RATE-MASTER® DIAL-TYPE FLOWMETERS
For Panel Mounting, Three Ranges to 10 GPM Water

[3] 7/32 DIA [5.6] HOLES ON 5-3/8 DIA [136.5] BOLT CIRCLE

120° TYP.

5-7/8 DIA. [149.2]

11/32 [8.85]

1 [25.40]

2 [50.80]

1-19/64 [33.02]

4-5/8 DIA. [117.98]

1-1/4 [31.75]

3/4˝ NPT TYP. BOTH ENDS

4-7/16 [112.78]
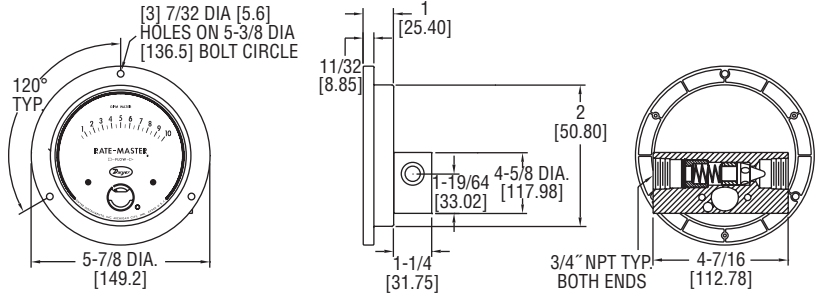
*FITS IN ANSI STANDARD 4.940 [125.5] PANEL CUTOUT

The **SERIES RMVII** Rate-Master® Flowmeters consists of a machined brass meter body which is ideally suited for water flows with ±5% of full scale accuracy. Body design fits standard 4-1/2˝ mounting hole layouts per ANSI B40.1. Inlet and outlet threads are standard 3/4˝ female NPT.

FEATURES/BENEFITS
• Unique construction fully isolates flowing media from gage front for leak-proof operation at pressures up to 3000 psig (206.7 bar)
• Target-type design combined with a damage resistant magnetic linkage, drive a pointer over easy-to-read litho scale
• Shatter proof construction, unlike glass tube variable area flowmeters, yields long operation life

APPLICATIONS
• Monitor coolant flow through ingot heaters, high-amp switchgear, resistance welders, heat exchangers, compressors, scrubbers
• Monitor water consumption to different processes and operations for more efficient operations
• Calculate required fill or drain times for tanks, water towers

OPTION	
To order add suffix:	**Description**
-NIST	NIST traceable calibration certificate
Example: RMVII-1-NIST	

SPECIFICATIONS

Service: Compatible gases & liquids & oils.
Wetted Materials: Brass, 302 SS, sintered barium ferrite, polyacetyl.
Temperature Limit: 200°F (93°C).
Pressure Limit: 3000 psig (206 bar).

Pressure Drop: 0 to 5 GPM: 3.2 psid; 0 to 10 GPM: 5.3 psid; 0 to 20 GPM: 10.4 psid.
Accuracy: ±5% of FS.
Size: Diameter dial face 4.5˝ (114.3 mm).
Process Connections: 3/4˝ female NPT.
Weight: 2 lb, 14 oz (1.3 kg).

MODEL CHART

Model	Range GPM Water	Range SCFM	Range LPM Air	Range GPM Oil	Range LPM Oil
RMVII-1	0 to 3	-	-	-	-
RMVII-3	0 to 5	-	-	-	-
RMVII-6	0 to 10	-	-	-	-
RMVII-10	-	0 to 10	0 to 280	-	-
RMVII-12	-	0 to 30	0 to 850	-	-
RMVII-14	-	0 to 50	0 to 1400	-	-
RMVII-20	-	-	-	0 to 2.2	0 to 8
RMVII-21	-	-	-	0 to 4.0	0 to 15
RMVII-22	-	-	-	0 to 8.5	0 to 32