

# 2PSIG REGULATORS

## Quick Reference Guide For 2 Stage or 3 Stage Systems

See Twin Regulators for Low Pressure Systems

2 Stage 10 PSIG System		3 Stage 2 PSIG System	
<b>1st Stage</b> <b>LV3403TR</b> 1,500,000 btu/hr. 1/4" F.NPT X 1/2" F.NPT		<b>1st Stage</b> <b>LV3403TR</b> 1,500,000 btu/hr. 1/4" F.NPT X 1/2" F.NPT	<b>1st Stage</b> <b>LV4403TR9</b> 2,500,000 btu/hr. F.POL X 1/2" F.NPT
<b>1st Stage</b> <b>LV4403TR9</b> 2,500,000 btu/hr. F.POL X 1/2" F.NPT		<b>2nd Stage</b> <b>LV4403Y46R</b> 1,000,000 btu/hr. 1/2" F.NPT X 3/4" F.NPT	<b>2nd Stage</b> <b>LV5503Y6</b> 2,200,000 btu/hr. 3/4" F.NPT X 3/4" F.NPT
<b>2nd Stage</b> <b>LV3403B46R</b> 450,000 btu/hr. 1/2" F.NPT X 3/4" F.NPT		<b>3rd Stage</b> <b>325-3L</b> 250,000 btu/hr. 1/2" F.NPT X 1/2" F.NPT	<b>3rd Stage</b> <b>325-5L</b> 600,000 btu/hr. 1/2" F.NPT X 1/2" F.NPT
<b>2nd Stage</b> <b>LV4403B66</b> 950,000 btu/hr. 3/4" F.NPT X 3/4" F.NPT		<b>3rd Stage</b> <b>325-7AL</b> 1,250,000 btu/hr. 1-1/4" F.NPT X 1-1/4" F.NPT	

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### 2 PSIG Line Sizing Chart – Pipe & Copper

2 PSIG inlet with a .2 PSIG Pressure Drop

Maximum capacity of pipe or tubing in 1000's of BTU/hr of LP-Gas

SIZE OF PIPE OR COPPER TUBING, INCHES	LENGTH OF PIPE OR TUBING, FEET																				
	10	20	30	40	50	60	70	80	90	100	125	150	175	200	225	250	275	300	350	400	
COPPER TUBING (O.D.)	3/8"	176	121	97	83	74	67	61	57	54	51	45	41	37	35	33	31	29	28	26	24
	1/2"	363	249	200	171	152	138	127	118	111	104	93	84	77	72	67	64	60	58	53	49
	5/8"	738	507	407	349	309	280	258	240	225	212	188	171	157	146	137	129	123	117	108	100
	3/4"	1290	887	712	609	540	489	450	419	393	271	329	298	274	255	239	226	215	205	188	175
PIPE SIZE	1/2"	1140	784	629	539	477	432	398	370	347	328	291	263	242	225	212	200	190	181	167	155
	3/4"	2384	1638	1316	1126	998	904	832	774	726	686	608	551	507	471	442	418	397	379	348	324
	1"	4491	3086	2479	2120	1880	1703	1567	1458	1368	1292	1145	1038	955	888	833	787	748	713	656	610
	1-1/4"	9215	6333	5087	4352	3858	3495	3215	2991	2806	2652	2350	2129	1963	1824	1710	1616	1539	1464	1345	1252
	1-1/2"	13809	9491	7623	6521	5781	5235	4816	4480	4203	3973	3523	3191	2939	2731	2560	2420	2306	2194	2017	1878
	2"	26597	18280	14683	12560	11135	10084	9277	8630	8096	7652	6848	6252	5659	5259	4931	4661	4438	4223	3883	3615
	2-1/2"	42391	29135	23402	20019	17747	16075	14788	13756	12904	12197	10814	9795	9021	8384	7860	7429	7074	6731	6187	5761
3"	74938	51504	41369	35389	31373	29784	27400	25488	23872	22563	19177	17316	15946	14820	13897	13135	12508	11901	10940	10186	

Data Calculated per NFPA #54 & 58