



Flowmeter Selection Guide LIQUID APPLICATIONS

PRODUCT FAMILY	Technology	Product Series	Clean	Dirty ¹	Corrosive	Viscous	Slurries	Cryogenic	Non-Electrically Conductive ²	Mass Flow Metering	Thermal Energy Metering (BTU) ³	Bidirectional Flow Metering	Non-disruptive Installation ⁴
Pro-V® <ul style="list-style-type: none"> Multivariable Vortex Inline and Insertion models Compensated mass flow Rugged design, no moving parts Thermal energy (BTU) metering 	Inline Vortex	M22	✓	✓	⓪	⓪	⓪	✓	✓	✓	✓	✗	✗
	Insertion Vortex	M23	✓	✓	⓪	⓪	⓪	✓	✓	✓	✓	✗	✓ (Hot Tap Model)
	Inline Vortex	M24	✓	✓	⓪	⓪	⓪	✓	✓	✓	✓	✗	✗
Turbo Pro® <ul style="list-style-type: none"> Multivariable insertion turbine Low flow metering 	Insertion Turbine	Pro-T	✓	✓	⓪	⓪	⓪	⓪	✓	✓	✓	✗	✓ (Hot Tap Model)
VorCone® <ul style="list-style-type: none"> Measures fluid density, volumetric flow rate, and mass flow rate 	Hybrid Vortex & Cone DP	MVC	✓	✓	⓪	⓪	⓪	⓪	✓	✓	✓	✗	✗
SonoPro® <ul style="list-style-type: none"> Transit-time ultrasonic Insertion and clamp-on transducer options Non-invasive installation on clamp-on models Fixed mount & portable models No wetted or moving parts on clamp-on models Bi-directional flow measurement No pressure drop with clamp-on models Thermal energy (BTU) metering 	Fixed Mount Ultrasonic	U43	✓ (Water Only)	✓ (Water Only)	✓ (Water Only)	✗	✗	✗	✓	✗	✓ (Water Only)	✓	✓
	Fixed Mount Ultrasonic	U42	✓	✓	✓	⓪	✗	✗	✓	✗	✓	✓	✓
	Fixed Mount Ultrasonic	S36	✓	✓	✓	⓪	✗	✗	✓	✓	✓	✓	✓
	Portable Ultrasonic	U44	✓	✓	✓	⓪	✗	✗	✓	✗	✓	✓	✓
	Portable Ultrasonic	S34	✓	✓	✓	⓪	✗	✗	✓	✓	✓	✓	✓
Pro-M™ <ul style="list-style-type: none"> Volumetric flow metering of conductive liquids Rugged design, no moving parts 	Electromagnetic	Pro-M	✓	✓	⓪	✓	✓	✗	✗	✗	✓	✓	✗

LEGEND



Suitable



Not Suitable



Application Dependent (Consult Factory)

(303) 682-9999

info@vortekinst.com

www.vortekinst.com

¹ Small amounts of particulate. ² Electrical conductivity of less than 20 µs/cm. ³ Only applicable for water & thermal oils. ⁴ Process shutdown not required for installation.



Flowmeter Selection Guide STEAM & GAS APPLICATIONS

PRODUCT FAMILY	Technology	Product Series	Clean	Dirty ¹	Mass Flow Metering	Thermal Energy Metering (BTU) ²	Saturated Steam	Super Heated Steam	Wet Steam Metering & Steam Quality Measurement ³	Wet Gas Metering & Liquid Loading Measurement ⁴	Expanded Low-Flow Measuring Range	Non-disruptive Installation ⁵
Pro-V® <ul style="list-style-type: none"> Multivariable Vortex Inline and Insertion models Compensated mass flow Rugged design, no moving parts Thermal energy (BTU) metering 	Inline Vortex	M22	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗
	Insertion Vortex	M23	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓ (Hot Tap Model)
	Inline Vortex	M24	✓	✓	✓	✓	✓	✓	✗	✗	✓ (Reduced Bore Model)	✗
Turbo Pro® <ul style="list-style-type: none"> Multivariable insertion turbine Low flow metering 	Insertion Turbine	Pro-T	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓ (Hot Tap Model)
VorCone® <ul style="list-style-type: none"> Wet steam metering & steam quality measurement Wet gas metering & liquid loading measurement 	Hybrid Vortex & Cone DP	MVC	✓	✓	✓	✓	✓	✓	✓	ⓘ	✓ (Reduced Bore Model)	✗

LEGEND

✓ Suitable

✗ Not Suitable

ⓘ Application Dependent (Consult Factory)

¹ Small amounts of moisture/particulate.

² Only applicable for steam.

³ Steam/condensate mixture. Steam quality measurement also known as dryness fraction.

⁴ Gas/liquid mixture.

⁵ Process shutdown not required for installation.

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