

UMAC Series 300 Black Label Excess Flow Valves

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

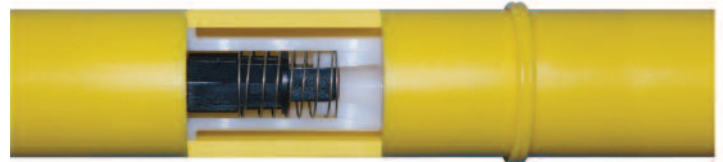
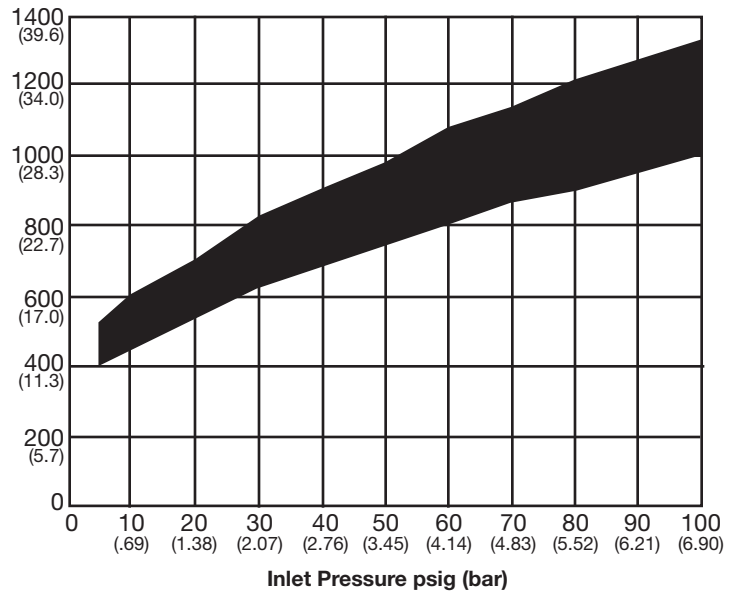
Inlet Pressure		SERIES 300 Nom. Min. Trip Point 0.6 SG Gas		Bypass Flow After Trip (Nom. Max) 0.6 SG Gas	
psig	bar	SCFH	SCMH	SCFH	SCMH
5	0.34	400	11.33	18	0.51
10	0.69	450	12.74	20	0.57
15	1.03	490	13.88	23	0.65
20	1.38	540	15.29	25	0.71
30	2.07	620	17.56	28	0.79
40	2.76	680	19.26	32	0.91
50	3.45	740	20.95	35	0.99
60	4.14	800	22.65	37	1.05
70	4.83	860	24.35	39	1.10
80	5.52	910	25.77	41	1.16
90	6.21	950	26.90	46	1.30
100	6.90	1,000	28.32	50	1.42
150	10.34	1,190	33.70	75	2.12
200	13.79	1,210	34.26	88	2.44
250	17.24	1,350	38.23	115	3.26
300	20.69	1,490	42.19	130	3.68
350	24.14	1,590	45.02	155	4.39
400	27.59	1,670	47.29	175	4.96
450	31.03	1,770	50.12	185	5.24
500	34.48	1,810	51.25	195	5.52
550	37.93	1,890	53.52	215	6.09
600	41.38	1,970	55.78	240	6.80
650	44.83	2,050	58.05	260	7.36
700	48.28	2,120	60.03	275	7.79
750	51.72	2,201	62.32	295	8.35
800	55.17	2,278	64.50	310	8.78
850	58.62	2,351	66.58	330	9.34
900	62.07	2,420	68.52	350	9.91
950	65.52	2,483	70.32	370	10.48
1,000	68.97	2,541	71.96	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.

TRIP RANGE CHART

Min./Max. Nominal Trip Point SCFH (SCMH) 0.6 SG Gas



AVAILABILITY

UMAC Series 300 EFVs available in sizes ranging from ¼ IPS - 2 IPS sticks and prefabricated models in other sizes (see page 4 for examples).



This series available for use on propane service line applications.

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 300	275	7.79	0.20	13.79



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