

FCS SERIES FUEL CONSUMPTION KIT

KIT INCLUDES:

- (2x) EGM Series Electronic Flow Meter
- (1x) F127 Totalizer
- (2x) Meter Brackets
- (2x) Fuel Strainer plus Connector
- Cable Glands



SPECIFICATIONS

Technology:		Oval Gear
Line Size:		¼" (6 mm)
		⅜" (8 mm)
		½" (15 mm)
		¾" (20 mm)
Material Housing:		Aluminum (Land) Stainless Steel 316 (Marine)
Fitting Type:		BSPP (G) (female) (ISO 228) NPT (female)
Flow Range:	EGM006	0.5-27 GPH (2-100 L/hr)
	EGM008	4-145 GPH (15-550 L/hr)
	EGM015	0.26-10.6 GPM (1/40 L/hr)
	EGM020	0.5-21 GPM (3-80 L/min)
Operating Temperature:		-40°F to 176°F (-40°C to +80°C)
Wetted Materials:	Rotor Materials:	PPS (Stainless Steel 316 for EGM006 flow meters)

KIT SELECTION

Although each Fuel Consumption Kit consists of the same items, the size of the flow meter and the process connections change depending on the rate of flow, which is a direct correlation to the size of the engine.

A typical diesel fuel loop system would on average have 3.5 times more fuel in its line than what the engine consumes at full load. With this in mind, selecting the right kit based on the engine's power output is important to ensure accuracy and the positive displacement flow meters' longevity.

The graph depicted on the next page should be used as a guide when determining the size of kit is required.



FLOMEC® Fuel Consumption System (FCS) is a complete fuel monitoring system that comprises 2x EGM positive displacement flow meters coupled with an F127 flow instrument for accurate measurement of fuel consumption rates and total fuel consumption. The FCS can accurately measure fuel consumption of combustion engines by correcting for temperature differences from the inlet to outlet of the engine. The EGM positive displacement fuel flow meter provides accurate and economic fuel consumption measurement solutions for all engine sizes.

FEATURES / BENEFITS

EGM Flow Meter

- Cable Length: 6.6 ft (2 m) (can extend using cable connector)
- Pulsating flow electronics eliminates error due to fuel injection pulsation, coupled with integral PT100 resistance thermometers
- Engine Power: 7.5HP - 5000HP (Please consult distributor for larger engines)

F127 Totalizer

- Display: 7 digit resettable total, 11 digit accumulative total with backlight
- Casing: Robust IP66/IP67 field enclosure
- Required Power Supply: 8-24V (dc) (back up power supply built in to save settings in case of power failure)
- Output Options: 4-20mA and Pulse output available

APPLICATIONS (Typical application but not limited to)

- Diesel engine on a ship (see warning below)

APPROVALS / WARRANTY

NEMA 6P

IP68



The Fuel Consumption System is designed for diesel fuel which is considered a flammable fluid by U.S. standards. **The Fuel Consumption System does not have FM Approval and should not be sold for use inside the U.S.**



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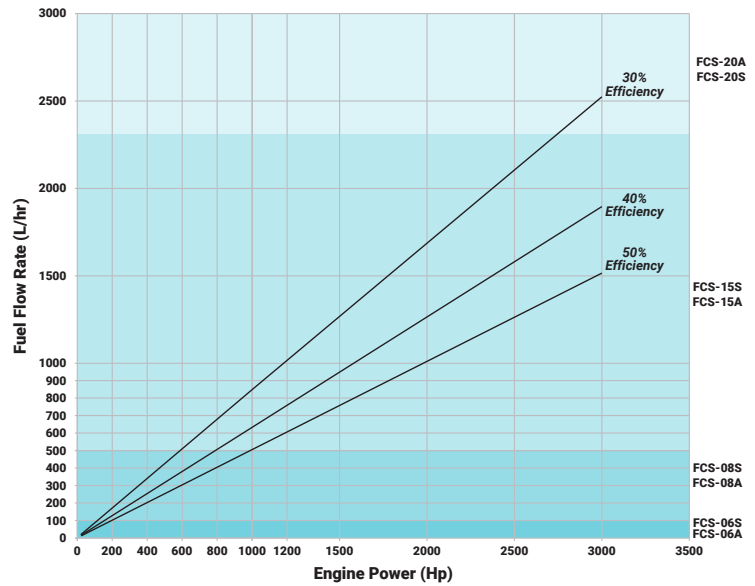


FCS SERIES

FUEL CONSUMPTION KIT

KIT SELECTION (CONTINUED)

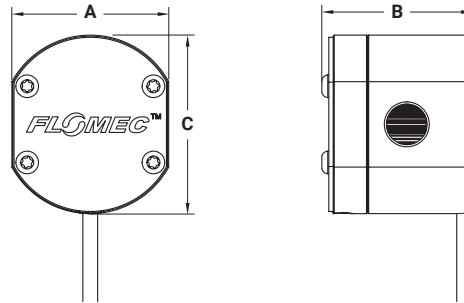
Model:	Process Connections	Meter Specifications Size Flow Range	
FCS-06AB	BSPP (G) (Female)	¼ in. (6 mm)	0.5-27 GPH 2-100 L/hr
FCS-06AN	NPT (Female)		
FCS-06S			
FCS-08AB	BSPP (G) (Female)	⅜ in. (8 mm)	4-145 GPH 15-550 L/hr
FCS-08AN	NPT (Female)		
FCS-08S			
FCS-15AB	BSPP (G) (Female)	½ in. (15 mm)	0.26-10.6 GPM 1-40 L/min
FCS-15AN	NPT (Female)		
FCS-15S			
FCS-20AB	BSPP (G) (Female)	¾ in. (20 mm)	0.5-21 GPM 3-80 L/min
FCS-20AN	NPT (Female)		
FCS-20S			



DIMENSIONS

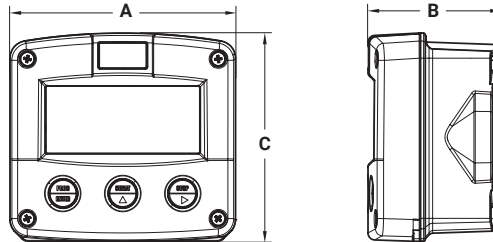
EGM Flow Meter

Meter Size	Dimension "A"	Dimension "B"	Dimension "C"
EGM006	2.3 in. (5.8 cm)	2.5 in. (6.4 cm)	1.5 in. (3.8 cm)
EGM008	2.3 in. (5.8 cm)	2.5 in. (6.4 cm)	1.9 in. (4.8 cm)
EGM015	2.8 in. (7.2 cm)	3.2 in. (8.2 cm)	2.6 in. (6.6 cm)
EGM020	2.8 in. (7.2 cm)	3.2 in. (8.2 cm)	3 in. (7.6 cm)



F127 Totalizer

Model:	Dimension "A"	Dimension "B"	Dimension "C"
Totalizer	5.1 in. (13 cm)	3 in. (7.6 cm)	4.7 in. (12 cm)



ACCESSORIES

Part Number:	Item	Description
1522056	F-Series Wall Mount Kit	Stainless Steel wall mount kit for F127 totalizer, screws included
1522052	F-Series Pipe Mount Kit	Stainless Steel pipe mount kit for F127 totalizer, excludes worm clamps
1522063	Worm Clamp Kit, 1.0-1.57" (25-40 mm)	Includes 2pcs of stainless steel worm clamps to suit #1522052 and pipe. OD from 1-1.57" (25-40 mm)
1522055	Worm Clamp Kit, 1.81-2.76" (46-70 mm)	Includes 2pcs of stainless steel worm clamps to suit #1522052 and pipe. OD from 1.81-2.76" (46-70 mm)
1519011	M16 Cable Gland	Includes cable gland, locking nut and o-ring
1519012	M20 Cable Gland	Includes cable gland, locking nut and o-ring
1519010	Cable Connector	7-Pin IP67 Polyamide Connector kit