



Quick Start Guide



S6A

SONIC-PRO[®] Chemical Feed Flow Meter

IMPORTANT

Safety instructions



CAUTION

Follow these instructions before installing your flow meter to avoid failure.



CAUTION

The S6A is designed to be installed and operated by qualified personnel only. Please note that warranty coverage does not include damage due to misuse or improper installation.



CAUTION

Always wear eye protection when installing or removing flow meters.



CAUTION

Confirm chemicals being used with S6A flow meter are compatible with wetted components of the flow meter.



PRESSURE

Do not exceed maximum pressure. High pressure and temperature will damage the meter.

PRE-INSTALLATION

Before you begin

In the Box

- S6A Chemical feed flow meter
- Meter Body Connection Fittings
- 3/16" Hex Key
- Flash Drive(Operating Manual and Blue-Central®)
- USB-A to USB-C Connector
- Power Supply(User configurable)
- Quick Start Guide

Tools Needed

1/32" Mesh strainer

Planning

Mounts and supports must be sturdy enough to support the plumbing and prevent vibration. Vibration and heavy loads will damage the meter.

Wiring

To access the wiring terminal, open the enclosure by removing the four screws with the provided 3/16" hex key. The meter must be powered by 5 volts DC. Wattage must not exceed 5 watts. 20-24 AWG(American Wire Gauge) shielded cable is recommended for signal output connections.

The S6A wiring compartment is equipped with two communications cable liquid-tight cable gland grommets for cable diameters from .190 to .205 inches. Refer to page 21, section 11 of the provided Operating Manual for details.

Maintenance

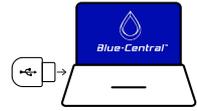
When the S6A Flow meter is removed from the system or an empty pipe condition causes the meter to dry out, always flush the meter with water before reinstalling.

INSTALLATION

Step-By-Step

1 Install Blue-Central®

Blue-Central® is Blue-White's proprietary software application that allows the user to update firmware and view the meter's device details. To configure the S6A, Blue-Central® must be installed and running on a desktop or laptop computer. Insert the provided USB Flash Drive, and open the .exe file to install and run the Blue-Central® application.



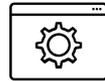
2 Connect

Connect the meter to the desktop or laptop computer with the provided USB to USB-C cable. The meter will appear on the Blue-Central® dashboard (may take up to 30 seconds).



3 Configure

It is suggested that the user configures its operating parameter in advance. The meter will work without performing a configuration, however, the default settings may not be adequate for the required application. For assistance in configuring the meter, refer to the provided Operating Manual (page 7, section 6.0) located on the USB.



4 Install in an upward direction

The flow meter must be installed in a vertical plane with fluid flowing in an upward direction to ensure accuracy. To reduce large particles and bubbles that can reduce signal quality, it is recommended that a 1/32" mesh strainer is installed at the inlet of the meter. Ensure all o-rings are in place and properly seated.



5 Calibrate

After installation, and the MS-6 can be calibrated and fine-tuned to provide the best accuracy for your dosing rate. With solution running through the flowmeter, re-connect to the computer with Blue-Central®, and perform a Digital Drawdown. Follow directions in Section 9.0 of the Operating Manual for best results.

Digital drawdown



WARRANTY

Information

LIMITED WARRANTY

Your Blue-White product is a quality product and is warranted for a specific time from the date of purchase (proof of purchase is required). The product will be repaired or replaced at our discretion. Failure must have occurred due to a defect in material or workmanship and not as a result of the operation of the product other than in normal operation as defined in the product manual. Warranty status is determined by the product's serial label and the sales invoice or receipt. The serial label must be on the product and legible. The warranty status of the product will be verified by Blue-White or a factory-authorized service center.

S6A are warranted for 2 years from the date of purchase.

WHAT IS NOT COVERED

- Freight to the factory, or service center.
- Products that have been tampered with, or in pieces.
- Damage resulting from misuse, carelessness such as chemical spills on the enclosure, abuse, lack of maintenance, or alteration which is out of our control.
- Damage by faulty wiring, power surges, or acts of nature.
- Damage that occurs as a result of: meter misalignment, improper installation, over tightening, use of non-recommended chemicals, use of non-recommended adhesives or pipe dopes, excessive heat or pressure, or allowing the meter to support the weight of related piping.

BLUE-WHITE does not assume responsibility for any loss, damage, or expense directly or indirectly related to or arising out of the use of its products. Failure must have occurred due to a defect in material or workmanship and not as a result of the operation of the product other than in normal operation as defined in the manual.

Warranty status is determined by the product's serial label and the sales invoice or receipt. The serial label must be on the product and legible. The warranty status will be verified by Blue-White or a factory-authorized service center.

PROCEDURE FOR IN-WARRANTY REPAIR

Warranty service must be performed by the factory or an authorized service center. Contact the factory or local repair center to obtain a RMA (Return Material Authorization) number. It is recommended to include a foot strainer and injection/check valve fitting since these devices may be clogged and part of the problem. Decontaminate, dry, and carefully pack the product to be repaired. Please enclose a brief description of the problem and proof of purchase. Prepay all shipping and insurance costs. COD shipments will not be accepted. Damage caused by improper packaging is the responsibility of the sender. When In-Warranty repair is completed, the factory pays for return shipping to the dealer or customer.

P.N. #80000-595 S6A QSG REV 9 20220725



ISO 9001:2015
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MADE IN THE
USA

Have Questions?

Contact us

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