



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

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

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS			
	1/2x1/2	1/2x3/4	1/2x3/4	3/4x1
	ORIFICE DIAMETER (IN.)			
	.312	.312	.437	.500
50	27	35	50	88
100	49	62	89	157
150	70	90	128	226
200	92	117	167	296
300	134	172	245	434
400	177	227	323	573
500	220	282	402	712
600	263	337	480	850
700	306	392	558	989
800	349	447	636	1127
900	392	502	714	1266
1000	435	557	793	1405
1250	542	695	998	1751
1500	649	832	1184	2098
2000	864	1107	1575	2791
2250	971	1245	1770	
2500	1078	1382	1966	
2750	1186	1520	2161	
3000	1293	1657	2357	
3250	1400	1795	2553	
3500	1507	1932	2748	
3750	1615	2070	2943	
4000	1722	2207	3139	
4500	1936	2482	3530	
5000	2151	2757	3921	
5500	2365	3032	4312	
6000	2579	3307	4703	
6500	2794	3582		
7000	3009	3857		
7500	3223	4132		
8000	3438	4407		
9000	3867	4957		
10000		5507		
12000		6607		

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS			
	1/2x1/2	1/2x3/4	1/2x3/4	3/4x1
	ORIFICE DIAMETER (IN.)			
	.312	.312	.437	.500
50	103	133	189	334
100	185	237	337	598
150	267	342	486	861
200	348	446	635	1125
300	511	655	932	1652
400	674	865	1230	2179
500	838	1074	1527	2706
600	1001	1283	1824	3233
700	1164	1492	2122	3760
800	1327	1701	2419	4287
900	1490	1910	2717	4814
1000	1653	2120	3014	5341
1250	2061	2643	3758	6659
1500	2469	3165	4501	7977
2000	3285	4211	5988	10612
2250	3693	4740	6741	
2500	4101	5257	7476	
2750	4508	5780	8219	
3000	4916	6303	8963	
3250	5324	6826	9706	
3500	5732	7349	10450	
3750	6140	7872	11194	
4000	6548	8395	11937	
4500	7364	9440	13424	
5000	8179	10486	14911	
5500	8995	11532	16399	
6000	9811	12578	17886	
6500	10627	13624		
7000	11442	14670		
7500	12258	15715		
8000	13074	16761		
9000	14705	18853		
10000		20945		
12000		25128		

(#/HR. = SCFM x 4.596)

(#/HR. = SCFM x .3189)