



SAFETY-RELIEF VALVE

MODEL 3600-3800

CAPACITY CHART

PLASTIC SEATS ONLY

AIR

(MOL. WT. = 28.97)

HYDROGEN

(MOL. WT. = 2.02)

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

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

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS	
	1/2 x 1/2	OR 1/2 x OPEN
	ORIFICE DIAMETER (IN.)	
	.156	.250
50	11	21
75	16	30
100	20	38
125	25	46
140	28	51
150	29	54
160	31	58
180	35	64
200	38	71
250	47	88
300	56	104
350	65	121
400	74	138
450	83	154
500	92	171
550	101	188
600	110	204
650	119	221
700	128	238
750	137	254
800	146	271
900	164	304
1000	182	338
1100	200	371
1300	236	438
1500	271	504
1700	307	571
2000	361	671
2500	451	838
3000	539	1004
3500	630	1171
4000	720	1338
4250	764	1421
5000	899	
5500	989	
6000	1078	
6500	1168	
7000	1258	
7500	1347	
8000	1437	
8500	1526	
9000	1616	
9500	1706	
10000	1795	

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS	
	1/2 x 1/2	OR 1/2 x OPEN
	ORIFICE DIAMETER (IN.)	
	.156	.250
50	43	80
75	60	112
100	77	144
125	94	175
140	105	194
150	111	207
160	118	220
180	132	245
200	146	270
250	180	334
300	214	397
350	248	461
400	282	524
450	316	587
500	350	651
550	384	714
600	418	778
650	452	841
700	486	904
750	521	968
800	555	1031
900	623	1158
1000	691	1285
1100	759	1411
1300	896	1666
1500	1032	1918
1700	1168	2172
2000	1373	2552
2500	1714	3186
3000	2055	3820
3500	2396	4453
4000	2737	5087
4250	2907	5404
5000	3419	
5500	3759	
6000	4100	
6500	4441	
7000	4782	
7500	5123	
8000	5464	
8500	5805	
9000	6146	
9500	6487	
10000	6828	

(#/HR. = SCFM x 4.596)

(#/HR. = SCFM x .3189)



SAFETY-RELIEF VALVE

MODEL 3600-3800

CAPACITY CHART

PLASTIC SEATS ONLY

HELIUM

(MOL. WT. = 4)

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	
	1/2 x 1/2	OR 1/2 x OPEN
	ORIFICE DIAMETER (IN.)	
	.156	.250
50	31	57
75	43	79
100	55	102
125	67	124
140	74	138
150	79	147
160	84	156
180	93	174
200	103	192
250	127	236
300	151	281
350	176	326
400	200	371
450	224	416
500	248	461
550	272	506
600	296	551
650	320	595
700	345	640
750	369	685
800	393	730
900	441	820
1000	489	910
1100	538	999
1300	634	1179
1500	731	1358
1700	827	1538
2000	972	1807
2500	1214	2256
3000	1455	2705
3500	1696	3154
4000	1938	3602
4250	2059	3827
5000	2421	
5500	2662	
6000	2904	
6500	3145	
7000	3386	
7500	3628	
8000	3869	
8500	4111	
9000	4352	
9500	4594	
10000	4835	

SET PRESSURE (PSIG)	MINIMUM CONNECTIONS	
	1/2 x 1/2	OR 1/2 x OPEN
	ORIFICE DIAMETER (IN.)	
	.156	.250
50	14	26
75	20	36
100	25	47
125	31	57
140	34	63
150	36	67
160	38	71
180	43	80
200	47	88
250	58	109
300	70	129
350	81	150
400	92	170
450	103	191
500	114	212
550	125	232
600	136	253
650	147	273
700	158	294
750	169	315
800	180	335
900	203	376
1000	225	418
1100	247	459
1300	291	541
1500	336	624
1700	380	706
2000	446	830
2500	557	1036
3000	668	1242
3500	779	1448
4000	890	1654
4250	945	1757
5000	1112	
5500	1222	
6000	1333	
6500	1444	
7000	1555	
7500	1666	
8000	1777	
8500	1888	
9000	1998	
9500	2109	
10000	2220	

(#/HR. = SCFM x .6330)

(#/HR. = SCFM x 2.9202)