



# SAFETY-RELIEF VALVE

MODEL 4400 -A4400 - B4400

## CAPACITY CHART

AIR

PLASTIC SEATS ONLY

HYDROGEN

(MOL. WT. = 28.97)

(MOL. WT. = 2.02)

SCFM (60°F - 14.7 PSIA) 10% OVERPRESSURE

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SET PRESSURE (PSIG)	MINIMUM CONNECTIONS			
	1/2x1/2	1/2x3/4	1/2x3/4	3/4x1
	ORIFICE DIAMETER (IN.)			
	.250	.312	.437	.500
50	16	35	50	88
100	29	62	89	157
150	42	90	128	226
200	55	117	167	296
300	80	172	245	434
400	105	227	323	573
500	130	282	402	712
600	156	337	480	850
700	181	392	558	989
800	207	447	636	1127
900	232	502	714	1266
1000	258	557	793	1405
1250	321	695	998	1751
1500	384	832	1184	2098
2000	511	1107	1575	2791
2250	575	1245	1770	
2500	638	1382	1966	
2750	702	1520	2161	
3000	765	1657	2357	
3250	829	1795	2553	
3500	892	1932	2748	
3750	956	2070	2943	
4000	1019	2207	3139	
4500	1146	2482	3530	
5000	1273	2757	3921	
5500	1400	3032	4312	
6000	1527	3307	4703	
6500	1654	3582		
7000	1781	3857		
7500	1908	4132		
8000	2035	4407		
9000	2288	4957		
10000	2542	5507		
11000	2796	6607		
12000	3050			
13000	3304			

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS			
	1/2x1/2	1/2x3/4	1/2x3/4	3/4x1
	ORIFICE DIAMETER (IN.)			
	.250	.312	.437	.500
50	61	133	189	334
100	110	237	337	598
150	160	342	486	861
200	209	446	635	1125
300	304	655	932	1652
400	399	865	1230	2179
500	494	1074	1527	2706
600	593	1283	1824	3233
700	688	1492	2122	3760
800	787	1701	2419	4287
900	882	1910	2717	4814
1000	981	2120	3014	5341
1250	1221	2643	3758	6659
1500	1460	3165	4501	7977
2000	1943	4211	5988	10612
2250	2187	4740	6741	
2500	2426	5257	7476	
2750	2670	5780	8219	
3000	2909	6303	8963	
3250	3153	6826	9706	
3500	3392	7349	10450	
3750	3636	7872	11194	
4000	3875	8395	11937	
4500	4358	9440	13424	
5000	4841	10486	14911	
5500	5324	11532	16399	
6000	5807	12578	17886	
6500	6290	13624		
7000	6773	14670		
7500	7256	15715		
8000	7739	16761		
9000	8701	18853		
10000	9667	20945		
11000	10633	25128		
12000	11599			
13000	12565			

(#/HR. = SCFM x 4.596)

(#/HR. = SCFM x .3189)