



SAFETY-RELIEF VALVE

MODEL 4400 -A4400 - B4400

CAPACITY CHART

PLASTIC SEATS ONLY

HELIUM

(MOL. WT. = 4.0)

NATURAL GAS

(MOL. WT. = 19)

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	73	94	134	237
100	131	168	239	423
150	189	242	344	610
200	247	316	449	796
300	362	464	660	1170
400	478	612	871	1543
500	593	760	1081	1916
600	709	909	1292	2289
700	824	1057	1503	2663
800	940	1205	1713	3036
900	1055	1353	1924	3409
1000	1171	1501	2134	3782
1250	1460	1871	2661	4716
1500	1748	2242	3187	5649
2000	2326	2982	4241	7515
2250	2615	3352	4767	
2500	2904	3723	5294	
2750	3193	4093	5820	
3000	3481	4463	6347	
3250	3770	4834	6873	
3500	4059	5204	7400	
3750	4348	5574	7926	
4000	4637	5944	8453	
4500	5214	6685	9506	
5000	5792	7426	10559	
5500	6370	8166	11612	
6000	6947	8907	12665	
6500	7525	9647		
7000	8103	10388		
7500	8680	11128		
8000	9258	11869		
9000	10413	13350		
10000		14831		
12000		17794		

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS			
	1/2x1/2	1/2x3/4	1/2x3/4	3/4x1
	ORIFICE DIAMETER (IN.)			
	.312	.312	.437	.500
50	34	43	61	109
100	60	77	110	194
150	87	111	158	280
200	113	145	206	366
300	166	213	303	537
400	219	281	400	708
500	272	349	497	880
600	325	417	593	1051
700	378	485	690	1223
800	432	553	787	1394
900	485	621	883	1565
1000	538	689	980	1737
1250	670	859	1222	2165
1500	803	1029	1464	2594
2000	1068	1369	1947	3451
2250	1201	1539	2189	
2500	1333	1709	2431	
2750	1466	1879	2672	
3000	1599	2049	2914	
3250	1731	2219	3156	
3500	1864	2389	3398	
3750	1996	2559	3639	
4000	2129	2729	3881	
4500	2394	3069	4365	
5000	2659	3410	4848	
5500	2925	3750	5332	
6000	3190	4090	5815	
6500	3455	4430		
7000	3720	4770		
7500	3986	5110		
8000	4251	5450		
9000	4781	6130		
10000		6810		
12000		8170		

(#/HR. = SCFM x 0.6330)

(#/HR. = SCFM x 2.9202)