



Product Information

- Rating:** 240 psi at 250° F
- Accuracy:** ±3% F. S.
- Venturi Body:** Steel ASTM - A120
- Instrument Valves Design:** Ext. SuperSeal Pressure/Temperature Ports
Low loss, piezo-ring throat
- Butterfly Valve Body:** Cast iron, lug-type body
ANSI Class 125/150
- Seat & Gasket:** EPDM
- Stem:** 410 Stainless Steel
- Bearings:** Nylon
- Disc:** Bronze

The butterfly has a 2" extended neck above the flange for insulation. The valve handle has an infinite-position memory stop. 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 page three of form F212.0

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 until the desired GPM is reached. The set handle position is maintained by using the memory stop. Use Flow curves F005 and F186 on the table on the reverse side.

The Model ER AccuSetter includes an extended inlet with reducing 150# plate flange, 150# R.F. outlet flange with a lug butterfly valve attached to the downstream side. Extended SuperSeal Pressure/Temperature Ports are standard.

- Field installation requires two 150# mating flanges, nuts and bolts. Cap screws are included to mate both the butterfly and the customer-supplied flange.

This AccuSetter is designed to flange directly to ATC valves. The inlet flange is a flat-faced reducing plate flange. It has a built-in five-pipe diameter inlet section.

The AccuSetter uses a low-loss venturi to obtain a measurement accuracy of 3% F. S.

Dimensions not to be used for construction unless prints certified by factory.

Nominal Dimensions & Weights / Cv Rates

Model	Size	Connections	A	B	C	D	Weight
ER0250(*)	2 1/2"	2" inlet & 2 1/2" outlet	21.2	7.0	7.2	9.0	33.6
ER0300(*)	3"	2.5" inlet & 3" outlet	26.3	7.5	7.6	9.0	44.5
ER0400(*)	4"	3" inlet & 4" outlet	34.3	9.0	8.4	9.0	73.6
ER0500(*)	5"	4" inlet & 5" outlet	39.9	10.0	9.0	9.0	100.2
ER0600(*)	6"	5" inlet & 6" outlet	45.6	11.0	9.7	9.0	138.0

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 ±1/16 inch per component.

Model Order Designation

Model / Size ————— **ER0400L - MI** **Options**
4" ER Shown *Use for options that have specific locations.*
Metal ID Tag Shown

Flow Range —————
Low Flow Range Shown

L = Low Flow Range **H** = High Flow Range

Options Available

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