

Cut the tube so that the end is square.



Wipe with a clean dry cloth. Inspect for scratches or gouges. If any, cut again so that the last 2 to 6 inch section, depending on size, has no surface defects.



Use the Perfection chamfering tool for a proper O.D. chamfer. This chamfer permits the tube to be completely stabbed



without affecting the internal seals.

Use a soft felt-tip pen, crayon or grease pencil to mark the stab depth as indicated on your Permasert package instructions. The stab depth is the approximate distance from the edge of the fusion bead to the end of the fitting body.



Stab the tube into the Permasert fitting so that the stab depth mark is visible within 1/8" of the end of the fitting on 1/2" and 1" CTS sizes, within 1/4" on all other sizes through 1-1/4" CTS, and approximately 3/8" on the 1-1/4" and 2" IPS sizes. The tube must bottom out in the fitting. Pressure test the joint in accordance with your standard procedures. The reference mark can move outward up to an additional 3/8" during pressure testing.



Polyethylene Pipe and Tube (PE 2406/Yellow) Line Sizing Chart for LP Gas vapor

Line sizing for LP gas vapor between 1st and 2nd stage regulators allowing a pressure drop of 1 psi at 10 psi setting.

Tube Length (ft)'	1/2" CTS SDR 7 (.090")	3/4" IPS SDR11(.095")	1" CTS SDR 11.5(.099")	1" IPS SDR 11(.119")	1-1/4" IPS SDR 10 (.166")	2" IPS SDR 11(.216")
Maximum LP Gas vapor Capacity (thousands of Btu/hr)						
10	1406	8940	10803	16486	28912	82488
20	944	6001	7252	11067	19409	55373
30	747	4753	5744	8766	15372	43858
40	634	4029	4868	7429	13029	37171
50	557	3544	4282	6535	11460	32695
60	502	3191	3856	5884	10319	29441
70	459	2920	3529	5385	9444	26944
80	425	2704	3268	4987	8746	24953
90	397	2527	3054	4661	8173	23319
100	374	2379	2874	4387	7693	21948
125	329	2092	2528	3858	6766	19305
150	296	1884	2277	3474	6093	17384
175	271	1724	2084	3180	5576	15909
200	251	1597	1930	2945	5164	14733
225	235	1492	1803	2752	4826	13768
250	221	1405	1697	2590	4542	12959
275	209	1330	1607	2452	4300	12268
300	199	1265	1528	2332	4090	11669
350	182	1157	1399	2134	3743	10680
400	169	1072	1295	1976	3467	9890

*Total length of piping from outlet of first stage regulator to inlet of farthest second stage regulator.

Note: Polyethylene pipe/tube shall be limited to vapor service not exceeding 30 psig, and must be installed outdoors and underground.

The above numbers were calculated by using the Mueller formula for high pressure installations of smooth pipe such as plastic, copper, brass, etc. carrying gas at pressures greater than 1 psig.