

A1 LOW FLOW METER



FOR LOW FLOW APPLICATIONS 0.3 - 3 GPM (1-11 L/MIN)

FLOMEC® A1 low flow series is a great choice for 0.3 - 3 GPM (1 to 11 L/min)* measurement for pesticides, herbicides, fertilizers, thin petroleum-based fluids and other mild chemicals. Flow meters are offered in aluminum or nylon bodies as an excellent, cost-effective solution. Paddlewheel technology provides accurate flow rate by measuring the rotational speed of the wheel.

1 INCH / NPT (FEMALE)

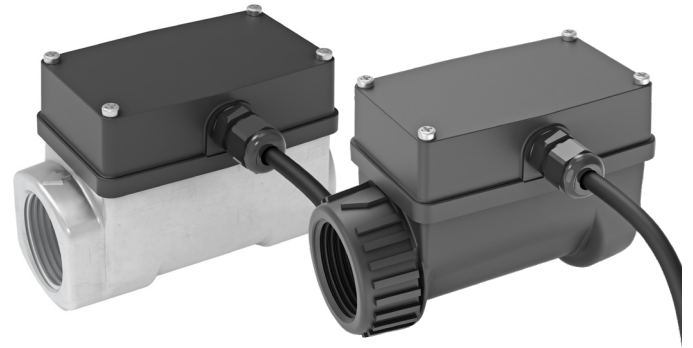
A1A-10-N-L-Q - WITH Q9 DISPLAY (ALUMINUM BODY)

A1N-10-N-L-Q - WITH Q9 DISPLAY (NYLON BODY)

1 INCH / NPT (FEMALE)

A1A-10-N-L-P - WITH Q9 CONDITIONED SIGNAL OUTPUT (ALUMINUM BODY)

A1N-10-N-L-P - WITH Q9 CONDITIONED SIGNAL OUTPUT (NYLON BODY)



FEATURES & BENEFITS

A1 Paddlewheel with Q9 Display

- Intrinsically safe for use in hazardous areas.†
- Unique package combines Paddlewheel and LCD display into a self-contained, compact, economical flow meter
- Local Display Computer features: 2 Non-Volatile Totals (Batch Total = Resettable, Total = Non-resettable) and Rate of Flow
- Optional pulse output or 4-20mA output module for communication with process control equipment
- 12 selectable engineering units (gallons or liters are standard defaults)
- Factory calibration
- AAA Alkaline battery life: 2 years
- Remote display mounting kit available as an option.

A1 Paddlewheel with Conditioned Signal Output Module (Blind)

- Provides an NPN Open Collector pulse that can communicate with most process control devices
- External 9 to 35 V (dc), approximately 1mA
- 10 ft. (3 m) 3-wire with strain relief
- Factory calibration

†If the flow meter includes any modules (4-20mA and Pulse Out) that introduces external power, then all intrinsic safety approvals are voided.

*Accuracy can vary up to $\pm 5\%$ depending on installation and fluid type. Field calibration is recommended for best accuracy.

Conditioned signal module is not FM approved.

Wichita · Sydney

GREAT PLAINS INDUSTRIES



A1 LOW FLOW METER



MODELS

A1 Aluminum

A1Q9GMA025NA1	1" (25 mm) NPT aluminum low flow (default to gallons) with Q9 display
A1Q9LMA025IA1	1" (25 mm) ISO aluminum low flow (default to liters) with Q9 display
A1POXXA025NC2	1" (25 mm) NPT aluminum low flow with conditioned signal output module (blind)
A1POXXA025IC2	1" (25 mm) ISO aluminum low flow with conditioned signal output module (blind)

A1 Nylon

A1Q9GMN025NA1	1" (25 mm) NPT nylon low flow (default to gallons) with Q9 display
A1Q9LMN025IA1	1" (25 mm) ISO nylon low flow (default to liters) with Q9 display
A1POXXN025NC2	1" (25 mm) NPT nylon low flow with conditioned signal output module (blind)
A1POXXN025IC2	1" (25 mm) ISO nylon low flow with conditioned signal output module (blind)

APPLICATIONS

Aluminum flow meters are suitable for measuring thin, petroleum-based fluids in batching and blending.

Nylon flow meters are used with water, mild chemicals, and solvents batching and blending applications.

Combine 4-20mA module with flow meter and display to provide an industry-standard input signals for connection to a wide variety of chart recorders, display equipment, and process control equipment.

OPTIONAL - 4-20mA OUTPUT MODULE - SKU # 125100-10



Combine the FLOMEC® 4-20mA Module with a turbine flow meter and display electronics to provide an industry-standard analog signal for connection to a wide variety of chart recorders, display equipment, and process control equipment. This module outputs an analog signal which is directly proportional to the frequency of the digital output. With some simple adjustments, you can scale the module to represent whatever range is desired.

The module installs between the turbine flow meter and Q9 display. Circuit assembly, enclosure, screws, and 10 feet of cable are included in the kit. This module requires an input power of 8-32 volts DC (24 VDC is recommended).

NOTE: This module is not FM Approved. Therefore, using this module with an approved metering system voids FM Approval.

APPROVALS / WARRANTY



IP65

