

## GeoFusion

Viega GeoFusion 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 GeoFusion 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 ¾" 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

### CODES AND STANDARDS

- NSF 358-1: Polyethylene pipe and fittings for water-based ground-source "geothermal" heat pump systems
- ASTM D-2683: Standard specification for socket-type polyethylene fittings for outside diameter-controlled polyethylene pipe and tubing

## Elbows



**Viega GeoFusion 90° elbow**  
 - High density polyethylene (HDPE)  
 - Socket fusion  
**Model V9016**

IPS1	IPS2	Wt [lb]	Quantity	Part No	DG
¾	¾	0.075	75	<b>39060</b>	11
1	¾	0.071	50	<b>39061</b>	11
1	1	0.131	50	<b>39062</b>	11
1¼	¾	0.188	100	<b>39063</b>	11
1¼	1	0.185	100	<b>39064</b>	11
1¼	1¼	0.200	75	<b>39065</b>	11
1½	1½	0.240	50	<b>39067</b>	11
2	1¼	0.471	25	<b>39068</b>	11
2	2	0.525	25	<b>39069</b>	11



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

IPS	Stub	Wt [lb]	Quantity	Part No	DG
¾	¾	0.054	100	<b>39070</b>	11
1	1	0.085	100	<b>39071</b>	11
1¼	1¼	0.176	100	<b>39072</b>	11



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

IPS	PFC	Wt [lb]	Quantity	Part No	DG
1¼	1¼	0.182	100	<b>39080</b>	11

PFC = GeoFusion Female Connection

## Tees



**Viega GeoFusion tee**  
 - High density polyethylene (HDPE)  
 - Socket fusion  
**Model V9018**

IPS1	IPS2	IPS3	Wt [lb]	Quantity	Part No	DG
¾	¾	¾	0.089	75	<b>39110</b>	11
1	1	¾	0.162	50	<b>39111</b>	11
1	1	1	0.170	50	<b>39112</b>	11
1¼	¾	¾	0.198	75	<b>39113</b>	11
1¼	1	1	0.265	75	<b>39114</b>	11
1¼	1¼	¾	0.238	75	<b>39115</b>	11
1¼	1¼	1	0.243	50	<b>39116</b>	11
1¼	1¼	1¼	0.224	75	<b>39117</b>	11
1½	1½	1	0.271	50	<b>39118</b>	11
1½	1½	1½	0.300	50	<b>39119</b>	11
2	1¼	1¼	0.564	25	<b>39120</b>	11
2	2	¾	0.715	25	<b>39121</b>	11
2	2	1	0.712	25	<b>39122</b>	11
2	2	1¼	0.576	25	<b>39123</b>	11
2	2	2	0.611	25	<b>39124</b>	11