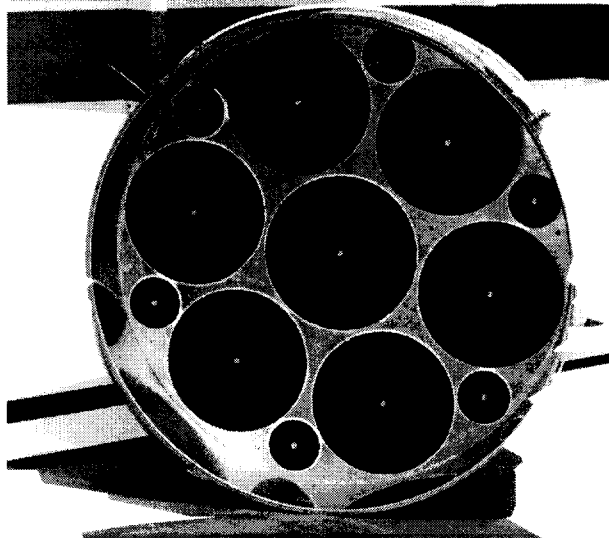


LARGE LAMINAR FLOW ELEMENTS

Laboratories



Meriam Instrument's new series of 50MS2 Laminar Flow Elements extend the capabilities of the LFE product line to very high flow rates. This series consists of models with large diameters for pipes and ducts. Constructed of stainless steel, the 50MS2 incorporates a special laminar matrix assembly. The matrix has a low pressure loss and produces a linear output over a very wide measuring range.

Large LFEs are used to measure volumetric or mass flow of any gas. Flow turndown capability of 50:1 or greater, accuracy of .5% reading and low pressure loss make these elements particularly well suited for flow tests and calibration of fans, blowers, vent hoods, radiators and other HVAC equipment. They are also used to calibrate other flow measurement devices.

PRODUCT SPECIFICATIONS

MODELS:	Air Flow cfm (m ³ /min)	Max. DP "H ₂ O (mmH ₂ O ; mbar)*
50MS2-24-1	4000 (113)	3 (76.2 ; 7.5)
50MS2-36-1	8000 (226)	3 (76.2 ; 7.5)
50MS2-48-1	15000 (425)	3 (76.2 ; 7.5)

* An optional matrix can be supplied to produce a larger full scale DP of 10"H₂O (254 mmH₂O ; 24.9 mbar). Change suffix to -3. Permanent pressure or head loss is equal to the differential pressure at the flow rate.

ACCURACY: ± 0.5% of reading. The standards used to calibrate each LFE are NIST traceable. LFEs are calibrated with air at standard conditions of 29.92" Hg and 70° F (760mm Hg and 21.1° C).

TURNDOWN: 15 to 1 standard calibration. Higher flow turndown calibrations are available.

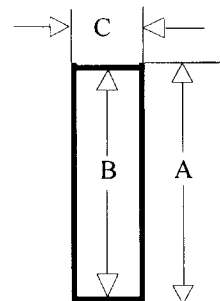
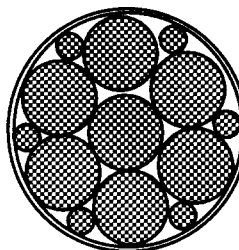
PRESSURE LIMITS: 20 PSIG (1.4 bar) maximum.

MEDIA: Clean, dry gas.

PRESSURE CONNECTIONS: Prestolok 1/4" nylon fittings.

LINE CONNECTION: Suitable for V-clamp.

DIMENSIONS:



MODEL:	A	B	C
50MS2-24	24 7/8 (632)	23 7/8 (607)	18 (458)
50MS2-36	36 7/8 (937)	35 7/8 (912)	18 (458)
50MS2-48	48 7/8 (1242)	48 7/8 (1216)	18 (458)

Dimensions are inches (mm)