

EF



Manual Balancing Valves
Steel Venturi with butterfly Valve
and Extensions


Engineering
GREAT Solutions

EF

These AccuSetters have an extended inlet section (five-pipe diameters) so valves can be close coupled to an automatic temperature control (ATC) valve. The AccuSetter uses a low-loss venturi to obtain a measurement accuracy of $\pm 3\%$ F.S. The butterfly has a 2" extended neck above the flange for insulation. The valve handle has an infinite-position memory stop in 2" - 6" sizes or gear operator (8"). The entire assembly has a five-year warranty. The total pressure drop added to the pump head seldom exceeds one foot. The exact drop can be calculated using the formula on Form F199. Flow measurement can be obtained with a differential pressure meter reading across the venturi taps. The design flow can be obtained by adjusting the valve handle or operator until the desired GPM is reached. The set handle position is maintained by using the memory stop.



Key features

- > **Low Loss Venturi**
Measure with 3% accuracy
- > **Memory Stop**
Fine Adjustment
- > **Built-in Straight Run**
- > **Infinite Position**
Fine Adjustment

Technical description

Application:

Hydronic Balancing

Functions:

Balancing, measurement, shut-off

Dimensions:

2" - 3", 4", 5", 6", 8", 10", 12", 14", 16"

Accuracy:

$\pm 3\%$ F.S.

Pressure class:

240 psi at 250° F

Venturi Material:

Body: Steel ASTM - A120
Instrument Valves: Ext. SuperSeal
Pressure/Temperature Ports
Design: Low loss, piezo-ring throat

Butterfly Valve Material:

Body: Cast iron, lug-type body
ANSI Class 125/150
Seat & Gasket: EPDM
Stem: 410 Stainless Steel
Bearings: Nylon
Disc: Al-Bronze or Stainless Steel
(If SS is required, please consult fact

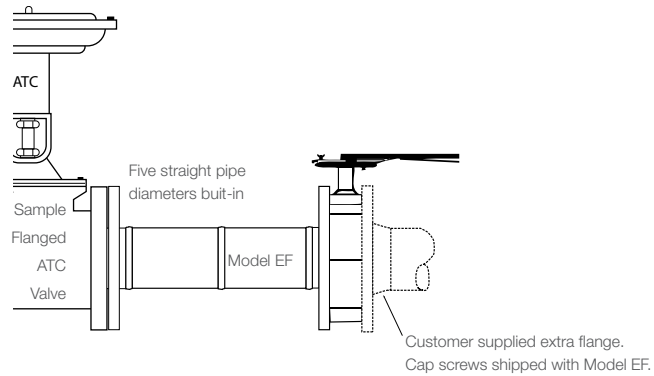
Model Information

Model EF

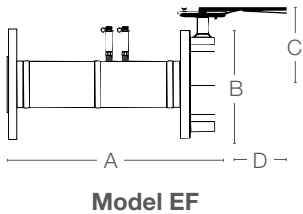
Model EF AccuSetter includes an extended flanged venturi with a lug butterfly valve attached to the downstream side. Extended Pressure/ Temperature Ports are now standard.

Field installation requires one 150# mating flange. Cap screws are included to mate the butterfly and the customer-supplied flange.

Supplemental Installation Instructions



Articles



Dimensions

Nominal Dimensions & Weights / Cv Rates

Model	Size	Connections	A	B	C	D	Weight
EF0200(*)		150# Flange	18.3	6.0	6.6	9.0	23.7
EF0250(*)		150# Flange	20.8	7.0	7.2	9.0	33.6
EF0300(*)		150# Flange	25.9	7.5	7.6	9.0	44.5
EF0400(*)		150# Flange	33.9	9.0	8.4	9.0	71.6
EF0500(*)		150# Flange	39.5	10.0	9.0	9.0	95.2
EF0600(*)		150# Flange	45.1	11.0	9.7	9.0	134.0
EF0800(*)		150# Flange	56.0	13.5	7.5	5.0	230.9

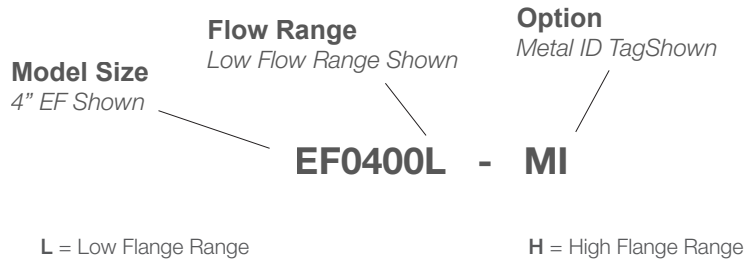
Notes

* denotes L (low flow) or H (high flow) must be specified.

All weights and dimensions given are in pounds and inches and are subject to change.

Venturi products made from fabricated materials may vary $\pm 1/16$ inch per component.

Model Order Designation



Options Available

- | | | |
|-------------------------------|------------------------------------|-------------------------|
| AV Manual Air Vent | C4 1/4" Accessory Port | PI Plastic Tag |
| C2 1/2" Accessory Port | FG Grooved Accessory Flange | SE Stem Extender |
| C3 3/4" Accessory Port | HN Hose End Drain | |

