

Viega PEX systems should be designed following standard plumbing engineering practice. Follow local codes to determine minimum tubing size and required fixture pressures.

Pressure drop through fittings can be estimated from the charts below. Values are expressed in equivalent length of PEX, so add the values for the relevant fittings to the length of tubing in the run, and then determine the total pressure drop from the charts on the following page.

To determine the pressure drop through runs of ViegaPEX Ultra and FostaPEX tubing, refer to the pressure drop chart on the following page. For a known flow rate, tubing size and tubing length, the pressure drop through the run can be easily determined.

Viega PEX Press friction loss — equivalent feet of SDR9 PEX tubing

PEX Press Bronze Fittings				
Size	Coupling	Elbow	Tee Run	Tee Branch
3/8"	2.9	9.2	2.9	9.4
1/2"	2.0	9.4	2.2	10.4
3/4"	1.0	8.0	1.0	9.0
1"	1.0	10.0	2.0	10.0
1 1/4"	2.0	11.0	2.0	11.0
1 1/2"	2.0	13.0	2.0	12.0
2"	1.0	19.0	2.0	18.0

PEX Press Polymer Fittings				
Size	Coupling	Elbow	Tee Run	Tee Branch
3/8"	4.5	14.3	6.5	14.7
1/2"	2.6	12.6	3.9	14.0
3/4"	2.5	18.9	3.6	19.1
1"	3.1	17.7	3.8	18.4
1 1/4"	4.0	18.6	6.4	18.7
1 1/2"	5.2	29.4	7.9	28.3
2"	8.9	36.4	10.2	37.5

Viega PEX Crimp friction loss — equivalent feet of SDR9 PEX tubing

PEX Crimp Eco Brass Fittings				
Size	Coupling	Elbow	Tee Run	Tee Branch
3/8"	2.9	9.2	2.9	9.4
1/2"	2.0	9.4	2.2	10.4
3/4"	0.6	9.4	1.9	8.9
1"	1.3	10.0	2.3	11.0

PEX Crimp PolyAlloy Fittings				
Size	Coupling	Elbow	Tee Run	Tee Branch
3/8"	10.9	22.3	N/A	N/A
1/2"	7.1	16.5	7.2	17.9
3/4"	4.8	17.4	6.6	17.7
1"	4.5	18.0	6.0	17.0