

Performance Characteristics

UMAC Series 350 (Yellow Label) Excess Flow Valves

5 psig to 150 psig
(345 mbar to 10 bar) – Inlet Pressure

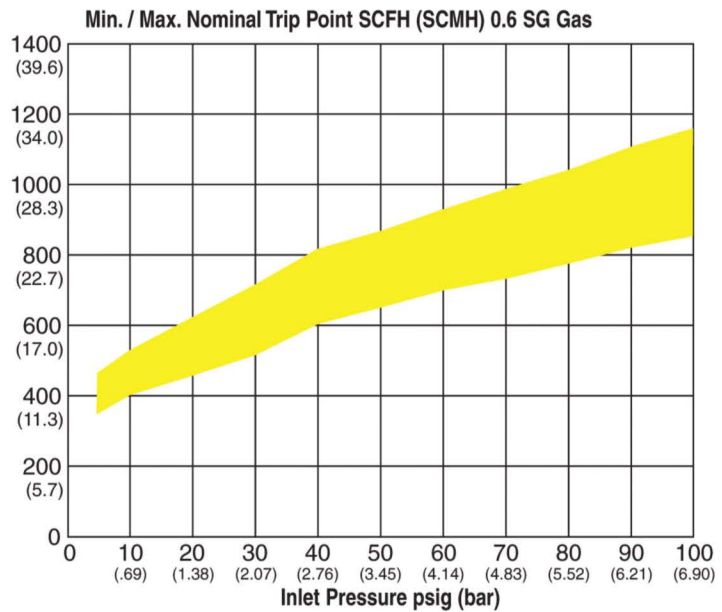
Inlet Pressure		SERIES 350 Nom. Min. Trip Point 0.6 SG Gas		Bypass Flow After Trip (Nom. Max) 0.6 SG Gas	
psig	bar	SCFH	SCMH	SCFH	SCMH
5	0.34	350	9.91	18	0.51
10	0.69	400	11.33	20	0.57
15	1.03	430	12.18	23	0.65
20	1.38	460	13.03	25	0.71
30	2.07	530	15.01	28	0.79
40	2.76	600	16.99	32	0.91
50	3.45	650	18.41	35	0.99
60	4.14	700	19.82	37	1.05
70	4.83	730	20.67	39	1.10
80	5.52	780	22.09	41	1.16
90	6.21	820	23.22	46	1.30
100	6.90	860	24.35	50	1.42
150	10.34	1,000	28.32	75	2.12

1. For pressures over 150 psig (10.34 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 350 EFVs available in 1/2 CTS, 1/2 IPS & 3/4 CTS sticks and other prefabricated models. (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 350	275	7.79	0.75	51.72

The technical data contained herein are guides to the use of UMAC Valves. The advice contained herein is based upon tests and information believed to be reliable, but users should not rely upon it absolutely for specific applications. It is given and accepted at user's risk and confirmation of its validity and suitability in particular cases should be obtained independently. GasBreaker, Inc. makes no guarantee of results and assumes no obligation or liability in connection with its advice. This publication is not to be taken as a license to operate under or recommendation to infringe any patents.

