



SAFETY-RELIEF VALVE

MODEL 4400 -A4400 - B4400

CAPACITY CHART

PLASTIC SEATS ONLY

HELIUM

(MOL. WT. = 4.0)

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

NATURAL GAS

(MOL. WT. = 19)

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.)			
	.250	.312	.437	.500
50	43	94	134	237
100	78	168	239	423
150	113	242	344	610
200	145	316	449	796
300	215	464	660	1170
400	282	612	871	1543
500	350	760	1081	1916
600	420	909	1292	2289
700	487	1057	1503	2663
800	557	1205	1713	3036
900	625	1353	1924	3409
1000	692	1501	2134	3782
1250	864	1871	2661	4716
1500	1037	2242	3187	5649
2000	1376	2982	4241	7515
2250	1548	3352	4767	
2500	1718	3723	5294	
2750	1890	4093	5820	
3000	2060	4463	6347	
3250	2232	4834	6873	
3500	2402	5204	7400	
3750	2575	5574	7926	
4000	2744	5949	8453	
4500	3086	6685	9506	
5000	3428	7426	10559	
5500	3770	8166	11612	
6000	4112	8907	12665	
6500	4454	9647		
7000	4796	10388		
7500	5138	11128		
8000	5480	11869		
9000	6162	13350		
10000	6846	14831		
11000	7530	17794		
12000	8213			
13000	8898			

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS			
	1/2x1/2	1/2x3/4	1/2x3/4	3/4x1
	ORIFICE DIAMETER (IN.)			
	.250	.312	.437	.500
50	20	43	61	109
100	36	77	110	194
150	52	111	158	280
200	67	145	206	366
300	99	213	303	537
400	130	281	400	708
500	161	349	497	880
600	193	417	593	1051
700	224	485	690	1223
800	256	553	787	1394
900	287	621	883	1565
1000	318	689	980	1737
1250	397	859	1222	2165
1500	476	1029	1464	2594
2000	632	1369	1947	3451
2250	711	1539	2189	
2500	789	1709	2431	
2750	868	1879	2672	
3000	946	2049	2914	
3250	1025	2219	3156	
3500	1103	2389	3398	
3750	1183	2559	3639	
4000	1261	2729	3881	
4500	1418	3069	4365	
5000	1575	3410	4848	
5500	1732	3750	5332	
6000	1889	4090	5815	
6500	2046	4430		
7000	2203	4770		
7500	2360	5110		
8000	2518	5450		
9000	2830	6130		
10000	3144	6810		
11000	3459	8170		
12000	3773			
13000	4087			

(#/HR. = SCFM x 0.6330)

(#/HR. = SCFM x 2.9202)