UMAC Series 700 (Orange Label) Excess Flow Valves

5 psig to 1,000 psig
(345 mbar to 69 bar) – Inlet Pressure

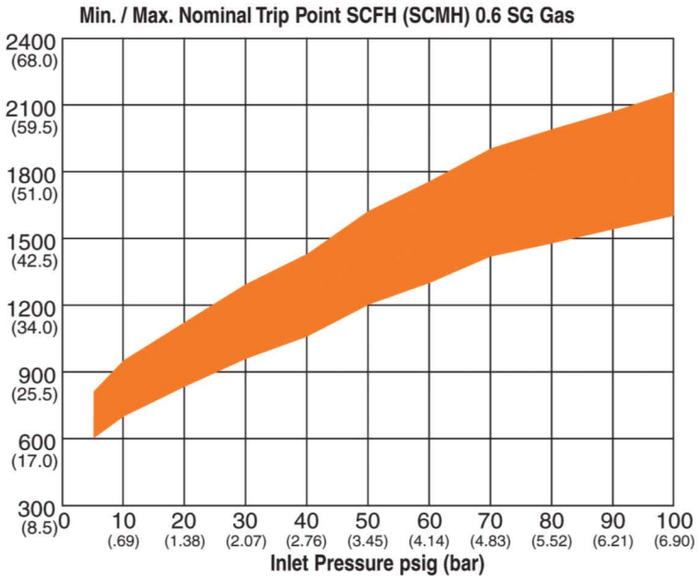
Inlet Pressure		SERIES 700[1] Nom. Min. Trip Point 0.6 SG Gas		Bypass Flow After Trip (Nom. Max) 0.6 SG Gas	
psig	bar	SCFH	SCMH	SCFH	SCMH
5	0.34	600	16.99	18	0.51
10	0.69	700	19.82	20	0.57
15	1.03	760	21.52	23	0.65
20	1.38	830	23.50	25	0.71
30	2.07	960	27.18	28	0.79
40	2.76	1,060	30.02	32	0.91
50	3.45	1,200	33.98	35	0.99
60	4.14	1,300	36.81	37	1.05
70	4.83	1,410	39.93	39	1.10
80	5.52	1,480	41.91	41	1.16
90	6.21	1,540	43.61	46	1.30
100	6.90	1,600	45.31	50	1.42
150	10.34	1,780	50.40	75	2.12
200	13.79	1,960	55.50	88	2.44
250	17.24	2,140	60.60	115	3.26
300	20.69	2,320	65.70	130	3.68
350	24.14	2,500	70.79	155	4.39
400	27.59	2,680	75.89	175	4.96
450	31.03	2,860	80.99	185	5.24
500	34.48	3,040	86.08	195	5.52
550	37.93	3,220	91.18	215	6.09
600	41.38	3,400	96.28	240	6.80
650	44.83	3,580	101.37	260	7.36
700	48.28	3,750	106.19	275	7.79
720	49.66	3,800	107.60	290	8.21

1. For pressures over 720 psig (49.66 bar) contact GasBreaker, Inc.

Note: Calculate service line capacities from given flow and pressure drop data to ensure adequate flow capacity is available to operate valve. For additional assistance with sizing and technical information on UMAC Excess Flow Valves, please contact GasBreaker, Inc.

A free UMAC EFV Design CD is available.

TRIP RANGE CHART



AVAILABILITY

UMAC Series 700 EFVs available in sizes ranging from ¾ IPS – 2 IPS sticks and prefabricated models in other sizes. (see page 3 for examples)

All valves comply with: DOT Part 192.381, ASTM F 2138 and MSS SP-115: Excess Flow Valves
Tested in accordance with ASTM F 1802: Standard Test Method for Performance Testing of Excess Flow Valves

AVERAGE PRESSURE DROP AT AN INLET PRESSURE OF 10 PSIG (0.69 BAR)

UMAC EFV	Typical Customer Gas Load (0.6 SG Gas)		Average Pressure Drop Across Valve	
	SCFH	SCMH	psi	mbar
Series 700	425	12.03	0.15	10.34

GasBreaker™