

Fire Pump Test Meter

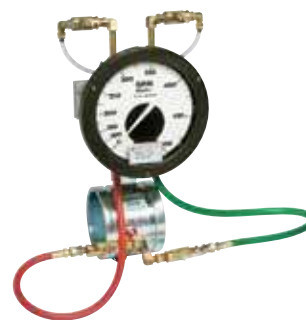
SERIES 735



SEE VICTAULIC PUBLICATION 10.01 FOR DETAILS

The Style 735 Victaulic® Fire Pump Test Meter was specifically designed for the monitoring of fire protection systems. Style 735 consists of a calibrated Victaulic Venturi with attached dial meter (specify Model “S”, 4½”/120 mm dial meter; or Model “L”, 6”/150 mm dial meter) and flow reading in GPM (gallons per minute) or m³/hr. (cu. meters/hour). Quickly installed on the discharge side of the pump with just two Victaulic couplings, the Style 735 provides accurate measurements of pump performance.

The Victaulic Fire Pump Test Meter is designed for use with Victaulic FM Approved products in 2½ – 12”/65 – 300 mm sizes. Maximum working pressure for Model “L” is 175 psi/1200 kPa, Model “S” is rated to 500 psi/3450 kPa.



MATERIAL SPECIFICATIONS

Housing: Steel – 4”/100 mm and under, Schedule 40, conforming to ASTM A-53; 5”/125 mm and above conforming to ASTM A-53 Grade B.

Cone: Steel conforming to ASTM A-569

Needle Valve: Yellow brass conforming to ASTM B-124 (377)

NPT Size: ¼”/6.4 mm

Tubing: Yellow brass conforming to ASTM B-16 (360)

Meter: 4½” Dial Type – Model “S”

• **Optional:** 6” Dial Type – Model “L”

JOB/OWNER

System No. _____

Location _____

CONTRACTOR

Submitted By _____

Date _____

ENGINEER

Spec Sect _____ Para _____

Approved _____

Date _____

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REV_B



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DIMENSIONS

Size		Nominal Flow Rate	Meter Range* Minimum-Maximum GPM/m ³ /hr.		End to End	Approx. Wgt. Each Lbs./kg	
Nominal Size Inches mm	Actual Out. Dia. Inches mm	GPM M ³ /hr.	Model "L"	Model "S"	Inches mm	Model "L"	Model "S"
2 1/2 65	2.875 73.0	100 23	40 – 200 9 – 45	60 – 200 14 – 45	4.00 102	14.0 6.4	9.0 4.1
3 80	3.500 88.9	200 45	100 – 400 23 – 91	140 – 400 32 – 91	4.25 108	15.0 6.8	10.0 4.5
4 100	4.500 114.3	250 57	100 – 500 23 – 114	160 – 500 36 – 114	3.75 95	17.0 7.7	12.0 5.4
4 100	4.500 114.3	300 68	100 – 600 23 – 136	190 – 600 43 – 136	3.75 95	17.0 7.7	12.0 5.4
4 100	4.500 114.3	450 102	200 – 900 45 – 204	300 – 900 68 – 204	3.75 95	17.0 7.7	12.0 5.4
5 125	5.563 141.3	500 114	200 – 1000 45 – 227	300 – 1000 68 – 227	5.00 127	18.0 8.2	13.0 5.9
6 150	6.625 168.3	750 170	300 – 1500 68 – 341	450 – 1500 102 – 341	6.00 152	20.0 9.1	15.0 6.8
6 150	6.625 168.3	1000 227	400 – 2000 91 – 454	600 – 2000 136 – 454	6.00 152	20.0 9.1	15.0 6.8
6 150	6.625 168.3	1250 284	500 – 2500 114 – 568	800 – 2500 182 – 568	6.00 152	20.0 9.1	15.0 6.8
8 200	8.625 219.1	1500 341	600 – 3000 136 – 681	900 – 3000 204 – 681	7.00 178	27.0 12.3	22.0 10.0
8 200	8.625 219.1	2000 454	1000 – 4000 227 – 908	1400 – 4000 318 – 908	7.00 178	27.0 12.3	22.0 10.0
8 200	8.625 219.1	2500 568	1000 – 5000 227 – 1135	1600 – 5000 363 – 1135	7.00 178	27.0 12.3	22.0 10.0
8 200	8.625 219.1	3000 681	1000 – 6000 227 – 1363	1900 – 6000 431 – 1363	7.00 178	27.0 12.3	22.0 10.0
10 250	10.750 273.0	3500 795	2000 – 7000 454 – 1590	2500 – 7000 568 – 1590	8.00 203	38.0 17.2	33.0 15.0
10 250	10.750 273.0	4000 908	2000 – 8000 454 – 1817	2500 – 8000 568 – 1817	8.00 203	38.0 17.2	33.0 15.0
10 250	10.750 273.0	4500 1022	2000 – 9000 454 – 2045	3000 – 9000 681 – 2045	8.00 203	38.0 17.2	33.0 15.0
12 300	12.750 323.9	5000 1135	2000 – 10000 454 – 2272	3000 – 10000 681 – 2272	12.00 305	71.0 32.2	66.0 29.9

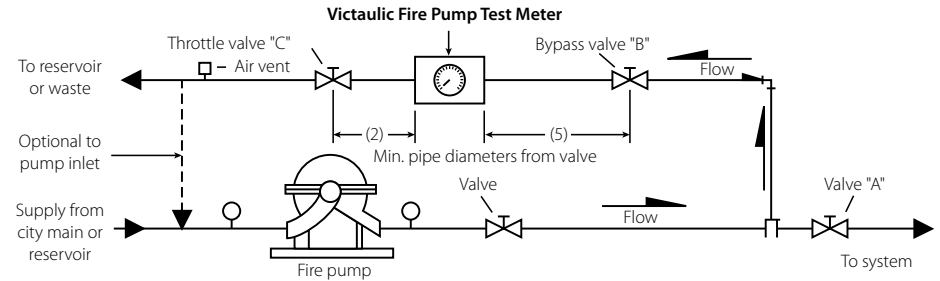
* Specify Model "L" for 6" dial; Model "S" for 4 1/2" dial.

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INSTALLATION

Suggested Piping Diagram



OPERATING INSTRUCTIONS FOR FIRE PUMP FLOW VENTURI

- 1 Close system valve "A".
- 2 Open bypass valve "B" and throttle valve "C".
- 3 Purge meter located on Style 735 Fire Pump Test Meter as follows:
Open station shut-off valves (below meter) and vent valves (above meter). When a steady stream of water is passing through each plastic hose, meter is purged of air. Close all valves after air purging.
- 4 Start Fire Pump and read meter in GPM ($m^3/hr.$)
- 5 Refer to pump GPM requirement and adjust throttle valve to achieve various flow readings. Record pump GPM, suction and discharge pressures, etc., accordance with requirements.

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INSTALLATION

Reference should always be made to the I-100 Victaulic Field Installation Handbook for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

For complete contact information, visit www.victaulic.com

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