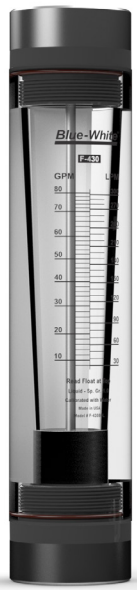
Blue-White®

Quick Start Guide



Acrylic

Variable Area Flow Meters

F-400 F-430
F-410 F-550
F-420

IMPORTANT
Safety instructions

CAUTION

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

CAUTION

Always wear eye protection when installing or removing flow meters.

LOCATION

Meters are suitable for indoor and outdoor use.

PRESSURE

Do not exceed maximum pressure. High pressure and temperature will damage the meter. Reference manuals for maximum values.

PRE-INSTALLATION
Before you begin

In the Box

Flow meter
Quick start guide

Tools Needed

PTFE Tape

Compatibility

Ensure the piping is either straight vertical SCH 40 or SCH 80.

Planning

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

Suitability

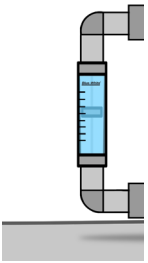
It is the responsibility of the user to determine the suitability of the flow meter in their application. Flow meters are tested and calibrated for water only.

INSTALLATION
Step-By-Step

1 Prepare

The flow meter must be installed in a vertical plane to ensure accuracy. Misalignment may damage the flow meter and also cause the oring seals to leak.

*Minimum acceptable dimensions

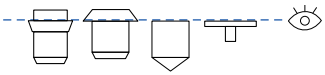


2 Install

Use only PTFE tape on the threaded adapters. Pipe dope and glue will damage the polysulfone meter body and fittings. Alternatively, install the flow meter after all glued fittings have dried and fumes have been purged from the system.

3 Read

Avoid imposing a sudden burst of flow to the meter. Solenoid valves may cause the float to impact the top float stop with destructive force. Read float at the top or at the widest diameter.



Different types of float

CARING
For your flow meters

Cleaning

The tapered tube may be cleaned with a soft bottle brush. Use a MILD soap and water solution for cleaning purposes. Note the floats “up” position for re-assembly.

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.

Variable Area and Digital Flow meters are warranted for 1 year from the date of purchase (proof of purchase is required). The flow meter will be repaired or replaced at our discretion.

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. #80000-702 QSG REV 1 20260507

ISO 9001:2015 CERTIFIED

MADE IN THE USA

Have Questions?
Contact us

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