QSE SERIES
Electromagnetic Flow Meter

QSE Series

The QSE Mag Series is a dependable, highly accurate electromagnetic flow meter 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 is 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 and water reclamation.

The meter is configured and monitored wirelessly through the FLOMEC® app. The app is available through the Google Play™ store, for Android systems only.

Economical
Low investment and operating costs

Modified bore
Slightly modified bore permits unobstructed flow, minimizes flow disturbances and straight pipe requirements

7 line sizes
½", ¾", 1", 1-½", 2", 3" and 4"

Highly accurate
± 0.5% accuracy of reading (from 0.25 fps to 15 fps)

Durable
Non-intrusive, no moving parts to wear out, maintenance, repair costs low and tolerates high flows without damage

Wireless
Configure and monitor meter through Android app

APPLICATIONS

- HVAC
- EMS (Energy Management Systems)
- BAS (Building Automation Systems)
- Chilled water
- Domestic water (hot and cold)
- Energy sub-metering (BTU hot and cold)
- Process (blow down, make up, boiler feed, etc.)

SPECIFICATIONS

Fitting Size/Fitting Type	NPT, BSP 1/2" to 2" - NPT (male), BSP (male) (Rc thread) 3" & 4" 150# ANSI flanged, polymer
Recommeded Plastic Flange Bolt Torque	25 ft.-lbs. (33.89 N·m)
Pipe Sizes	½", ¾", 1", 1-½", 2", 3", 4"
Pressure Rating	150 PSI @ 73 °F (10 BAR @ 23 °C)
Accuracy	±0.5% of reading between 0.25 fps and 15 fps (reference owner's manual for complete accuracy specifications)
Operating Temperature Range	½" to 2": 32 to 210 °F (0 to 98 °C) 3" to 4": 32 to 180 °F (0 to 82 °C)
Ambient Temperature Range	0 to 140 °F (-18 to 60 °C)
Power Supply	Externally powered Voltage supply (min.): 12 Vdc or Vac Voltage supply (max.): 30 Vdc or Vac
Consumption	Max. current consumption: 150mA
Wetted Materials	Body: Noryl Electrodes: 316L SS Seals: NBR o-rings

Frequency Range (all sizes)	10 Hz min. 3,000 Hz max. (with blind pulse out)
Calibration Report	Standard NIST available
Limited Warranty	2 years
Approvals	NEMA 6P (pending), IP67, CE, NIST, NSF, Canadian Standards Association

ORDERING INFORMATION

PART NUMBER	MANUFACTURER'S PART NUMBER	DESCRIPTION
FLOW WITH DISPLAY		
FLO-QSE05NPT09Q3XA	QSE05NPT09Q3XA	Noryl, Mag Flow meter, Display, pulse + 4-20mA-out, ½-inch ,NPT_outer-thd
FLO-QSE05BSP09Q3XA	QSE05BSP09Q3XA	Noryl, Mag Flow meter, Display, pulse + 4-20mA-out, ½-inch, BSP_outer-thd
FLO-QSE07NPT09Q3XA	QSE07NPT09Q3XA	Noryl, Mag Flow meter, Display, pulse + 4-20mA-out, ¾-inch, NPT_outer-thd
FLO-QSE07BSP09Q3XA	QSE07BSP09Q3XA	Noryl, Mag Flow meter, Display, pulse + 4-20mA-out, ¾-inch, BSP_outer-thd
FLO-QSE10NPT09Q3XA	QSE10NPT09Q3XA	Noryl, Mag Flow meter, Display, pulse + 4-20mA-out, 1-inch, NPT_outer-thd
FLO-QSE10BSP09Q3XA	QSE10BSP09Q3XA	Noryl, Mag Flow meter, Display, pulse + 4-20mA-out, 1-inch, BSP_outer-thd
FLO-QSE15NPT09Q3XA	QSE15NPT09Q3XA	Noryl, Mag Flow meter, Display, pulse + 4-20mA-out, 1-½-inch, NPT_outer-thd
FLO-QSE15BSP09Q3XA	QSE15BSP09Q3XA	Noryl, Mag Flow meter, Display, pulse + 4-20mA-out, 1-½-inch, BSP_outer-thd
FLO-QSE20NPT09Q3XA	QSE20NPT09Q3XA	Noryl, Mag Flow meter, Display, pulse + 4-20 mA-out, 2-inch, NPT_outer-thd
FLO-QSE20BSP09Q3XA	QSE20BSP09Q3XA	Noryl, Mag Flow meter, Display, pulse + 4-20 mA-out, 2-inch, BSP_outer-thd
FLO-QSE30FAP09Q3XB	QSE30FAP09Q3XB	Noryl, Mag Flow meter, Display , pulse + 4-20mA-out, 3-inch,flange
FLO-QSE40FAP09Q3XC	QSE40FAP09Q3XC	Noryl, Mag Flow meter, Display, pulse + 4-20 mA-out, 4-inch,flange
BTU WITHOUT DISPLAY		
FLO-QSE05NPTQBQ11A	QSE05NPTQBQ11A	Noryl, Mag BTU Flow meter, Modbus + pulse-out, ½-inch, NPT_outer-thd
FLO-QSE05BSPQBQ11A	QSE05BSPQBQ11A	Noryl, Mag BTU Flow meter, Modbus + pulse-out, ½-inch, BSP_outer-thd
FLO-QSE07NPTQBQ11A	QSE07NPTQBQ11A	Noryl, Mag BTU Flow meter, Modbus + pulse-out, ¾-inch, NPT_outer-thd
FLO-QSE07BSPQBQ11A	QSE07BSPQBQ11A	Noryl, Mag BTU Flow meter, Modbus + pulse-out, ¾-inch, BSP_outer-thd
FLO-QSE10NPTQBQ11A	QSE10NPTQBQ11A	Noryl, Mag BTU Flow meter, Modbus + pulse-out, 1-inch, NPT_outer-thd
FLO-QSE10BSPQBQ11A	QSE10BSPQBQ11A	Noryl, Mag BTU Flow meter, Modbus + pulse-out, 1-inch, BSP_outer-thd
FLO-QSE15NPTQBQ11A	QSE15NPTQBQ11A	Noryl, Mag BTU Flow meter, Modbus + pulse-out, 1-½-inch, NPT_outer-thd
FLO-QSE15BSPQBQ11A	QSE15BSPQBQ11A	Noryl, Mag BTU Flow meter, Modbus + pulse-out, 1-½-inch, BSP_outer-thd
FLO-QSE20NPTQBQ11A	QSE20NPTQBQ11A	Noryl, Mag BTU Flow meter, Modbus + pulse-out, 2-inch, NPT_outer-thd
FLO-QSE20BSPQBQ11A	QSE20BSPQBQ11A	Noryl, Mag BTU Flow meter, Modbus + pulse-out, 2-inch, BSP_outer-thd
FLO-QSE30FAPQBQ12B	QSE30FAPQBQ12B	Noryl, Mag BTU Flow meter, Modbus + pulse-out, 3-inch, Flange
FLO-QSE40FAPQBQ12C	QSE40FAPQBQ12C	Noryl, Mag BTU Flow meter, Modbus + pulse-out, 4-inch, Flange
BTU WITH DISPLAY		
FLO-QSE05NPT09Q11A	QSE05NPT09Q11A	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, ½-inch, NPT_outer-thd
FLO-QSE05BSP09Q11A	QSE05BSP09Q11A	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, ½-inch, BSP_outer-thd
FLO-QSE07NPT09Q11A	QSE07NPT09Q11A	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, ¾-inch, NPT_outer-thd
FLO-QSE07BSP09Q11A	QSE07BSP09Q11A	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, ¾-inch, BSP_outer-thd
FLO-QSE10NPT09Q11A	QSE10NPT09Q11A	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, 1-inch, NPT_outer-thd
FLO-QSE10BSP09Q11A	QSE10BSP09Q11A	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, 1-inch, BSP_outer-thd
FLO-QSE15NPT09Q11A	QSE15NPT09Q11A	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, NPT_outer-thd
FLO-QSE15BSP09Q11A	QSE15BSP09Q11A	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, 1-½-inch, BSP_outer-thd
FLO-QSE20NPT09Q11A	QSE20NPT09Q11A	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, 2-inch, NPT_outer-thd
FLO-QSE20BSP09Q11A	QSE20BSP09Q11A	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, 2-inch, BSP_outer-thd
FLO-QSE30FAP09Q12B	QSE30FAP09Q12B	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, 3-inch, Flange
FLO-QSE40FAP09Q12C	QSE40FAP09Q12C	Noryl, Mag BTU Flow meter, Display, Modbus + pulse-out, 4-inch, Flange