



# SAFETY-RELIEF VALVE

MODEL 4000\* - 4200\*  
CAPACITY CHART  
PLASTIC SEATS ONLY

\* ASME

UV CODED

NATIONAL BOARDED

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

AIR

(MOL. WT. = 28.97)

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	24	86	88
75	33	121	123
100	42	155	157
150	61	223	226
175	70	257	261
200	80	291	296
250	98	359	365
300	117	427	434
350	136	496	504
400	155	564	573
450	173	632	642
500	192	700	712
550	211	768	781
600	229	837	850
650	248	906	919
700	267	973	989
750	285	1041	1058
800	304	1109	1127
850	323	1178	1197
900	342	1246	1266
950	360	1314	1335
1000	379	1382	1405
1200	454	1655	1682
1400	529	1928	1959
1600	603	2201	2236
1800	678	2473	2513
2000	753	2746	2791
2200	828	3019	
2400	903	3292	
2600	977	3565	
2800	1052	3837	
3000	1127	4110	
3500	1314	4792	
4000	1501		
4200	1576		
4400	1651		
4600	1725		
4800	1800		
5000	1875		
5200	1950		
5400	2025		
5600	2099		
5800	2174		
6000	2249		
6100	2286		
6200	2323		
6300	2361		
6400	2398		
6500	2436		

(#/HR. = SCFM x 4.596)

HYDROGEN

(MOL. WT. = 2.02)

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	90	329	334
75	126	458	466
100	161	588	598
150	232	847	861
175	268	977	993
200	304	1107	1125
250	375	1366	1388
300	446	1626	1653
350	517	1885	1915
400	588	2144	2179
450	659	2404	2442
500	730	2663	2706
550	801	2992	2970
600	872	3182	3233
650	944	3441	3497
700	1015	3700	3760
750	1086	3960	4024
800	1157	4219	4287
850	1228	4479	4551
900	1299	4738	4814
950	1370	4997	5078
1000	1441	5257	5341
1200	1726	6294	6396
1400	2010	7332	7450
1600	2295	8369	8504
1800	2579	9406	9558
2000	2864	10444	10612
2200	3148	11481	
2400	3433	12519	
2600	3717	13556	
2800	4002	14594	
3000	4286	15631	
3500	4997	18225	
4000	5708		
4200	5993		
4400	6277		
4600	6562		
4800	6846		
5000	7131		
5200	7415		
5400	7700		
5600	7984		
5800	8269		
6000	8553		

(#/HR. = SCFM x .3189)