

UMAC Series 1100 Gray Label Excess Flow Valves

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

Inlet Pressure		SERIES 1100 Nom. Min. Trip Point 0.6 SG Gas		Bypass Flow After Trip (Nom. Max) 0.6 SG Gas	
		SCFH	SCMH	SCFH	SCMH
5	0.34	1,000	28.32	18	0.51
10	0.69	1,100	31.15	20	0.57
15	1.03	1,230	34.83	23	0.65
20	1.38	1,310	37.09	25	0.71
30	2.07	1,530	43.32	28	0.79
40	2.76	1,670	47.29	32	0.91
50	3.45	1,870	52.95	35	0.99
60	4.14	2,030	57.18	37	1.05
70	4.83	2,180	61.73	39	1.10
80	5.52	2,300	65.13	41	1.16
90	6.21	2,450	69.38	46	1.30
100	6.90	2,550	72.21	50	1.42
150	10.34	2,859	80.96	75	2.12
200	13.79	3,329	94.25	88	2.44
250	17.24	3,744	106.01	115	3.26
300	20.69	4,142	117.30	130	3.68
350	24.14	4,536	128.44	155	4.39
400	27.59	4,829	136.73	175	4.96
450	31.03	5,130	145.26	185	5.24
500	34.48	5,401	152.94	195	5.52
550	37.93	5,621	159.16	215	6.09
600	41.38	5,819	164.77	240	6.80
650	44.83	6,017	170.38	260	7.36
700	48.28	6,292	178.16	275	7.79
750	51.72	6,555	185.61	295	8.35
800	55.17	6,803	192.65	310	8.78
850	58.62	7,035	199.22	330	9.34
900	62.07	7,248	205.24	350	9.91
950	65.52	7,439	210.65	370	10.48
1,000	68.97	7,606	215.39	385	10.90

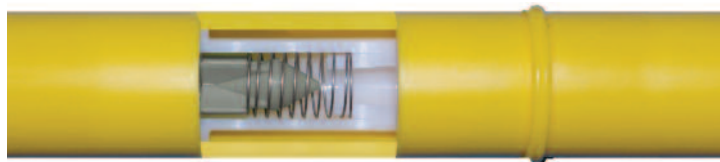
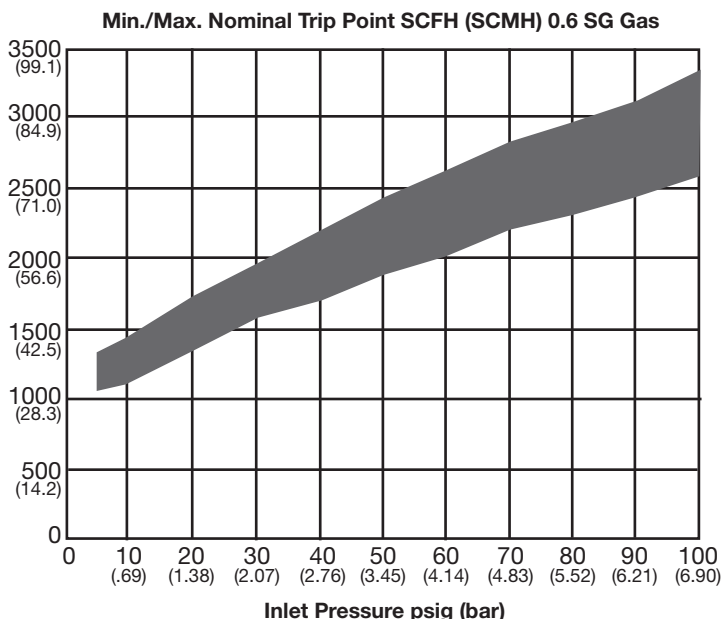
Note:

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.



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TRIP RANGE CHART



AVAILABILITY

UMAC Series 1100 EFVs available in sizes ranging from 3/4 IPS – 2 IPS sticks and prefabricated models in other sizes. (see page 4 for examples)

**All valves comply with: DOT Part 192.381, ASTM F 2138 and MSS SP-115: Excess Flow Valves
Tested to, or 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 1100	800	22.65	0.30	20.69