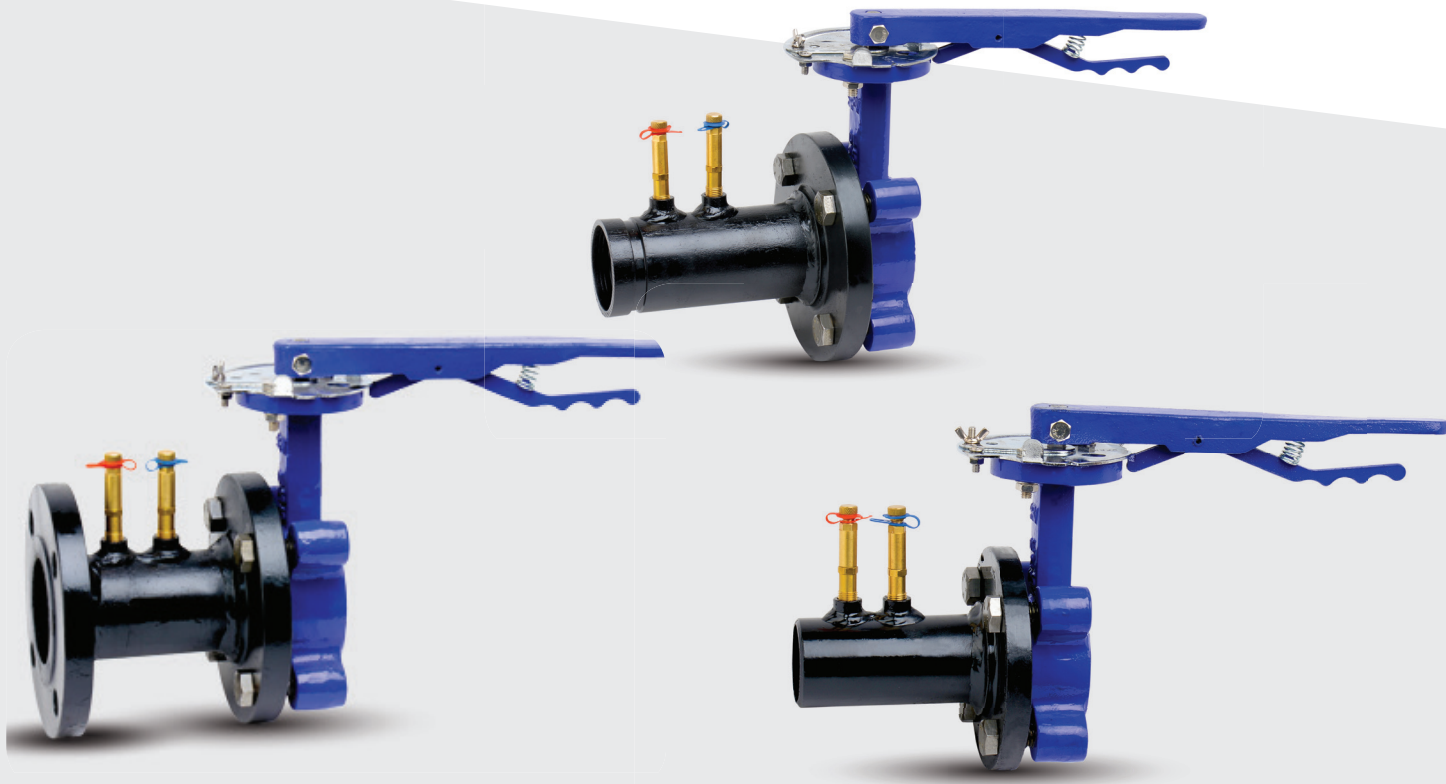


AF AG AW



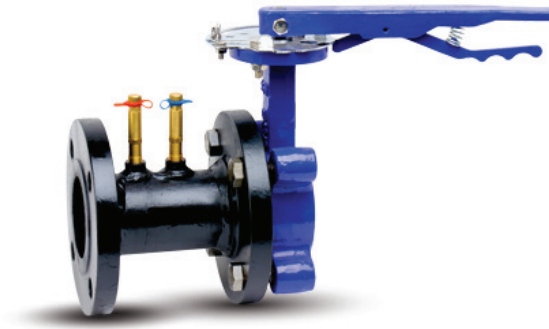
Manual Balancing Valves

2"-16" Steel venturi with butterfly Valve

Engineering
GREAT Solutions

AF AG AW

The AccuSetter uses a low-loss venturi to obtain a measurement accuracy of 3% F. S. The butterfly has a 2” extended neck above the flange for insulation. The valve handle has an infinite-position memory stop for sizes 2” to 6” and a gear operator on 8” to 16” sizes. 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 GPM can be calculated using the formula on Form F199. (See “Flow Measurement Test Kits,” form F011 for the differential pressure meter kits.) The design flow can be obtained by adjusting the valve 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
- > **Infinite Position**
Fine adjustment
- > **Memory Stop**
2” - 8”

Technical description

Application:
Hydronic Balancing

Functions:
Balancing, measurement, shut-off

Dimensions:
2” - 6”, 8”, 10”, 12”, 14”, 16”

Accuracy:
±3% F.S.

Design:
Low loss piezo-ring throat

Pressure class:
240 psig at 250° F (1655 kPa at 120° C)

Material:
Venturi Body: Steel ASTM - A120
Instrument Valve: Extended SuperSeal P/T
Test Ports
Butterfly Valve Body: Ductile Iron, full-lug
type body, ANSI Class 125/150
Seat & Gasket: EPDM
Stem: Stainless Steel
Bearings: Nylon
Disc: Stainless Steel
(if Al-Bronze is required please consult factory)

Model Information

Model AF

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

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

Model AG

Model AG AccuSetter includes a grooved venturi on the entry with a lug butterfly valve mounted on the downstream exit end. The Model FG is also available as an option on all sizes. Extended Pressure/Temperature Ports are standard.

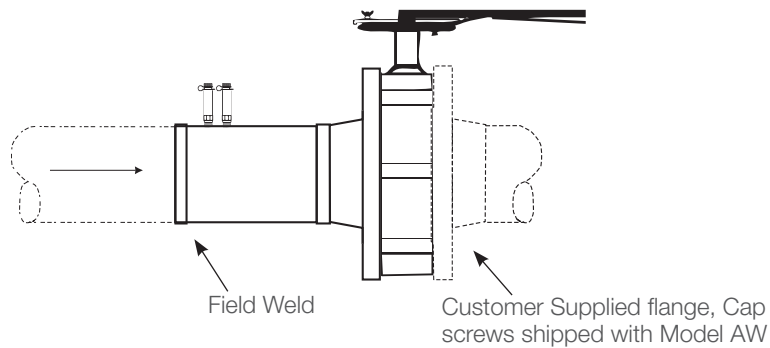
- Field installation requires one standard grooved coupling for the upstream attachment.

Model AW

Model AW AccuSetter includes a weldend venturi on the inlet with a lug type butterfly valve mounted to the downstream venturi flange (Illustration shown below with customer supplied flange). Extended Pressure/Temperature Ports are standard.

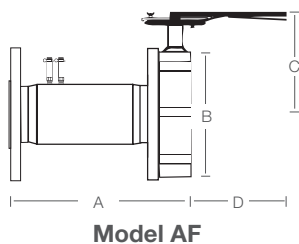
- Field installation requires no additional material.

Supplemental Installation Instructions



See Venturi & AccuSetter Valves Installation, Operation & Maintenance (F033) for more information

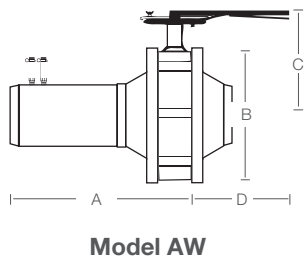
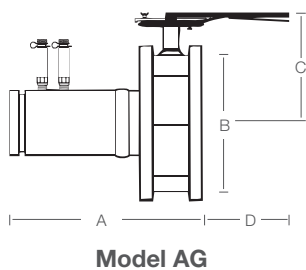
Articles



Dimensions

Model	Size	Connections	A	B	C	D	Weight
AG0200(*)	2"	Grooved	10.5	6.0	6.6	10.0	19.3
AF0200(*)		150# Flange	8.3	6.0	6.6	10.0	20.6
AW0200(*)		Welded	7.65	5.6	7.0	9.0	15.0
AG0250(*)	2 1/2"	Grooved	10.7	7.0	7.2	10.0	25.2
AF0250(*)		150# Flange	8.3	7.0	7.2	10.0	27.6
AW0250(*)		Welded	7.9	5.47	7.3	9.0	22.0
AG0300(*)	3"	Grooved	11.3	7.5	7.6	10.0	34.0
AF0300(*)		150# Flange	10.9	7.5	7.6	10.0	35.0
AW0300(*)		Welded	10.5	6.0	8.0	9.0	27.0
AG0400(*)	4"	Grooved	14.3	9.0	8.4	10.0	53.0
AF0400(*)		150# Flange	13.9	9.0	8.4	10.0	53.7
AW0400(*)		Welded	13.5	7.5	8.3	9.0	45.0

Articles



Dimensions

Model	Size	Connections	A	B	C	D	Weight
AG0500(*)	5"	Grooved	14.9	10.0	9.0	10.0	61.3
AF0500(*)		150# Flange	14.5	10.0	9.0	10.0	64.7
AW0500(*)		Welded	14.3	8.47	8.85	9.0	52.0
AG0600(*)	6"	Grooved	15.6	11.0	9.7	10.0	78.6
AF0600(*)		150# Flange	15.1	11.0	9.7	10.0	86.6
AW0600(*)		Welded	14.63	9.5	9.3	9.0	71.5
AG0800(*)	8"	Grooved	16.6	13.5	7.5	8.0	123.3
AF0800(*)		150# Flange	16.0	13.5	7.5	8.0	135.7
AW0800(*)		Welded	15.75	11.7	17.4	5.0	117.5
AG1000(*)	10"	Grooved	18.1	16.0	7.5	9.0	178.3
AF1000(*)		150# Flange	17.4	16.0	7.5	9.0	194.5
AW1000(*)		Welded	16.83	14.25	17.4	5.0	167.5
AG1200(*)	12"	Grooved	20.3	19.0	7.5	9.0	279.6
AF1200(*)		150# Flange	19.5	19.0	7.5	9.0	307.0
AW1200(*)		Welded	19.5	17.0	19.1	6.0	261.5
AG1400(*)	14"	Grooved	26.9	21.0	11.8	9.0	399.3
AF1400(*)		150# Flange	21.6	21.0	11.8	9.0	372.9
AW1400(*)		Welded	20.5	19.0	21.0	10.0	379.5
AG1600L	16"	Grooved	27.8	16.0	11.8	9.0	550.9
AF1600L		150# Flange	22.5	23.5	11.8	9.0	539.9
AW1600L		Welded	22.7	21.25	26.2	10.6	529.9

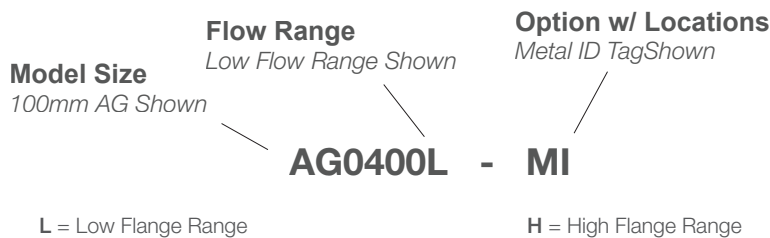
Notes

(*) 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

C2 1/2" Accessory Port

C3 3/4" Accessory Port

C4 1/4" Accessory Port

CPT Capillary Port/Tee

HN Hose End Drain

PI Plastic ID Tag

MI Metal ID Tag

