



# SAFETY-RELIEF VALVE

## MODEL 4000\*- 4200\* CAPACITY CHART

PLASTIC SEATS ONLY

\*ASME  
UV CODED  
NATIONAL BOARDED

\* ASME UV CODED PER SEC. VIII DIV. I

HELIUM  
(MOL. WT. = 4.0)  
SCFM (60°F - 14.7 PSIA) 10% OVERPRESSURE

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS		
	1/2 x 3/4	3/4 x 1	1 x 1-1/4
	ORIFICE DIAMETER (IN.)		
	.312*	.437*	.500
50	64	233	237
75	89	325	330
100	114	416	423
150	165	600	610
175	190	692	703
200	215	784	796
250	265	967	983
300	316	1151	1170
350	366	1335	1356
400	416	1518	1543
450	467	1702	1730
500	517	1886	1916
550	567	2069	2103
600	618	2253	2289
650	668	2437	2476
700	719	2620	2663
750	769	2804	2849
800	819	2988	3036
850	870	3171	3223
900	920	3355	3409
950	970	3539	3596
1000	1021	3722	3782
1200	1222	4457	4529
1400	1425	5192	5275
1600	1625	5926	6022
1800	1826	6661	6768
2000	2028	7396	7515
2200	2229	8130	
2400	2431	8865	
2600	2632	9600	
2800	2834	10334	
3000	3035	11069	
3500	3539	12906	
4000	4042		
4200	4244		
4400	4445		
4600	4647		
4800	4848		
5000	5049		
5200	5251		
5400	5452		
5600	5654		
5800	5855		
6000	6057		

(#/HR. = SCFM x 0.6330)

NATURAL GAS  
(MOL. WT. = 19.0)  
SCFM (60°F - 14.7 PSIA) 10% OVERPRESSURE

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS		
	1/2 x 3/4	3/4 x 1	1 x 1-1/4
	ORIFICE DIAMETER (IN.)		
	.312*	.437*	.500
50	29	107	109
75	41	149	151
100	52	191	194
150	76	276	280
175	87	318	323
200	99	360	366
250	122	444	451
300	145	529	537
350	168	613	623
400	191	697	708
450	214	782	794
500	237	866	880
550	261	950	966
600	284	1035	1051
650	307	1119	1137
700	330	1203	1223
750	353	1288	1308
800	376	1372	1394
850	399	1456	1480
900	422	1541	1565
950	446	1625	1651
1000	469	1709	1737
1200	561	2046	2079
1400	654	2384	2422
1600	746	2721	2765
1800	839	3058	3098
2000	931	3396	3451
2200	1024	3733	
2400	1116	4070	
2600	1209	4408	
2800	1301	4745	
3000	1394	5082	
3500	1625	5926	
4000	1856		
4200	1949		
4400	2041		
4600	2134		
4800	2226		
5000	2318		
5200	2411		
5400	2503		
5600	2596		
5800	2688		
6000	2781		

(#/HR. = SCFM x 2.9202)