



SAFETY-RELIEF VALVE

MODEL 4700 - 4800 - 4900

CAPACITY CHART

PLASTIC SEATS ONLY

AIR

(MOL. WT. = 28.97)

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

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS	
	3/4 x 1	1 x 1-1/4
	ORIFICE DIAMETER (IN.)	
	.375	.500
50	113	198
75	158	276
100	202	354
150	291	510
200	370	666
250	469	822
300	558	978
350	648	1134
400	737	1290
450	826	1446
500	915	1602
550	1004	1758
600	1093	1913
650	1182	2069
700	1271	2225
750	1360	2381
800	1449	2537
850	1539	2693
900	1628	2849
950	1717	3005
1000	1806	3161
1200	2162	3785
1400	2519	4409
1600	2875	5033
1800	3231	5657
2000	3588	6281
2200	3944	6905
2400	4301	7529
2500	4479	7841
2600	4657	
2800	5013	
3000	5370	
3200	5726	
3400	6083	
3600	6439	
3800	6795	
4000	7152	
4200	7508	
4400	7865	
4600	8221	
4800	8577	
5000	8934	

(#/HR. = SCFM x 4.596)

HYDROGEN

(MOL. WT. = 2.02)

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

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS	
	3/4 x 1	1 x 1-1/4
	ORIFICE DIAMETER (IN.)	
	.375	.500
50	429	752
75	599	1048
100	768	1345
150	1107	1938
200	1446	2531
250	1785	3125
300	2124	3718
350	2463	4311
400	2801	4904
450	3140	5497
500	3479	6091
550	3818	6684
600	4157	7277
650	4496	7870
700	4834	8463
750	5173	9056
800	5512	9651
850	5851	10243
900	6190	10836
950	6529	11429
1000	6868	12022
1200	8223	14395
1400	9578	16768
1600	10934	19141
1800	12289	21514
2000	13645	23886
2200	15000	26259
2400	16355	28632
2500	17033	29818
2600	17711	
2800	19066	
3000	20421	
3200	21777	
3400	23132	
3600	24488	
3800	25843	
4000	27198	
4200	28554	
4400	29909	
4600	31265	
4800	32620	
5000	33975	

(#/HR. = SCFM x .3189)