

Tracer®VM Base Flowmeter

PCS Company offers Tracer®VM Base Flowmeters which is a non-display sensor. The sensor provides a 0.5 to 3.5 volt output for process flow rate and 0.5 to 4.1 volt output for process temperature. No moving parts makes the vortex sensor highly accurate and repeatable. The flow reading is directional which is indicated by an arrow on the base flowmeter. The connection to the process is with standard NPT pipe threads ranging from 3/8" to 1-1/2". The flow body materials are brass, nylon, anodized aluminum and stainless steel making corrosion resistant.



- Operating Temperature: 0°C to 120°C (32°F to 248°F)
- Operating Pressure: 10.3 bar max. (150 psi max.)
- No moving parts for reliable operation
- Flow and Temperature Sensors in one unit for compact installation
- Quick temperature response from direct media contact
- Economical and versatile construction with corrosion-resistant materials
- Installs easily onto Smartflow Aluminum Manifolds to interface with Smartlink™ for total injection mold cooling water process control
- 3/8" & 1/2" Body Size - Glass-Filled Nylon Flow Body with Brass or Nylon End Caps
- 3/4" thru 1-1/2" Body Size - Anodized Aluminum or Stainless Steel Flow Body

Item Number	Body Material	Body Size (NPT)	Range (GPM)	Range (LPM)	Interface
VM12-AL-200H-B	Aluminum	1-1/2 "	2.6 to 52.8	10 to 200	Base
VM12-SS-200H-B	Stainless Steel	1-1/2 "	2.6 to 52.8	10 to 200	Base
VM3-B-18H-B	Brass and Nylon	3/8 "	.3 to 4	1 to 18	Base
VM3-B-40H-B	Brass and Nylon	3/8 "	.5 to 10.6	2 to 40	Base
VM3-N-18H-B	Nylon	3/8 "	.3 to 4	1 to 18	Base
VM3-N-40H-B	Nylon	3/8 "	.5 to 10.6	2 to 40	Base
VM4-B-18H-B	Brass and Nylon	1/2 "	.3 to 4	1 to 18	Base
VM4-B-40H-B	Brass and Nylon	1/2 "	.5 to 10.6	2 to 40	Base
VM4-N-18H-B	Nylon	1/2 "	.3 to 4	1 to 18	Base
VM4-N-40H-B	Nylon	1/2 "	.5 to 10.6	2 to 40	Base
VM6-AL-100H-B	Aluminum	3/4 "	1.3 to 26.4	5 to 100	Base
VM6-SS-100H-B	Stainless Steel	3/4 "	1.3 to 26.4	5 to 100	Base
VM8-AL-100H-B	Aluminum	1 "	1.3 to 26.4	5 to 100	Base
VM8-AL-200H-B	Aluminum	1 "	2.6 to 52.8	10 to 200	Base
VM8-SS-100H-B	Stainless Steel	1 "	1.3 to 26.4	5 to 100	Base
VM8-SS-200H-B	Stainless Steel	1 "	2.6 to 52.8	10 to 200	Base

Tracer®VM Local & Remote Interface



PCS Company offers the Tracer®VM Flowmeter with both local and remote interfaces. These flowmeters measure liquid flow rate and temperature while at the same time provide a selectable analog voltage and programmable switch. The user interface whether remote or local displays Reynolds Number and calculates BTU's per minute. The vortex sensor is accurate and repeatable with no moving parts. The flow reading is directional indicated by the arrow on the body of the flowmeter.

- Operating Pressure: 150 psi max.
- Operating Temperature: 0 to 120°C (32 to 248°F)
- Analog Output for Flow (0.5-3.5V, 0-5V or 0-10V selectable)
- Analog Output for Temperature (0.5-4.1V, 0-5V or 0-10V selectable)
- Reynolds Number Display
- Turbulent Flow Display (FCI)
- Flow Rate Display in Gallons or Liters per Minute, +/- 1.5% Accuracy based on full scale
- Temperature Display in Degrees Fahrenheit or Celsius, +/- 0.5°C Accuracy
- BTU's per Minute Calculation with Optional Glycol % Input
- Flow Connection Sizes (NPT): 3/8", 1/2", 3/4", 1" and 1-1/2"

Item Number	Body Material	Body Size (NPT)	Range (GPM)	Range (LPM)	Interface
VM12-AL-200H-L	Aluminum	1-1/2 "	2.6 to 52.8	10 to 200	Local
VM12-SS-200H-L	Stainless Steel	1-1/2 "	2.6 to 52.8	10 to 200	Local
VM3-B-18H-L	Brass	3/8 "	.3 to 4	1 to 18	Local
VM3-B-40H-L	Brass	3/8 "	.5 to 10.6	2 to 40	Local
VM3-N-18H-L	Nylon	3/8 "	.3 to 4	1 to 18	Local
VM3-N-40H-L	Nylon	3/8 "	.5 to 10.6	2 to 40	Local
VM4-B-18H-L	Brass	1/2 "	.3 to 4	1 to 18	Local
VM4-B-40H-L	Brass	1/2 "	.5 to 10.6	2 to 40	Local
VM4-N-18H-L	Nylon	1/2 "	.3 to 4	1 to 18	Local
VM4-N-40H-L	Nylon	1/2 "	.5 to 10.6	2 to 40	Local
VM6-AL-100H-L	Aluminum	3/4 "	1.3 to 26.4	5 to 100	Local
VM6-SS-100H-L	Stainless Steel	3/4 "	1.3 to 26.4	5 to 100	Local
VM8-AL-100H-L	Aluminum	1 "	1.3 to 26.4	5 to 100	Local
VM8-AL-200H-L	Aluminum	1 "	2.6 to 52.8	10 to 200	Local
VM8-SS-100H-L	Stainless Steel	1 "	1.3 to 26.4	5 to 100	Local
VM8-SS-200H-L	Stainless Steel	1 "	2.6 to 52.8	10 to 200	Local

Tracer®VM Local & Remote Interface

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Item Number	Body Material	Body Size (NPT)	Range (GPM)	Range (LPM)	Interface
VM12-AL-200H-R	Aluminum	1-1/2 "	2.6 to 52.8	10 to 200	Remote
VM12-SS-200H-R	Stainless Steel	1-1/2 "	2.6 to 52.8	10 to 200	Remote
VM3-B-18H-R	Brass	3/8 "	.3 to 4	1 to 18	Remote
VM3-B-40H-R	Brass	3/8 "	.5 to 10.6	2 to 40	Remote
VM3-N-18H-R	Nylon	3/8 "	.3 to 4	1 to 18	Remote
VM3-N-40H-R	Nylon	3/8 "	.5 to 10.6	2 to 40	Remote
VM4-B-18H-R	Brass	1/2 "	.3 to 4	1 to 18	Remote
VM4-B-40H-R	Brass	1/2 "	.5 to 10.6	2 to 40	Remote
VM4-N-18H-R	Nylon	1/2 "	.3 to 4	1 to 18	Remote
VM4-N-40H-R	Nylon	1/2 "	.5 to 10.6	2 to 40	Remote
VM6-AL-100H-R	Aluminum	3/4 "	1.3 to 26.4	5 to 100	Remote
VM6-SS-100H-R	Stainless Steel	3/4 "	1.3 to 26.4	5 to 100	Remote
VM8-AL-100H-R	Aluminum	1 "	1.3 to 26.4	5 to 100	Remote
VM8-AL-200H-R	Aluminum	1 "	2.6 to 52.8	10 to 200	Remote
VM8-SS-100H-R	Stainless Steel	1 "	1.3 to 26.4	5 to 100	Remote
VM8-SS-200H-R	Stainless Steel	1 "	2.6 to 52.8	10 to 200	Remote