50	<b>39119</b>	11
2	1¼	1¼	0.566	25	<b>39120</b>	11
2	2	¾	0.707	25	<b>39121</b>	11
2	2	1	0.700	25	<b>39122</b>	11
2	2	1¼	0.571	25	<b>39123</b>	11
2	2	2	0.484	25	<b>39124</b>	11



**Viega ProGeo header tee**  
 - High density polyethylene (HDPE)  
 - Socket fusion, stub socket fusion  
**Model V9018.2**

IPS1	Stub	IPS2	Wt [lb]	Quantity	Part No	DG
1	1	¾	0.259	25	<b>39140</b>	11
1	1	1	0.029	25	<b>39141</b>	11
1¼	1	¾	0.315	25	<b>39142</b>	11
1¼	1	1	0.029	25	<b>39143</b>	11
1¼	1¼	¾	0.307	25	<b>39144</b>	11
1¼	1¼	1	0.295	50	<b>39145</b>	11



**Viega ProGeo adapter tee**  
 - High density polyethylene (HDPE)  
 - Socket fusion, male nominal thread  
**Model V9018.8**

IPS1	IPS2	MNT	Wt [lb]	Quantity	Part No	DG
1¼	1¼	1	0.450	10	<b>39162</b>	11



**Viega ProGeo adapter tee**  
 - High density polyethylene (HDPE)  
 - Female pipe thread, male nominal thread, socket fusion  
**Model V9018.5**

FPT	MNT	IPS	Wt [lb]	Quantity	Part No	DG
½	1	1	0.470	10	<b>39150</b>	11



**Viega ProGeo adapter tee**  
 - High density polyethylene (HDPE)  
 - Socket fusion, male nominal thread, female pipe thread  
**Model V9018.6**

IPS	MNT	FPT	Wt [lb]	Quantity	Part No	DG
¾	1	½	0.390	10	<b>39155</b>	11
1	1	½	0.430	10	<b>39156</b>	11



**Viega ProGeo adapter tee**  
 - High density polyethylene (HDPE)  
 - Socket fusion, female pipe thread  
**Model V9018.7**

IPS1	IPS2	FPT	Wt [lb]	Quantity	Part No	DG
¾	¾	½	0.390	75	<b>39160</b>	11
1	1	½	0.261	50	<b>39161</b>	11

**Adapters**



**Viega ProGeo adapter**  
 - High density polyethylene (HDPE)  
 - Socket fusion, male pipe thread  
**Model V9011**

IPS	MPT	Wt [lb]	Quantity	Part No	DG
¾	¾	0.280	25	<b>39001</b>	11
¾	1	0.520	25	<b>39002</b>	11
1	¾	0.310	25	<b>39003</b>	11
1	1	0.520	25	<b>39004</b>	11
1¼	¾	0.431	10	<b>39005</b>	11
1¼	1	0.524	25	<b>39006</b>	11
1¼	1¼	0.780	25	<b>39007</b>	11
1¼	1½	1.010	10	<b>39008</b>	11
1½	1½	1.060	10	<b>39009</b>	11
2	1¼	0.780	5	<b>39010</b>	11
2	1½	1.060	15	<b>39011</b>	11
2	2	1.720	1	<b>39012</b>	11



**Viega ProGeo adapter**  
 - High density polyethylene (HDPE)  
 - Socket fusion, male nominal thread  
**Model V9015.3**

IPS	MNT	Wt [lb]	Quantity	Part No	DG
¾	1	0.260	20	<b>39040</b>	11
1	1	0.260	20	<b>39041</b>	11
1¼	1¼	0.460	25	<b>39044</b>	11



**Viega ProGeo adapter**  
 - High density polyethylene (HDPE)  
 - Socket fusion, female pipe thread  
**Model V9015.4**

IPS	FPT	Wt [lb]	Quantity	Part No	DG
¾	¼	0.208	50	<b>39050</b>	11
¾	½	0.165	50	<b>39051</b>	11
1	¼	0.300	50	<b>39052</b>	11
1	½	0.261	20	<b>39053</b>	11
1	¾	0.320	50	<b>39054</b>	11



**Viega ProGeo swivel adapter**  
 - High density polyethylene (HDPE)  
 - Socket fusion, swivel nut  
**Model V9049**

IPS	Swivel Nut	Wt [lb]	Quantity	Part No	DG
¾	1	0.320	25	<b>39180</b>	11
1	1	0.320	25	<b>39181</b>	11
1¼	1	0.463	25	<b>39182</b>	11



**Viega ProGeo swivel adapter**  
 - Brass  
 - Male pipe thread, swivel nut  
**Model V9013.1**

MPT	Swivel Nut	Wt [lb]	Quantity	Part No	DG
1	¾	0.306	10	<b>50648</b>	11
1	1	0.385	10	<b>50647</b>	11
1	1¼	0.460	50	<b>48420</b>	11

### Caps



**Viega ProGeo cap**  
 - High density polyethylene (HDPE)  
 - Socket fusion  
**Model V9056**

IPS	Wt [lb]	Quantity	Part No	DG
¾	0.050	100	<b>39190</b>	11
1	0.037	100	<b>39191</b>	11
1¼	0.050	100	<b>39192</b>	11
1½	0.150	50	<b>39193</b>	11
2	0.209	25	<b>39194</b>	11

### Couplings



**Viega ProGeo coupling**  
 - High density polyethylene (HDPE)  
 - Socket fusion  
**Model V9015**

IPS1	IPS2	Wt [lb]	Quantity	Part No	DG
¾	¾	0.038	100	<b>39020</b>	11
1	¾	0.055	100	<b>39021</b>	11
1	1	0.086	75	<b>39022</b>	11
1¼	¾	0.131	50	<b>39023</b>	11
1¼	1	0.080	50	<b>39024</b>	11
1¼	1¼	0.100	50	<b>39025</b>	11
1½	¾	0.155	25	<b>39027</b>	11
1½	1	0.141	25	<b>39028</b>	11
1½	1¼	0.156	25	<b>39029</b>	11
1½	1½	0.143	25	<b>39030</b>	11
2	1	0.143	25	<b>39031</b>	11
2	1¼	0.164	25	<b>39032</b>	11
2	1½	0.158	25	<b>39033</b>	11
2	2	0.136	25	<b>39034</b>	11

### Manifolds



**Viega ProGeo header assembly**  
 - High density polyethylene (HDPE)  
 - Socket fusion, IPS branch socket fusion  
**Model V9040**

IPS	IPS Branch	Wt [lb]	Quantity	Part No	DG
1¼	3¼	0.700	10	<b>39170</b>	11
1¼	4¾	0.960	10	<b>39171</b>	11
1¼	5¾	1.260	25	<b>39172</b>	11
1¼	6¾	1.580	25	<b>39173</b>	11