

MTR SERIES

Metal Tube Rotameter

A variable-area flow meter with a die-cast aluminium housing and a linear local scale, built for high-pressure and high-temperature service across water, oil and air lines.



Description

VEKSLER (MTR-19) Metal Tube Rotameters are available for use in harsher duties in liquids and gases where glass tubes are not allowed for safety reasons. These are very rugged and robust yet inexpensive for flow rate indication purposes. MTR can be used for opaque and turbid fluids at high operating temperature and pressures. The flow is indicated by a pointer, which is magnetically coupled with the float that rises in a tapered tube with increase in flow.

APPLICATIONS Water, Oil, Gas

PRODUCT CHARACTERISTICS

Customisable flow reading

Direct local scale reading as per requirement.

Wide range of process connection

Flanged, tri-clover, SMS union.

Rugged construction

Die-cast aluminium housing with an aluminium pointer and SS 304 hardware.

High pressure and temperature

Engineered body and lining for demanding process conditions.

GENERAL PERFORMANCE PARAMETERS

Applies to all variants unless otherwise specified

Wetted Parts	SS304, SS316, SS304+PTFE (coated/lined), SS316+PTFE (coated/lined), SS304+PFA lined or SS316+PFA lined.
Housing	ABS, die-cast aluminium, with aluminium pointer
Float MOC	SS316 (standard), PTFE (highly acidic service), SS316+PTFE (mild acids)
Line size	1/2" to 4" (up to 6" available)
Flow range – liquid	Configurable from 300 LPH up to 80,000 LPH
Flow range – air	Up to 6000 m ³ /hr, at a given pressure
End connection	Standard flanged (ASA 150#, 300#, 600#, customisable), Tri-Clover, SMS Union
Display	Local linear scale, easy to read; optional digital LCD display with totaliser
Output signal	Linear flow reading; optional 4~20 mA
Optional accessories	High/low flow alarm switches
Flange-to-flange distance	350 mm standard (customisable)

Note — Output signal, alarm configuration and flange standard (ASA, BS, DIN or equivalent) can be specified at the time of order.

How to choose

01 Digital Display Type

Flanged connections, top and bottom.



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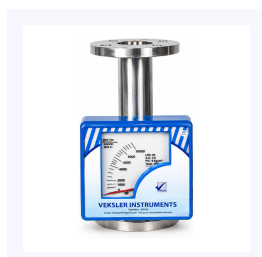
VI-DMTR

Digital local display with a linear scale and direct LPH readout; flanged process connections top and bottom. Configurable unit from LPH, M³/Hr, KG/Hr, LPM etc.

EXAMPLE RANGE 0 ~ 1000 LPH (water, as configured)

02 Analogue Display Type

Flanged connections, top and bottom.



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VI-MTR-F

Standard analogue pointer scale for direct visual flow reading; flanged process connections top and bottom.

EXAMPLE RANGE 0 ~ 10,000 LPM, Oil (as configured)

03 Flameproof Enclosure Type

Flanged connections, top and bottom.



Metal Tube Rotameter

VI-MTR-F

Flameproof enclosure with a round dial pointer scale, fluid and range nameplate; flanged process connections top and bottom.

EXAMPLE RANGE 0 to 5 Nm³/hr (as configured)

Wetted parts SS + PTFE also available for specific applications.

04 Tri-Clover / SMS Union Connection

Sanitary end connections, top and bottom.



Metal Tube Rotameter

VI-MTR-T

VI-MTR-S

Tri-Clover (tri-clamp) or SMS Union end connections for sanitary and hygienic installations.

ENQUIRIES

Tell us your process conditions.

Share your fluid, working conditions, MOC requirement, connection type and display type, and we will confirm the right MTR model for the application.

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