APPLICATION BRIEF

PORTABLE SPRAYER APPLICATION

April 1, 2025

PROJECT OVERVIEW

When applying liquid chemicals or solvents using a portable sprayer, it is essential to know the amount of liquid being sprayed so that you don't over- or under-apply the chemical. Insufficient amounts of chemicals can result in ineffective application and waste. Over-applying chemicals can not only waste chemicals but also result in costly damage, as well as other unintended consequences. By measuring the chemicals, you can ensure that you only apply the necessary amount to complete the task, thereby saving precious liquids and avoiding costly damage.

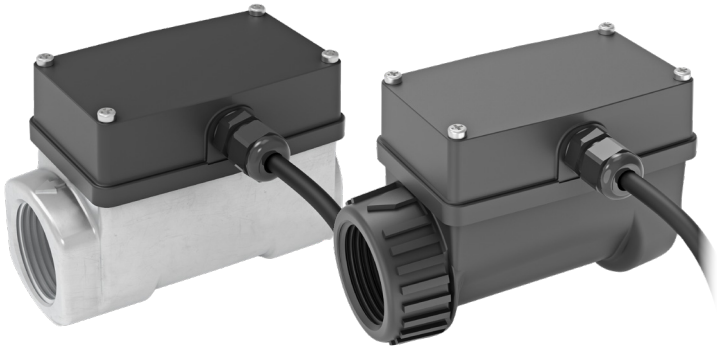
PRODUCT SPECIFICATIONS

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.

†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 ± 5% depending on installation and fluid type. Field calibration is recommended for best accuracy.*

PRODUCT SPECIFICATIONS CONTINUED



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

Conditioned signal module is not FM approved.

PRODUCT SOLUTION

FLOMEC® low-flow A1 impeller flow meters are ideal for portable spraying applications involving pesticides, herbicides, fertilizers, thin petroleum-based fluids and solvents, as well as other mild and water-based chemicals. These applications typically have low flow requirements, 3 GPM or less. FLOMEC® low-flow A1 impeller flow meters can accurately and economically measure these low flows, 0.3-3 GPM (1-11 LPM).

FLOMEC® low-flow A1 impeller flow meters come with or without a local display as well as with or without outputs to communicate to other equipment.