

PRODUCT CONFIGURATION



QSE MAG FLOWMETER

The QSE Mag Series is a dependable highly accurate electromagnetic flowmeter designed for flow and usage monitoring in commercial applications.

The Noryl® housing and flow tube offer a lightweight, easy-to-install Mag Meter that is resistant to heat (210°F / 99°C) and compatible with many water-based liquid solutions.

The QSE Mag Meter monitors flow rate and total flow in a wide variety of applications including: HVAC, Turf/ Irrigation and other water reclamation applications.

FEATURES / BENEFITS

- · Low investment and operating costs
- ± .5% Accuracy of Reading
- Wide turndown ratio of 60:1
- Non-intrusive, no moving parts to wear out, maintenance, repair costs low and tolerates high flows without damage
- The slightly modified bore permits unobstructed flow and minimizes flow disturbances and straight pipe requirements
- 7 line sizes (½" to 4") ½", ¾", 1", 1-½", 2", 3", & 4"
- Housing ported with "Thermal Well Supports" for sensors (Energy Management)
- Compatible with GPI 09 Electronics Display or FLOMEC QSI I/O Board

PRODUCT IDENTIFIER 1

QSE = Electro-Magnetic Flow Meter

SIZE 2

05 = 1/2"

07 = 3/4"

10 = 1"

15 = 1-1/2"

20 = 2"

30 = 3" (Flange only)

40 = 4" (Flange only)

FITTING 3

NPT = NPT (Male) (1/2" to 2" Only)

BSP = BSP (Male) (Rc Thread) (½" to 2" Only)

FAP = ANSI Flange - Polymer (3" & 4" Only)

FAS = ANSI Flange - Steel (3" & 4" Only)

FDS = DIN Flange - Steel (3" & 4" Only)

ELECTRONIC CHOICE 4

09 = Computer w/Integral Display & Meter Mounted
Transmitter (Pulse Out) 2-Button Computer, Field-configurable
(2 Totals, 2 Cals, Rate), Coverplate Transmitter w/Pulse Out
(Open Collector Square Wave)

QB = Meter Mounted Transmitter (Pulse Out)

Coverplate Transmitter, w/Pulse Out (Open Collector Square Wave)

COMMUNICATION CHOICE 5

Q1 = *Integrates with Any Electronic Choice* QSI Module: Blue Tooth®, Coil/Digital Pulse Input, Pulse Output (Flow or Energy & Scalable), RS485 (MODbus RTU), Temperature Inputs, BTU Calculator.

Energy Use Computation Note: Energy Use Computation Requires Temperature Sensor Probes (Select Probes Below)

Q2 = Integrates with Any Electronic Choice QSI Module: Blue Tooth®, Coil/Digital Pulse Input, Pulse Output (Flow or Energy & Scalable), Data Logger (pending), Temperature Inputs, BTU Calculator. Energy Use Computation Note: Energy Use Computation Requires Temperature Sensor Probes (Select Probes Below)

Q3 = Integrates with Any Electronic Choice QSI Module: Blue Tooth®, Coil/Digital Pulse Input, Pulse Output (Scalable), Data Logger (pending), 4-20mA.

XX = No Communication Suite

TEMPERATURE SENSOR PROBES 6

- 1 = Integrates with QSI Communications Choice for Energy Use Computation (2ea) 1" Long Temperature Sensor Probes w/ Cables (10 ft.) (Customer Installed), Used with 1/2" through 2" Meters
- 2 = Integrates with QSI Communications Choice for Energy Use Computation (2ea) 2" Long Temperature Sensor Probes w/ Cables (10 ft.) (Customer Installed), Used with 3" and 4" Meters
- X = No Temperature Probes

PACKAGING (Auto Select) 7

A = 1/2" - 2" Meters

B = 3" Meter

C = 4" Meter



SPECIFICATIONS

Fitting Type:	NPT, BSP, ANSI Flanged, DIN Flanged		
	1/2" to 2" - NPT (Male), BSP (Male) (Rc Thread)		
	3" & 4" ANSI Flanged - Polymer Flange		
	3" & 4" ANSI Flanged - Steel Flange		
	3" & 4" DIN Flanged - Steel Flange		

o a . Dirt langer steel . Lange				
Housing Material:		Noryl®		
Pipe Sizes:		1/2", 3/4", 1", 1-1/2", 2", 3", 4"		
Pressure Rating:		150 PSI @ 73° F (10 BAR @23° C)		
Flow:	Velocity	0.25 to 15 FPS		
	1/2" (05)	0.15 - 10 GPM	0.56 - 38 LPM	
	3/4" (07)	0.3 - 20 GPM	1.13 - 76 LPM	
	1" (10)	0.6 - 40 GPM	2.27 - 151 LPM	
	1-1/2" (15)	1.2 - 80 GPM	4.54 - 303 LPM	
	2" (20)	2.25 - 150 GPM	8.5 - 568 LPM	
	3" (30)	4.5 - 300 GPM	17 - 1136 LPM	
	4" (40)	9 - 600 GPM	34 - 2271 LPM	
*Accuracy (% of Reading):		±2%	±0.5%	
	1/2" (05)	0.15 - 0.6 GPM / 0.56 - 2.27 LPM	0.61 - 10 GPM 2.28 - 38 LPM	
	3/4" (07)	0.3 - 1.2 GPM / 0.56 - 4.54 LPM	1.21 - 20 GPM / 4.55 - 76 LPM	
	1" (10)	0.6 - 2.4 GPM / 2.27 - 9.08 LPM	2.41 - 40 GPM 9.09- 151 LPM	
	1-1/2" (15)	1.2 - 4.8 GPM / 4.54 - 18.17 LPM	4.81 - 80 GPM 18.18 - 303 LPM	
	2" (20)	2.25 - 9.0 GPM / 8.5 - 34.07 LPM	9.01 - 150 GPM / 34.08 - 568 LPM	
	3" (30)	4.5 - 18.0 GPM / 17 - 68.14 LPM	18.01 - 300 GPM 68.15 - 1136 LPM	
	4" (40)	9 - 36.0 GPM 34 - 136.28 LPM	36.01 - 600 GPM / 136.29 - 2271 LPM	

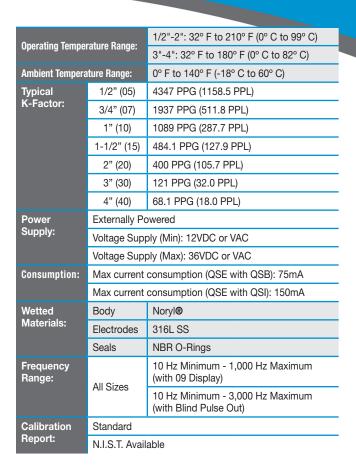
APPLICATIONS

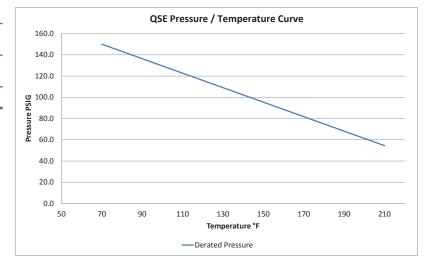
Turf / Irrigation

- · Agriculture Irrigation
- Turf Irrigation Systems
- · Micro Irrigation Systems
- HVAC
- EMS (Energy Management Systems)
- BAS (Building Automation Systems)

Institutional

- · Chilled water
- · Domestic water (hot and cold)
- · Energy sub-metering (BTU hot and cold)
- Process (blow down, make up, boiler feed, etc.)





APPROVALS

NEMA 6P

IP68



Service & Warranty: For technical assistance, warranty replacement or repair contact your FLOMEC® or GPI® distributor: In North or South America: 888-996-3837 / FLOMEC.net
Outside North or South America: +61 2 9540 4433 / FLOMEC.net

Wichita / Sydney / Mexico City

