

SIGHT FLOW MONITORS (THREADED CONNECTION)

EFI INFLO FLOW RATE MONITORS

CONSTRUCTION: ALUMINUM, BRASS OR STAINLESS STEEL

Available in **BASIC (Style B or G) or HIGH TEMPERATURE (Style H or J)**

Pressure Rating: For Liquid.....3500 PSI (Aluminum or Brass)
6000 PSI (Stainless Steel)

For Air or Gas....600 PSI (Aluminum or Brass)
1000 PSI (Stainless Steel)

Temperature Rating: 240°F (BASIC Style)
400°F (HIGH TEMPERATURE Style)
600°F also available...contact Ernst Flow Industries

FEATURES:

- Unrestricted mounting...install the monitor in any orientation - horizontal, vertical or inverted
- Can be used with oil or opaque liquids
- Uses the variable annular orifice technique in tandem with a transfer magnet and compression spring. A sharp-edged Stainless Steel orifice provides excellent measurement stability for viscosities from 0-500 SSU**
- Has a measuring accuracy of $\pm 2.5\%$ of full scale in the center third of the measuring range, and a $\pm 4\%$ of full scale accuracy over the entire flow measuring range
- Weather-tight external construction (BASIC style only, when used with Buna-N window seals) for use outdoors and/or on systems where wash downs are required
- Will provide years of maintenance-free performance
- **Five year limited warranty**

Sizes:

- 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2" or 2" NPT #6, #8, #10, #12, #16, #20, #24 or #32 SAE

Flow Ranges:

- For Liquid.....*0.05 to 150 GPM (0.2 to 560 LPM)
- For Air or Gas...*1.5 to 1300 SCFM

* Specific Range dependent on Size...contact Ernst Flow Industries

** Flow monitors can be specially calibrated for viscosities from 500 to 2000 SSU upon request.

MODEL EFI INFLO



High Temperature
(Brass Construction Shown)



Basic
(Brass Construction Shown)

TELEFLO / DIAL TYPE

CONSTRUCTION: BRONZE

Pressure Rating: 125 PSI at 200°F

For many liquids, particularly dark or opaque, the Teleflo indicator with its easy to read, vane-actuated dial, indicates the relative amount of liquid flowing through a pipeline. It can be installed in vertical or horizontal pipe lines, with flow in any one direction.

Requires at least 1/2 GPM minimum flow to ensure correct dial reading.

When the Teleflo is equipped with a microswitch and conduit connection, it can operate a bell, whistle or similar alarm. When used in relay, it can be used to shut off a pump motor should the liquid flow stop.



MODEL EFI 816BC WITH MICROSWITCH
(shown with faceplate removed)



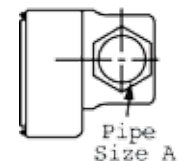
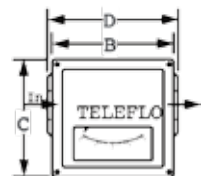
MODEL EFI 815BC
(Without Microswitch)

Suggested Operating Flow Rates for the Models EFI 815BC & EFI 816BC

NPT Conn.	Flow Rates
1/2 & 3/4	10 GPM
1	16 GPM
1-1/2	35 GPM
2	85 GPM

Dimensions in Inches

NPT Conn.	Width of Case	Height of Case	Width Overall	Approx. Weight (lbs.)
A	B	C	D	
1/2	3-5/8	3-3/8	3-5/8	3
3/4	3-5/8	3-3/8	3-3/4	4-1/2
1	3-5/8	3-3/8	3-3/4	4-1/2
1-1/2	3-5/8	3-3/8	4-3/4	6-1/2
2	4-1/2	4-1/2	6-1/2	13



FLOW RATE CYLINDER TYPE

CONSTRUCTION: BRASS, PVC, STAINLESS STEEL

Pressure Rating: 125 PSI

Temperature Rating: 125°F (Brass or PVC)
200°F (Stainless Steel)

In handling liquids where a continuous rate of flow is an operating aid and necessity, it is desirable to know at a glance the rate of flow in GALLONS PER MINUTE. With a clear borosilicate tube entirely around the body and an indicator just inside the tube for easy reading, the rate of flow is observable at all times. The flange of the float deflects the liquid against the wall of the tube and helps keep it clean and the indicator remains visible even in liquids of high sediment content. The small size of the flow rater permits minimum line spacing.

Model	Dimensions in Inches		Gallons Per Min.
	NPT Conn.	Length	
EFI RA 404	1/2	4	1 - 4
EFI RA 412	1/2	4	3 - 12
EFI RA 608	3/4	4-1/2	2 - 8
EFI RA 620	3/4	4-1/2	5 - 20
EFI RA 812	1	5	3 - 12
EFI RA 840	1	5	10 - 40

The unit must be mounted in a vertical position to insure accuracy

Accuracy is $\pm 5\%$ of maximum scale reading
All units are calibrated for water at 31.5 SSU.