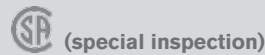




Shown are blind flanged version and hygienic clamp version

1/2" to 6", Up to 232 PSI

- Full bore section
- High frequency sampling
- Flow or Batch Control



8051, 8055, 8056

These full bore magmeters accurately measure the flow of liquids with conductivities as low as 5 $\mu\text{S}/\text{cm}$ with or without solids. Varied application environments such as water, wastewater, sludge, slurries, pastes, acids, alkalis, juices, fruit pulp can easily be handled. This extremely robust, time tested design incorporates the latest electronics and when combined with a valve as the actuating element they can control high-precision dosing operations. A simple HMI and a wide range of materials, measuring tube liners and process connections makes this a simple choice.

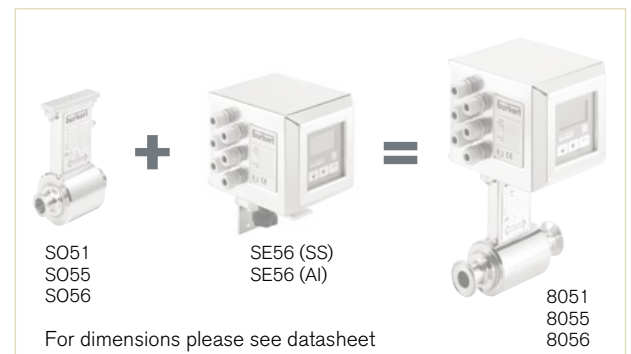
Technical Data

Housing material	Die cast aluminum or 304 Stainless steel
Ambient temperature	-4 °F to 140 °F
Voltage supply	90...265 VAC
Electrical connections	PG glands
Outputs	1 x 4-20mA 2 x transistor (40VDC, 100mA, Fmax=1.250Hz) Standard input 1 x digital (0 up to 40 VDC)
Ingress protection	IP65 and 67, NEMA4X
Approvals	CE
Size range	1/2" to 6"
Measuring ranges	1 to 33 fps
Measuring error (teach in)	$\pm 0.2\%$ of Reading (for liquid velocity > 3 ft/s)
Measuring error (std. k-factor)	$\pm 0.2\%$ of Reading (for liquid velocity > 3 ft/s)
Linearity	$\leq \pm 0.5\%$ o.FS (at 33fps)
Repeatability	Repeatability better than 0.1%
Electrode material	SS 316L (optional 3 x SS 316L or 4 x Hastelloy C / Titanium / Tantal / Platinum - Rhodium)
Axis and bearing	Minimum conductivity 5 $\mu\text{S}/\text{cm}$
O-rings	FKM
Max. Fluid Temperature	212 °F (PTFE lining), 140 °F (PP lining)
Ambient temperature range	0 to 140 °F
Max. fluid pressure	Fluid pressure Max. 232 PSI

Options

- Various sealing materials
- Larger sizes are available as standard
- Individual calibration certificate
- Other options Remote versions (10/20m cable, IP68), blind version
- SS body and 300# flanges for S055
- PTFE lining and PN40 pressure class for S051 and S055
- 2 relay outputs NO/NC 2A-250VAC, 60W 125VA
- Hart, Profibus, RS232, RS485

System Architecture



Ordering Chart

Transmitter / Batch Controller Electronics - SE56				Item no.
Stainless steel				558 306
Aluminum				558 747
INLINE Flow Meter				
Connection	Orifice [mm]	Flow Rate [GPM]	Lining	Item no.
NPT INLINE Meter Fittings - S051				
1/4"	3	0.04 - 1.10	PTFE	554 213
3/8"	6	0.17 - 4.40	PTFE	555 892
1/2"	10	0.53 - 13.20	PTFE	555 111
3/4"	15	1.05 - 26.4	PTFE	557 659
1"	20	2.2 - 55.00	PTFE	553 663
ANSI 150# INLINE Meter Fittings - S055				
1"	25	3.17 - 79.25	PP	554 353
2"	50	12.7 - 317.00	PP	554 354
3"	80	31.7 - 792.52	PP	554 351
4"	100	49.31 - 1232.80	PP	554 352
6"	150	112.7 - 2817.8	PP	561 426
Hygienic Clamp INLINE Meter Fittings - S056				
1/2"	3	0.04 - 1.10	PTFE	559 786
1/2"	6	0.17 - 4.40	PTFE	553 325
1/2"	10	0.53 - 13.20	PTFE	554 350
3/4"	15	1.05 - 26.4	PTFE	553 533
1"	20	2.2 - 55.00	PTFE	553 534
1"	25	3.17 - 79.25	PTFE	553 535
1 1/2"	40	7.92 - 198.13	PTFE	553 536
2"	50	12.7 - 317.00	PTFE	553 537
2 1/2"	65	21.13 - 528.34	PTFE	553 538
3"	80	31.7 - 792.52	PTFE	559 791