

Area Meters, Low Flow Glass and Plastic Tube (Purgemeters).  
 it at [www.BrooksInstrument.com/Manuals](http://www.BrooksInstrument.com/Manuals) and click on "Variable  
 For your product's complete instruction manual, please download  
 shipments to reduce our paper consumption.  
 In an effort to be more eco-friendly, Brooks is no longer  
 supplying printed instruction manuals with the product  
 • 1350 Sho-Rate™ • 1355 Sho-Rate™  
 • K1350-55 Kynar Construction Sho-Rate™  
 • 1358 Sho-Rate™ • 2001 Brooks-Mite™  
 • 1250 Sho-Rate™ • 1255 Sho-Rate™ • 2500 Series

This Quick Start Guide applies to the following Brooks products:

Sincerely,  
 Brooks Instrument

Dear Customer,  
 Thank you for your purchase. We appreciate this opportunity to service your  
 flow measurement and control needs with a Brooks Instrument device. Brooks  
 award-winning meters and controllers consistently rank at the top of their  
 category for accuracy, reliability and user preference, as judged by the  
 audience that matters - real users of flow instrumentation, like you.  
 But Brooks' products are only half of the story. You are backed by Brooks'  
 unsurpassed local technical expertise in virtually every corner of the planet.  
 Your local Brooks product and application specialist is truly your "partner in  
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 solutions for your flow measurement or control needs and offer years of  
 experience solving application problems just like yours.  
 Should you require any additional information concerning Brooks' products  
 and services, please contact your local Brooks Sales and Service office listed  
 on the back cover of this guide.

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X-VA-Purge-QS-eng (0614)  
 PN: 541B131AAG/D  
 Reference: 834Z986

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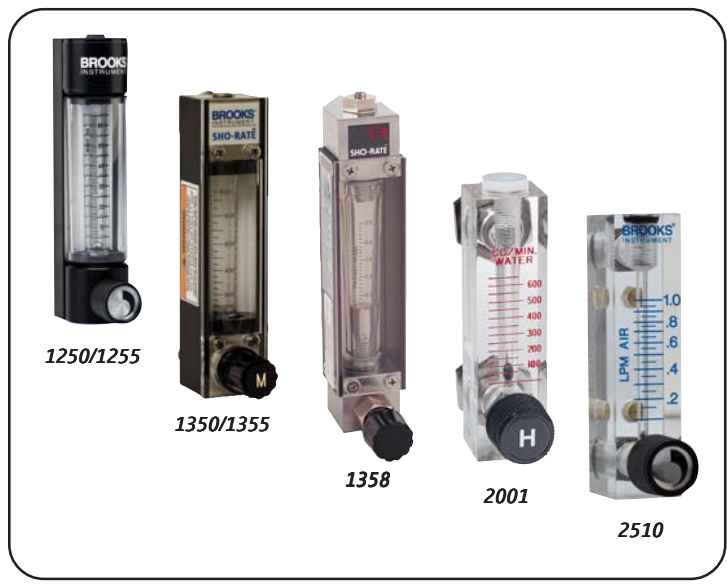
**CAUTION**  
 Care must be taken in the system plumbing to this instrument to  
 prevent sudden excessive pressure or flow surges. Protective  
 devices should be installed upstream from this instrument, such  
 as flow controllers, pressure regulators, pressure snubbers and  
 rupture discs.  
 If this instrument contains electronic components it is  
 susceptible to damage by static electricity. Proper handling  
 procedures must be observed during the removal, installation  
 or other handling of the circuit boards or devices.  
 If this instrument contains electronic components consult the  
 complete instruction manual for proper wiring.

**WARNING**  
 Do not operate this equipment in excess of the specifications  
 listed on the meter. Failure to heed this warning can result in  
 serious personal injury and/or damage to the equipment.  
 If the inlet and outlet valves adjacent to the flowmeter are to be  
 closed for any reason, the flowmeter must be completely  
 drained. Failure to do so may result in thermal expansion of the  
 liquid which can cause rupture of the meter and possible  
 personal injury.  
 Read this page before proceeding!

**Quick Start Guide**

**Low Flow Glass and Plastic Tube (Purgemeters)**

**Variable Area Purgemeters**



## Installation (See Figure 1)

- The flowmeter should be mounted within 6° of true vertical.
- The inlet connection to the flowmeter is in the bottom end fitting.
- Be sure the piping is adequately supported to prevent undue strain on the meter.

### Pressure Equipment Directive (97/23/EC)

Note: Equipment falls under Sound Engineering Practice (SEP) according to the directive.

## Installation

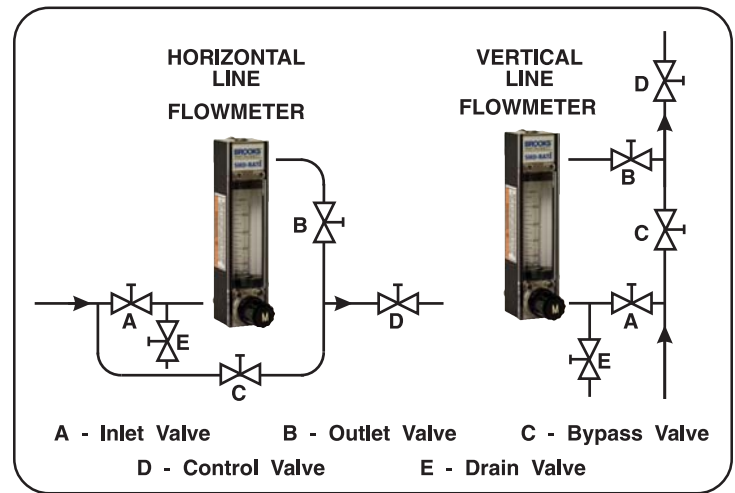


Figure 1 Typical Flowmeter Installation

It is recommended that a final leak test of the system plumbing and the meter be performed before subjecting it to the process fluid.

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## Installation

After the flowmeter has been installed in the flow system, it is ready for operation. An optional built-in needle control valve may be provided to control the flow through the flowmeter. These control valves are designed for control. Excessive tightening may damage the valve seat and limit its effectiveness as a control valve. If tight shut-off is required, it is recommended that a separate shut-off valve is installed in the process line immediately before the flowmeter.

Flow indication is measured using the center of the spherical float as the reference point.

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## Equipment Receipt and Return Procedures

### Receipt of Equipment

If the packing case is damaged, the local carrier should be notified at once regarding their liability. Carefully remove the equipment from the packing case and inspect for damage or missing parts. If damaged, please contact Brooks Instrument at one of the locations listed on the back of this Quick Start Guide.

### Return Shipment

Please note that prior to returning any instrument to the factory Brooks Instrument requires the completion of Form RPR003-1, a Brooks Instrument Decontamination Statement, as well as a Materials Safety Data Sheet (MSDS) for fluid(s) used in the instrument. Copies of these forms can be found online at [BrooksInstrument.com>Returns](http://BrooksInstrument.com>Returns) along with complete details on how to process your return shipment or you can contact your nearest Brooks location for the necessary forms and instruction.

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