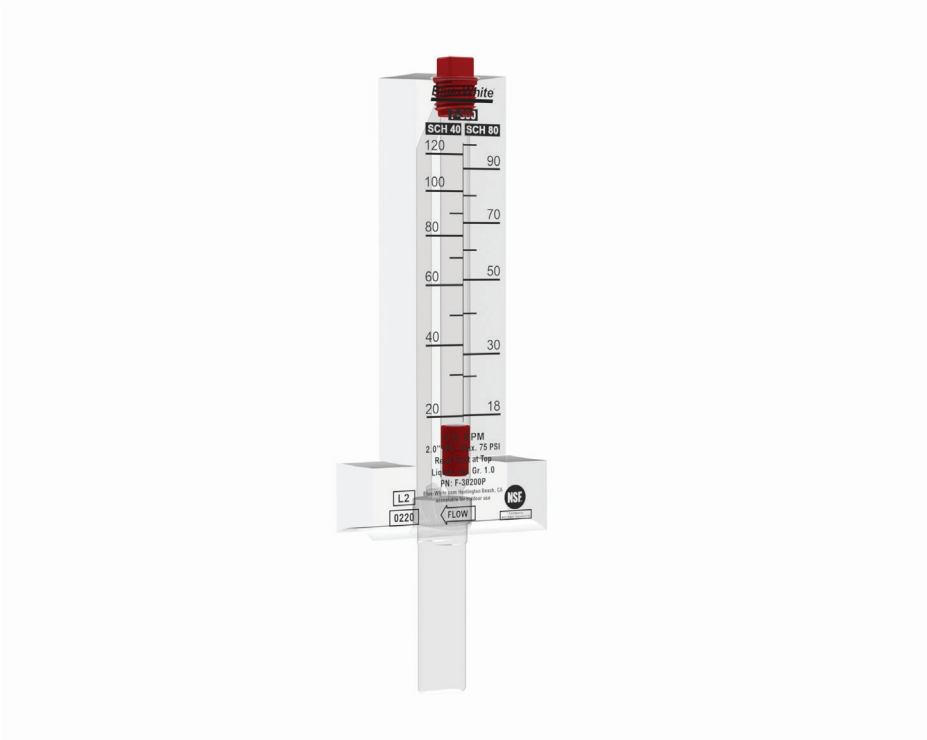


# Quick Start Guide

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## F-300

Acrylic Variable Area  
Flow Meters

F-300  
D-300  
U-300

# IMPORTANT

## Safety instructions

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### 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 50 PSI (5.17 bar). High pressure and temperature will damage the meter.

## PRE-INSTALLATION

### Before you begin

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### In the Box

Flow meter  
Rubber gasket  
Clamp x2  
Quick start guide

### Compatibility

Ensure the piping is either straight horizontal or 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.

### Tools Needed

Drill  
Drill bit 5/8" (1"–4" flow meter)  
Drill bit 3/4" (6"–8" flow meter)  
Drill bit 1/4" (Optional pilot hole)  
Fine sandpaper (Optional)  
Felt pen  
Tape measure  
Flathead screwdriver

### 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

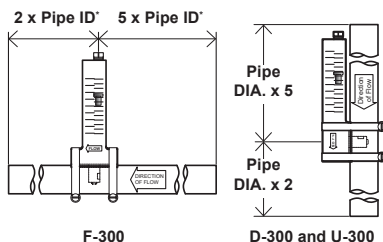


Video instruction

### 1 Prepare

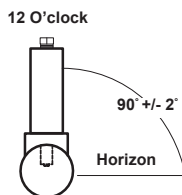
To prevent debris from entering the meter, install the flow meter downstream from the filter if possible with at least the minimum straight pipe dimensions.

\*Minimum acceptable dimensions



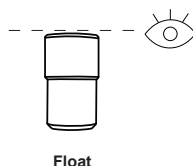
### 2 Install

Drill the pitot tube hole in the top (12 O'clock position) of the horizontal pipe or anywhere around vertical pipe. Carefully remove all burrs. Insert the pitot tube, with the gasket in place, into the drilled hole. Ensure the flow direction is in the same direction of the flow arrow. Tighten the clamps alternately, a little at a time.



### 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. Always read float at top.



## CARING

### For your flow meters

#### Troubleshooting

Should the meter fail to read, ensure the openings in the front and rear of the pitot tube are not clogged, that the pitot tube opening faces the direction of the flow.

#### 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

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### 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.

F-300 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. #80000-700 F-300 QSG REV 1 20230719



**ISO 9001:2015  
CERTIFIED**



**MADE IN THE  
USA**

## Have Questions?

Contact us

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