

+GF+

Tech Tip

GF Piping Systems2882 Dow Avenue, Tustin, CA 92780-7258 • Tel. (714) 731-8800 / (800) 854-4090, Fax (714) 731-6201
e-mail: us.ps@georgfischer.com • www.gfpiping.com**Date: August 21, 2009****Issue: V02/09**

How to Read a Rotameter

Operation and Specifications of GF Rotameters

Operation

The weighted float is raised by the fluid flowing upwards through the tapered tube. The float is raised to the point at which the lifting force is in equilibrium with the weight of the float. The level to which the float is raised is determined by the rate of flow of the fluid. The flow rate is read on the external scale corresponding to the top of the float inside the tube.

Specifications**Accuracy**

3% of full scale

1% of measured range in accordance with accuracy standard VDE/VDI 3513, sheet 2, accuracy class 4

Pressure

Rated pressure 150 psi @ 68°F / 10 bar @ 20°C

Temperature

PA and PSU with PC ends: 32°F to 140°F / 0°C to 60°C

PSU with PP ends: 32°F to 194°F / 0°C to 90°C

PSU with PVDF ends: 32°F to 212°F / 0°C to 100°C

Tubes

Polysulphone (PSU), Polyamide (PA)

Flow Ranges

0.11 to 132 GPM / 25 to 30,000 LPH

Floats

PVDF standard float

PVDF magnetic float (for use with limit switches)

Ends

3/8" to 2 1/2" PVC, PP, PVDF

Socket, threaded, flanged, BCF spigot

Seals

O-rings in EPDM or FPM

Scales

GPM, LPH, percentage (10-100%)

NaOH 33%, NaOH 50%

HCl 33%, SCFM, M³/h**Limit Switches**

For maximum and/or minimum readout (magnetic floats required)

Please contact Customer Service for ordering information and with any questions.

