The Space Saver Solution

CONFIGURATION SHEET

MODEL V2150 / V2300 MAIN LINE FLOWMETER

DESCRIPTION

The V2 System's innovative design delivers repeatable accuracy of up to ±1% of rate over a 10:1 flow range under the most difficult flow conditions. The V2 System™ acts as its own flow conditioner, fully conditioning and mixing the flow prior to measurement. Readings are always precise and reliable, even under changing flow situations.
With this unique ability to self-condition flow, the V2 System virtually eliminates the need for upstream or downstream straight pipe runs. Thus, the V2 System can be installed virtually anywhere in a piping system or easily retrofit into an existing piping layout, resulting in significant installation flexibility and cost savings. In addition, the V2 System has proven to provide long-term performance with no moving parts to replace or maintain.

BENEFITS AND FEATURES

- Installs virtually anywhere in the system—even in tight spaces
- Displays both rate of flow and total flow. Rate and total functions are independent of each other allowing for many different combinations of flow units.
- Accuracy up to ±1% of rate
- Flow range: 10:1
- Installation: Typically 0-3 diameters upstream and 0-1 diameter downstream
- Totalizer pulse and linear 4-20 mAdc outputs
- No parts to wear so little maintenance required
- HART™ Interface
- 3-way manifold for isolating the transmitter

APPLICATIONS

Typical applications include:

- Water Well Production
- Cooling Water
- Raw Water Influent
- Reclaimed Water
- Finished Water Effluent
- Filter and Pipe Galleries
- Back Wash

Remote mounted display

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V2 System
The Space Saver Solution

SPACE SAVER MODELS V2150 & V2300

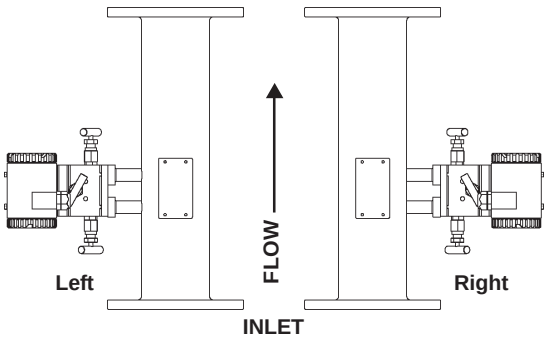
PERFORMANCE

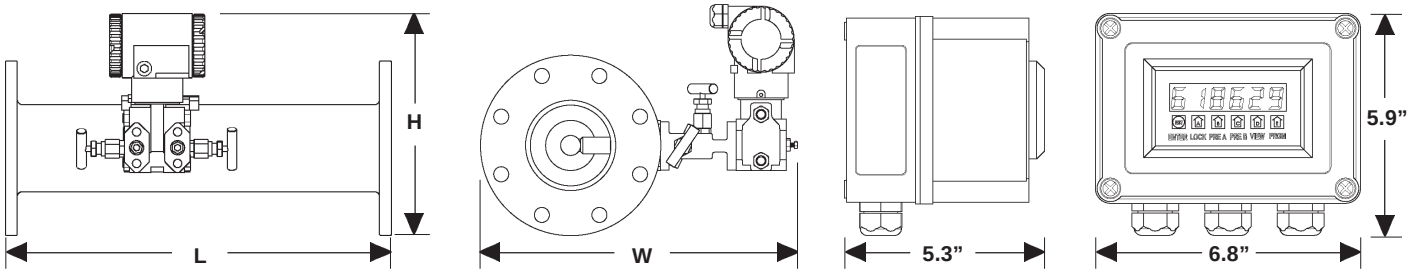
ACCURACY: Up to ±1% of reading over standard flowrange.
RANGE: See dimensions chart below
HEAD LOSS: Typical ≤2 psi at Full Scale
MAXIMUM TEMPERATURE: (Standard Construction)
180°F constant
PRESSURE RATING: Model V2150: 150 psi
Model V2300: 300 psi
POWER: 110 VAC, optional 24VDC
OUTPUTS: Analog 4-20mA
OPTICALLY ISOLATED PULSE OUTPUT For Remote Totalization
TRANSMITTER HOUSING & DISPLAY ENCLOSURE: NEMA 4X (IP66)
MATERIALS
Remote mount display includes 50 feet of power/signal cable. For additional length, please consult factory.
BODY: 6-inch & larger: Fusion-bonded epoxy coated carbon steel
4-inch: All 304 stainless steel
MEASURING ELEMENT: 304 stainless steel
END CONNECTIONS
V2150: 6-inch & larger: Carbon Steel AWWA Class D;
4-inch: Raised Face ANSI Class 150
V2300: 6-inch and larger: Carbon Steel AWWA Class F;
4-inch: Raised Face ANSI Class 300

OPTIONS

- Other flange standards available
- Other laying lengths available
- Transmitter may be mounted on either side of the flow tube

Instrument orientation
(Specified at time of order)





McCrometer reserves the right to change design specifications without notice. *Flow Computer*

V2150 / V2300		DIMENSIONS							
Meter and Nominal Pipe Size		4	6	8	10	12	14	16	18
Standard Flow Ranges (GPM)	A	40-400	80-800	100-1000	120-1200	160-1600	200-2000	270-2700	300-3000
	B	60-600	120- 1200	150-1500	180-1800	250-2500	300-3000	400-4000	500-5000
	C	90-900	180-1800	225-2250	270-2700	375-3750	450-4500	600-6000	750-7500
V2150					V2150				
Approx. Shipping Weight - lbs.		54	115	135	197	325	465	530	744
W (width - inches)		17.75	20	22	24.5	27	28.5	30.75	32.5
H (height - inches)		13	14	15.4	16.6	19	21	23.5	25
L (length - inches)		20	28	34	38	42	44	46	50
No. of Bolts per Flange		8	8	8	12	12	12	16	16
V2300					V2300				
Approx. Shipping Weight - lbs.		90	145	220	340	430	650	820	1315
W (width - inches)		18.25	21	23	25.25	27.75	29.5	31.75	34
H (height - inches)		13.8	15	16.3	17.5	20.5	23	25.5	28
L (length - inches)		20	28	34	38	42	44	46	50
No. of Bolts per Flange		8	12	12	16	16	20	20	24

Note: *Larger meter sizes, special laying lengths, other flow ranges available by special order.*

ORDERING INFORMATION:
1. Select Nominal Pipe Size and one of the standard flow ranges A, B, or C.
2. Specify Instrument Orientation – Viewed from the inlet end of the meter, will the instrument(s) be on the right or left?
3. Specify units of measurement for both the flowrate indicator and totalizer.
4. For vertical installation, specify upflow or downflow.

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