



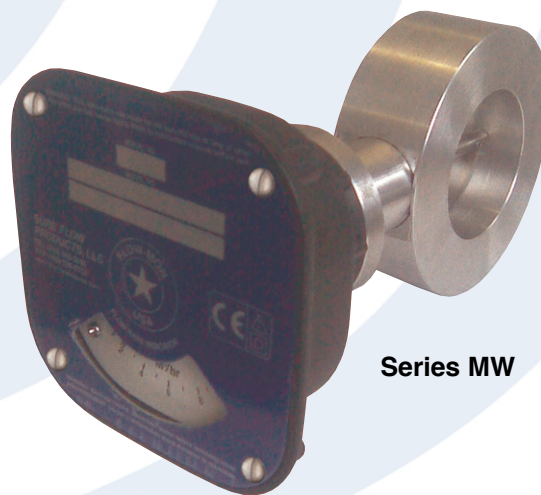
FLOW RATE MONITORS

FLOW INDICATORS, FLOW SWITCHES, FLOW TRANSMITTERS AND FOR WATER, OILS, PAINTS, AIR AND GASES

SERIES MW - Variable Area Flow Rate Indicators

FEATURES:

- ★ Direct Reading Flow Rate Indication
- ★ Optional switch(es)
- ★ Optional 4-20mA output signal
- ★ Pressures up to 2000 PSIG (410 Bar)
- ★ Maximum temperatures to 400°F (315°C)
- ★ Wafer connection mounts easily between ANSI, JIS or DIN flanges
- ★ Versatile mounts in any orientation
- ★ No Straight Pipe Runs Required
- ★ Easy to read with Dark or Opaque Fluids
- ★ Full Scale Flow Ranges from
15 GPM (50 LPM) to 5000 GPM (19,000 LPM)
100 SCFM to 50,000 SCFM (depending upon pressure)
- ★ Connections sizes are from 3-inch to 12-inches



Series MW

GENERAL DESCRIPTION:

Sure Flow Products variable area flow rate indicators are designed for tough industrial applications. This flow indicator is mechanical with a spring-loaded vane and pointer indicator. This allows for mounting in any orientation and is ideal for use with dark or opaque fluids. The body mounts between flanges which reduces weight, size and cost. Standard with mechanical indication with options of one or two switches, and /or a two wire 4-20mA output signal.

TECHNICAL DATA:

Measuring Accuracy:	± 3% of full scale	Transmitters	
Repeatability:	± 1% of full scale	Linearity	± 1%
Flow Measuring Range:	15 GPM (50 LPM) to 5000 GPM (19,000 LPM) 100 SCFM to 50,000 SCFM (depending upon pressure)	Max. Concentricity	± 1.5mm
Max. Operating Pressure:	PVC: 100 PSIG	Electrical Specification	
Max. Pressure Drop:	Consult Sure Flow Products (avg. 2.8 PSID)	Operating Voltage	8-24 VDC
Standard Calibration:	Calibrated for customer supplied fluid viscosity and specific gravity. For air or gas at operating pressure and temperature	Supply Current	50mA max. 4.20mA
Enclosure:	NEMA 4 or NEMA type 4x	Reverse Polarity Protection	Yes
Alarm Switch Contacts:	SPDT (dry contact): UL/CSA rating at 10 amps and 1/4 hp, 125 or 250 VAC, 1/2 amp, 125 VDOC, 1/4 amp, 250 VDC (3 amps, 125 VAC lamp load)	Overvoltage Protection	Up to 30V
		Output Signal	4-20mA
		Load Impedance	$R < (U_{supply} - 3)/0.02$ $R < (U_{supply} - 8)/0.02$
		Resolution of Output Signal	>10 Bit
		Programmable Output Filter	0.5s (0.5s steps)
		Temperature Stability	>80ppm
		Operating Temperature	-40°C +85°C
		Storage Temperature	-40°C +85°C

Materials of Construction

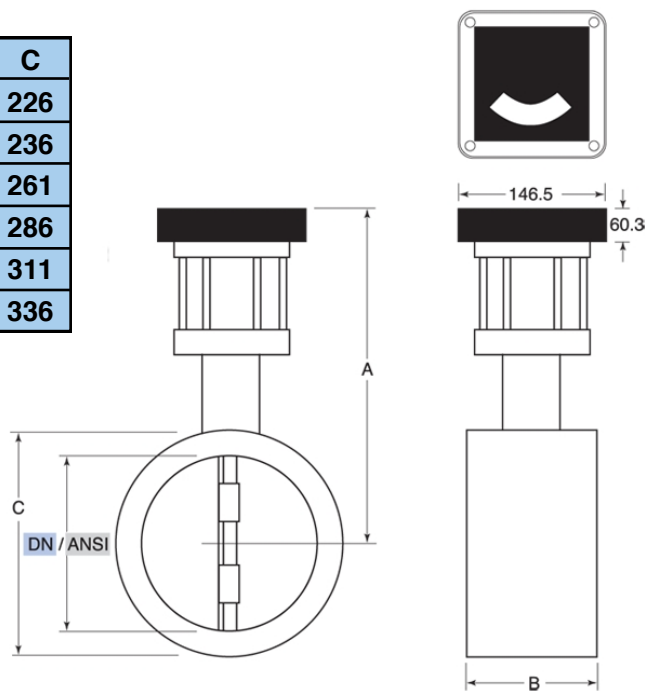
WETTED COMPONENTS						
CASING END PORTS TAPERED SHAFT	Aluminum	Brass	Stainless Steel	Carbon Steel	Cast Iron	PVC
SEALS	Buna-N (Std), EPR, Viton®, Perlast					
INTERNAL PARTS	316L Stainless Steel (std)					
OPTIONAL INTERNAL PARTS	Hastelloy C with Teflon Hastelloy C with PVC					
NON-WETTED COMPONENTS						
ENCLOSURE & COVER	Nylon or Aluminum					
SEALS	Buna-N or Viton					
WINDOW	Polycarbonate or Bocosililate (glass)					

Dimensions Series MW

ALL DIMENSIONS IN MM

DN	A	B	C
80	138	C/F	226
100	158		236
150	212		261
200	268		286
250	320		311
300	370		336

C/F = Consult Factory



ANSI	A	B	C
3	127	C/F	225
4	157		237
6	216		263
8	270		287
10	324		313
12	381		338

C/F = Consult Factory

Subject to Change

