



SAFETY-RELIEF VALVE

MODEL 4700 - 4800 - 4900

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	
	3/4 x 1	1 x 1-1/4
	ORIFICE DIAMETER (IN.)	
	.375	.500
50	304	532
75	422	742
100	544	952
150	784	1372
200	1024	1793
250	1264	2213
300	1504	2633
350	1744	3053
400	1984	3473
450	2224	3893
500	2464	4313
550	2704	4733
600	2944	5153
650	3183	5573
700	3423	5993
750	3663	6413
800	3903	6833
850	4143	7253
900	4383	7673
950	4623	8093
1000	4863	8513
1200	5823	10194
1400	6783	11874
1600	7742	13554
1800	8702	15234
2000	9662	16914
2200	10622	18595
2400	11582	20275
2500	12061	21115
2600	12541	
2800	13501	
3000	14461	
3200	15421	
3400	16381	
3600	17340	
3800	18300	
4000	19260	
4200	20220	
4400	21179	
4600	22139	
4800	23099	
5000	24059	

(#/HR. = SCFM x 0.6330)

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS	
	3/4 x 1	1 x 1-1/4
	ORIFICE DIAMETER (IN.)	
	.375	.500
50	140	244
75	195	341
100	250	437
150	360	630
200	470	823
250	580	1016
300	691	1209
350	801	1402
400	911	1595
450	1021	1787
500	1131	1980
550	1241	2173
600	1352	2366
650	1462	2559
700	1572	2752
750	1682	2945
800	1792	3138
850	1902	3330
900	2013	3523
950	2123	3716
1000	2233	3909
1200	2674	4680
1400	3114	5452
1600	3555	6223
1800	3996	6995
2000	4436	7766
2200	4877	8538
2400	5318	9309
2500	5538	9695
2600	5758	
2800	6199	
3000	6640	
3200	7081	
3400	7521	
3600	7962	
3800	8403	
4000	8843	
4200	9284	
4400	9725	
4600	10165	
4800	10606	
5000	11047	

(#/HR. = SCFM x 2.9202)