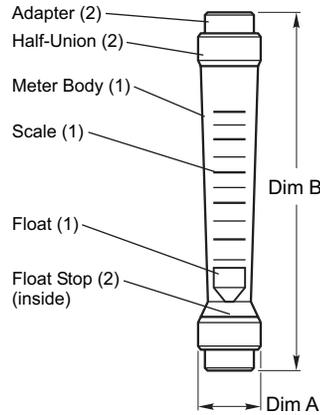


Installation Instructions 6B05 and 6B06 (ultra pure)

Specifications

Meter Body: Polysulfone, natural
Floats Stops: Polysulfone, natural
Floats: PTFE
Adapters: PVDF or PVC*
O-Rings: Viton®
Half-Union: Anodized aluminum, optional PVC
Scale: Permanent dual scale silkscreen
Maximum Pressure: 150 PSIG / 10.34 BAR at ambient temperature
Maximum Temperature:
See reverse side for Temperature Vs. Pressure graph
Dimensions: (refer to drawing on right):
6B05 (1/2" and 3/4" female NPT)
Dim A = 1.75" (4.45 cm)
Dim B = 10" (25.4 cm)
6B06 (1" female NPT)
Dim A = 2.75" (6.99 cm)
Dim B = 15" (38.1 cm)

* PVC has a temperature limit of 130°F / 54.4°C



Your Dakota Ultra Pure In-Line Flowmeter

Your Dakota flow meter was designed to be easy to install.
Please read the following instructions before installing your flow meter.
This flow meter is an instrument, and special care should be taken while installing.

Installation

Please use the following steps to guide you through the installation.

STEP 1. Unpack the flow meter.

Check for damage while unpacking the flow meter.
Make sure pressure, temperature, fluid and other requirements are compatible with the meter.

STEP 2. Choose a suitable location for the flow meter.

Never allow the flow meter to support the weight of related pipe or tubing.
Flow meter must be installed in plumbing which is free of vibration.
Flow meter must be installed in an exact vertical plane to ensure accuracy.
The meter body is constructed of polysulfone. Polysulfone has a high chemical resistance**, but a low UV tolerance. Keep meter away from direct sunlight.
Be certain the meter is properly aligned with existing plumbing. Misalignment may result in damage to the flow meter.

STEP 3. Connecting the flow meter to the plumbing.

Use an appropriate amount of PTFE (or similar) tape on external pipe threads before making connections.
See installation guideline on the back of this instruction sheet.

** Flow meters are tested and calibrated for water or air only.
Although meters may be suitable for other chemicals, Dakota cannot guarantee their suitability.

Website: <http://dakotainstruments.com>
E-mail: info@dakotainstruments.com
Toll Free USA and Canada: 1(800) 879-7713
Tel. 1+(845) 770-3200 Fax. 1+(845) 770-3210

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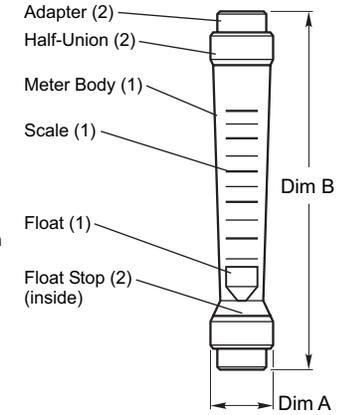
20 Corporate Drive
Orangeburg NY 10962 USA

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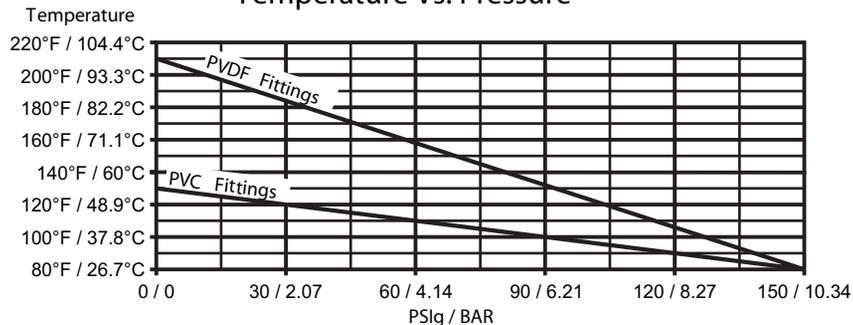
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Temperature Vs. Pressure



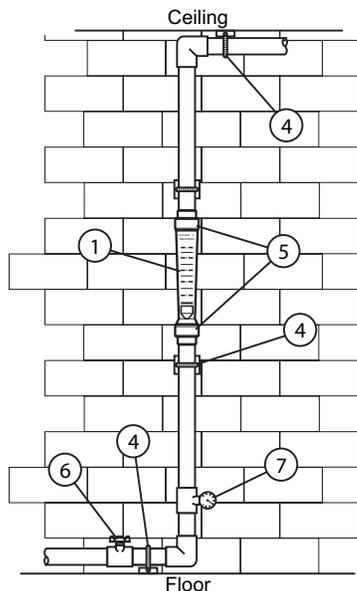
Note: Pressure and temperature limits are inversely proportional.

Pressure and Temperature

Pressure and temperature limits are inversely proportional. At the maximum suggested pressure the temperature should approach 80°F / 26.7°C; at the maximum suggested temperature the pressure should approach zero (0) psi. We cannot guarantee our flow meters will not be damaged either at or below the suggested limits simply because of many factors which influence meter integrity; stress resulting from meter misalignment, damage due to excessive vibration and/or deterioration caused by contact with certain chemicals as well as direct sunlight. These situations and others tend to reduce the strength of the materials from which the meters are manufactured.

Cleaning: The flow meter body and all other parts can be cleaned by washing in a mild soap and water solution. A soft bristle bottle brush will simplify cleaning inside the meter body.

Installation Guideline



Caution: Follow These Tips to avoid Failure

Danger: Wear eye protection when installing or removing flow meter.

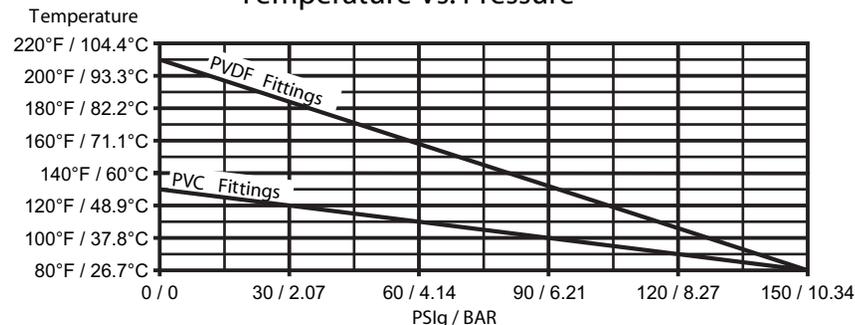
1. Polysulfone and other exotic plastics cannot tolerate PVC Glue and/or pipe dope. Even fumes can cause crazing.
2. If you are installing your flowmeter to a glued pipe configuration, install flowmeter after all glued fittings are dried and lines are purged of all fumes.
3. Use PTFE tape (or similar) for the flow meters threaded adapters.
4. Wall, floor and ceiling mounts are to be carefully aligned and sturdy. Wall, floor and ceiling supports are recommended as needed.
5. Hand tighten union nuts. No wrenches.
6. Valves - Avoid a system that will impose a sudden burst of flow to the meter. Such a burst will cause the float to impact the float stop with destructive force. Magnet, solenoid, or other quick opening valves cannot be used unless meter is protected against sudden bursts of flow.
7. Maximum working pressure not to exceed 150 psi at ambient temperature.

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Temperature Vs. Pressure



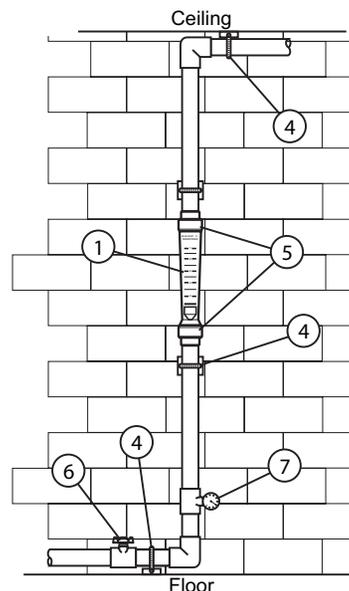
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