

ER



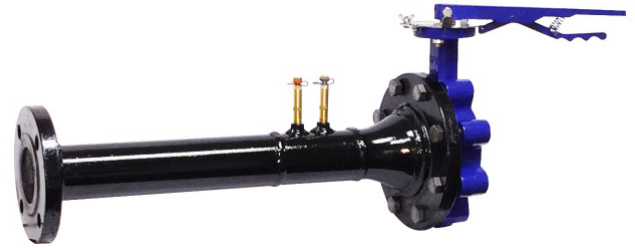
## Manual Balancing Valves

2 1/2" - 6" Venturi with butterfly valve  
and reducing inlet flange

  
Engineering  
GREAT Solutions

# ER

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  $\pm 3\%$  F. S. The butterfly has a 2" extended neck above the flange for insulation. The valve handle has an infinite-position memory stop. 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.



## 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 1/2", 3", 4", 5", 6"

### Accuracy:

$\pm 3\%$  F.S.

### Pressure class:

240 psi at 250° F

### Venturi Material:

Body: Steel ASTM - A120  
Instrument Valves: Ext. 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 factory)

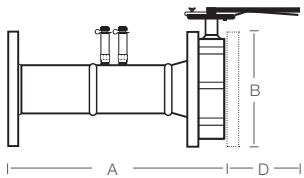
## Model Information

### Model ER

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 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.

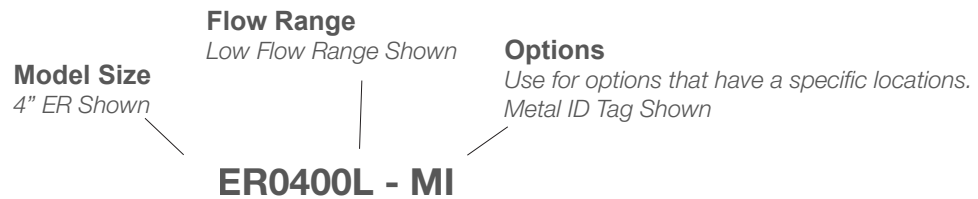
## Articles



### Dimensions

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 1/2" 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

## Model Order Designation



## Options Available

**AV** Manual Air Vent

**C2** 1/2" Accessory Port

**C3** 3/4" Accessory Port

**C4** 1/4" Accessory Port

**HN** Hose End Drain

**MI** Metal ID Tag

**PI** Plastic Tag



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