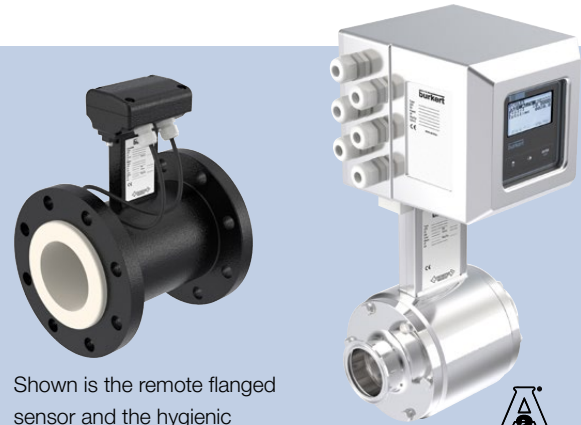


Full bore INLINE Magmeter

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

- Full bore section
- High frequency sampling
- Flow or batch control

S056 Fitting



Shown is the remote flanged sensor and the hygienic clamp compact version



8059

These full bore magmeters accurately measure the flow of liquids with conductivities as low as 5 µS/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.

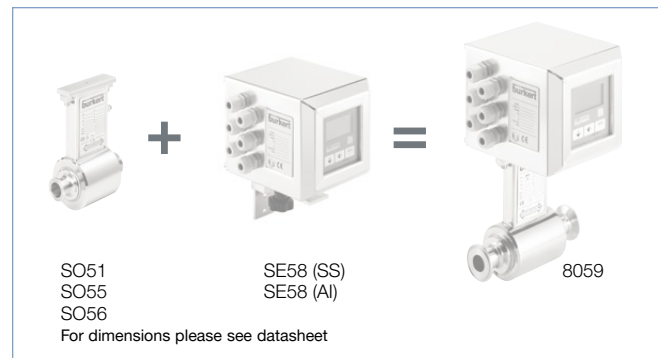
Technical Data

Housing material	Die cast aluminum or 304 Stainless steel
Ambient temperature	-4 °F to 140 °F
Voltage supply	100-240 VAC/ 44 Hz-66 Hz
Electrical connections	PG glands
Outputs	1 x 4-20 mA 2 x transistor (30VDC, 100mA, Fmax=1250Hz) Standard input 1 x digital (0 up to 40 VDC)
Ingress protection	IP65(SS), IP65,IP67(Aluminum)
Approvals	CE
Size range	1/4" to 6"
Measuring ranges	1.5 to 33 ft/s
Measuring error (std. k-factor)	± 0.2% of Reading (for liquid velocity > 1.5 ft/s)
Repeatability	≤ ±0.1% of the measured value for flow velocity >0.5 m/s
Electrode material	SS 316L (optional 4 x Hastelloy C / Titanium / Tantal / Platinum - Rhodium)
Axis and bearing	Minimum conductivity 5 µS/cm
O-rings	FKM
Max. fluid temperature	212 °F (PTFE lining), 140 °F (PP lining)
Max. fluid pressure	Fluid pressure Max. 232 PSI

Options

- 10-35 VDC electronic
- Various sealing materials
- Larger sizes
- Individual calibration certificate
- Other options Remote versions (10/20m cable, IP68), blind version
- SS body and 300# flanges S055
- PTFE lining and PN40 pressure class for S051 and S055
- Hart, Modbus over RS-485, RS485

System Architecture



Ordering Chart

Transmitter / Batch Controller Electronics - SE56				Item no.
Stainless steel				571508
Aluminum				571501
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	554213
3/8"	6	0.17 - 4.40	PTFE	555892
1/2"	10	0.53 - 13.20	PTFE	555111
3/4"	15	1.05 - 26.4	PTFE	557659
1"	20	2.2 - 55.00	PTFE	553663
ANSI 150# INLINE Meter Fittings - S055				
1"	25	3.17 - 79.25	PP	554353
2"	50	12.7 - 317.00	PP	554354
3"	80	31.7 - 792.52	PP	554351
4"	100	49.31 - 1232.80	PP	554352
6"	150	112.7 - 2817.8	PP	561426
Hygienic Clamp INLINE Meter Fittings - S056				
1/2"	3	0.04 - 1.10	PTFE	559786
1/2"	6	0.17 - 4.40	PTFE	553325
1/2"	10	0.53 - 13.20	PTFE	554350
3/4"	15	1.05 - 26.4	PTFE	553533
1"	20	2.2 - 55.00	PTFE	553534
1"	25	3.17 - 79.25	PTFE	553535
1 1/2"	40	7.92 - 198.13	PTFE	553536
2"	50	12.7 - 317.00	PTFE	553537
2 1/2"	65	21.13 - 528.34	PTFE	553538
3"	80	31.7 - 792.52	PTFE	559791