

InFLOW, INC.

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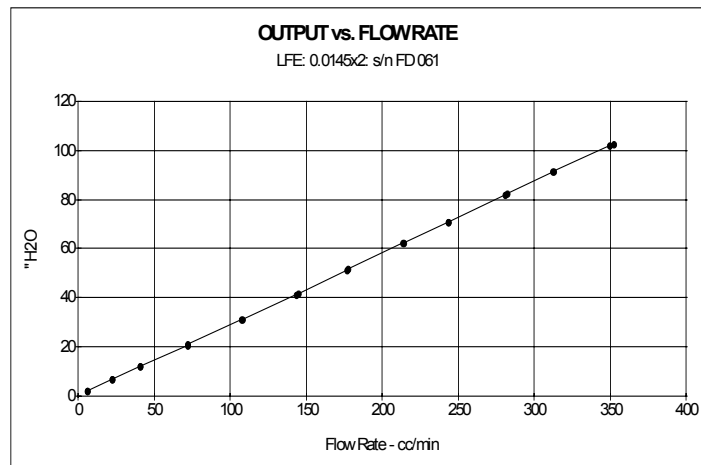
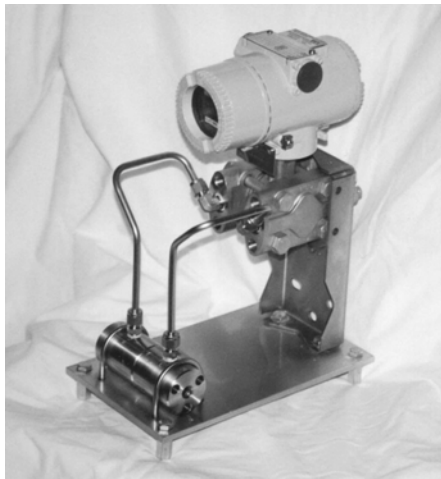
Series/LFE LAMINAR FLOW METERS & SWITCHES

InFLOW, INC. announces the expanded availability of its line of very low flow rate meters & switches. These flow meters & switches have no or limited moving parts, can be used on *liquids as well as gases*, have exceptional accuracy and turndown, have low pressure drop, and can be field verified.

The **Series/LFE** operates as a differential pressure device in the laminar flow regime following Poiseuille's Law. Consequently they have a near linear output with respect to flow rate. Up to 100:1 turn downs are practical and a universal calibration curve allows the use of a single meter / switch on a variety of fluids and flow ranges. A wide variety of models are available including units with a SMART transmitter that uses a microprocessor for highly accurate measurement (0.5% or better accuracy, with 0.25% repeatability is available) over virtually the entire flow range. Switch models incorporate an electrical output based on generating a given differential pressure at a desired setpoint. Switches are available for system pressures to 10000 psi (690 Bar) and are available in numerous styles such as NEMA 4X or explosion proof.

The **Series/LFE** has a removable flow element that can be accessed for cleaning. In addition, the field replaceable element can be swapped for different flow capabilities. Typically, the body is constructed from brass or stainless steel. The flow element is constructed of stainless steel. Other materials such as corrosion resistant engineering plastics or alternate metals are also available. Units are available as basic assemblies or combined with instrumentation for complete turnkey system packaging.

Applications:	Pilot plant / Laboratory / Process applications Engine test stands / Calibration systems / Flow control
Fluids:	Low to moderate viscosity Liquids & Gases
Capacity:	near 0 to 1000 cc/min and greater
Pressure:	to 500 psiG (3.4 MPa) typical, to 10000 psiG (690 Bar) available
Temperature:	Cryogenic to 248 F (120 C) typical, higher available
Connections:	1/8 to 1/2 FNPT, tubing, or special



Instrumentation * Controls * Systems * Design * Fabrication