



max
Precision Flow Meters

Max P-Series Piston Flow Meters measure the lowest flow rates in the industry.

The Max P-Series Piston Meters provide ultra-precise measurement for your lowest flow rate applications. Accuracy, resolution and response rate normally associated with laboratory measurement devices comes in a convenient to use, rugged, industrial-grade sensor.

Max Piston Meters have always been the preferred choice for low flow applications. Compare our guaranteed $\pm 0.2\%$ of reading specification and 2000:1 operating ranges against any other flow meter. Flow rates below 1 cc/min and fluid viscosities from 0.5 to 10,000 cps are all in a day's work for these high performance meters.



Model P001

Model: P001

Flow Range: 0.005 to 200 cc/min (0.05 gpm)

Resolution: 12,000 pulses/cc

Port Size: 1/4" or 6mm tube fitting

Pressure Rating: 500 bar (7250 psi)



Model P002

Model: P213

Flow Range: 1 to 1800 cc/min (0.48 gpm)

Resolution: 1000 pulses/cc

Port Size: 1/8" NPT, #4 SAE

Pressure Rating: 210 bar (3000 psi)



Model P213

Model: P002

Flow Range: 1 to 2000 cc/min (0.53 gpm)

Resolution: 1000 pulses/cc

Port Size: #4 SAE

Pressure Rating: 500 bar (7250 psi)



Model P215

Model: P214

Flow Range: 10 to 10,000 cc/min (2.64 gpm)

Resolution: 90 pulses/cc

Port Size: 3/8" NPT, #6 SAE

Pressure Rating: 210 bar (3000 psi)



Model P214

Model: P215

Flow Range: 0.07 to 35 L/min (9.25 gpm)

Resolution: 20,000 pulses/L

Port Size: 1/2" NPT, #8 SAE

Pressure Rating: 210 bar (3000 psi)

Transmitter output signals available: Frequency, 2 phase quadrature, current sinking, $\pm 10V$ or $\pm 20mA$ in either industrial enclosures or ATEX/UL/cUL approved housings. Unidirectional and bi-directional outputs and calibrations also available.

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Max G-Series Gear Flow Meters deliver accuracy and resolution beyond the competition.

No other gear meter offers the resolution, accuracy and operating range that comes standard on every Max G-Series. Max offers the industry's highest resolution output signal and bi-directional measurement capabilities. Superior mechanical performance delivers significantly lower pressure drop versus the competition.

An unchallenged accuracy specification of $\pm 0.3\%$ of reading over a 100:1 turndown and a total operating range of over 200:1 elevates the G-Series to a performance level long desired by metrology professionals. Economical and versatile, these meters are ideal for viscosities from 5 to 10,000 cps



Model G004

Model: G004

Flow Range: 0.015 to 4 L/min (1.05 gpm)

Resolution: 500 pulses/cc

Port Size: 1/8" NPT, #4 SAE

Pressure Rating: 414 bar (6000 psi)



Model G045

Model: G015

Flow Range: 0.075 to 15 L/min (3.96 gpm)

Resolution: 200 pulses/cc

Port Size: 3/8" NPT, #6 SAE

Pressure Rating: 414 bar (6000 psi)



Model G015

Model: G045

Flow Range: 0.2 to 45 L/min (11.9 gpm)

Resolution: 70,000 pulses/L

Port Size: 1/2" NPT, #8 SAE

Pressure Rating: 414 bar (6000 psi)

Model: G105

Flow Range: 0.45 to 105 L/min (27.7 gpm)

Resolution: 25,000 pulses/L

Port Size: 3/4" NPT, #10 SAE

Pressure Rating: 414 bar (6000 psi)



Model G105

Model: G240

Flow Range: 1.2 to 240 L/min (63.4 gpm)

Resolution: 7,000 pulses/L

Port Size: 1" NPT, #16 SAE

Pressure Rating: 414 bar (6000 psi - SAE Ports),
275 bar (4000 psi - NPT Ports)



Model G240

Transmitter output signals available: Frequency, 2 phase quadrature, current sinking, $\pm 10V$ or $\pm 20mA$ in either industrial enclosures or ATEX/UL/cUL approved housings. Unidirectional and bi-directional outputs and calibrations also available.

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Max H-Series Helical Flow Meters measure high viscosity fluids with ease.

Flow measurement of high viscosity fluids is often limited by the high pressure drop that a flow meter adds to the system. However, switching to a larger meter to reduce this pressure loss will result in a corresponding reduction in the resolution of the meter. To give you the resolution you need, without a process crippling pressure loss, Max developed the H-Series Helical Meters.

The H-Series use a progressive cavity rotor to perform the positive displacement measurement with an accuracy specification of $\pm 0.2\%$ of reading over a 50:1 turndown. The in-line metering elements (rotors) turn smoothly with the flow and greatly reduce the pressure loss. By reducing the pressure loss of the meter, a smaller, faster-spinning meter can be used to generate a high resolution signal, even when fluid viscosities approach 1,000,000 cps.



Model H241

Model: H241

Flow Range: 2 to 189 L/min (50 gpm)

Resolution: 15,000 pulses/L

Port Size: 1-1/2" NPT, 1-1/2" (DN40) ANSI Flange

Pressure Rating: 35 bar (500 psi), 245 bar (3500 psi)

Model: H242

Flow Range: 5 to 500 L/min (132 gpm)

Resolution: 5000 pulses/L

Port Size: 2-1/2" NPT, 2-1/2" (DN65) ANSI Flange

Pressure Rating: 35 bar (500 psi), 245 bar (3500 psi)

Transmitter output signals available: Frequency, 2 phase quadrature, current sinking, $\pm 10V$ or $\pm 20mA$ in either industrial enclosures or ATEX/UL/cUL approved housings. Unidirectional and bi-directional outputs and calibrations also available.



Model H242

We give our customers the confidence to
measure difficult flow applications by
providing trustworthy advice, precision flow
meters and unbeatable support.

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