



UK Flowtechnik

Specialists in flow metering, pumps, couplings
and process measurement equipment

PRODUCT DATASHEET



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Fuel Consumption Kit - Land & Marine



FLOMEC® Fuel Consumption System (FCS) is a complete fuel monitoring system that comprises 2x EGM positive displacement 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 meter provides accurate and economic fuel consumption measurement solutions for all engine sizes.

Technical Data

EGM Flowmeter

- Flow rates: 2 L/Hr - 80 l/min
- Sizes: 1/4" - 3/4" (6 mm - 20 mm)
- Engine Power: 7.5HP - 5000HP (Please consult distributor for larger engines)
- Temperature Range: -40°C - +80°C
- Body Material: Aluminium (land), Stainless Steel (marine)
- Rotor Material: PPS (Stainless Steel 316 for EGM006 meters)
- Cable Length: 2 metres (can extend using cable connector)

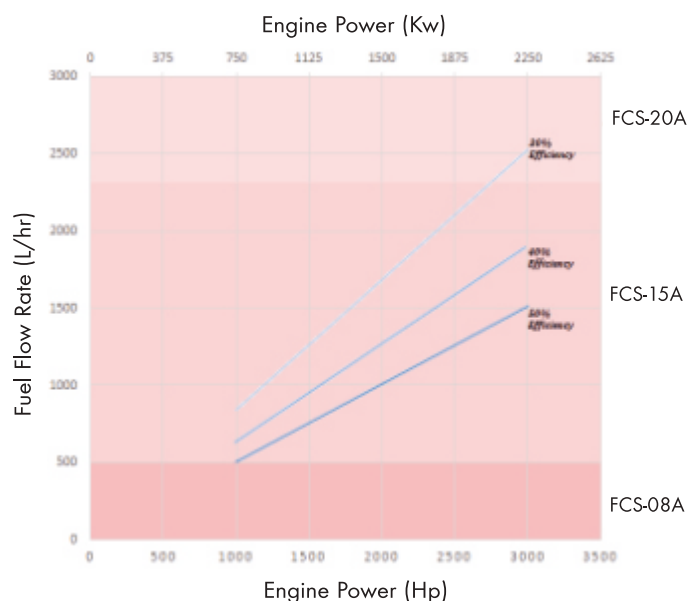
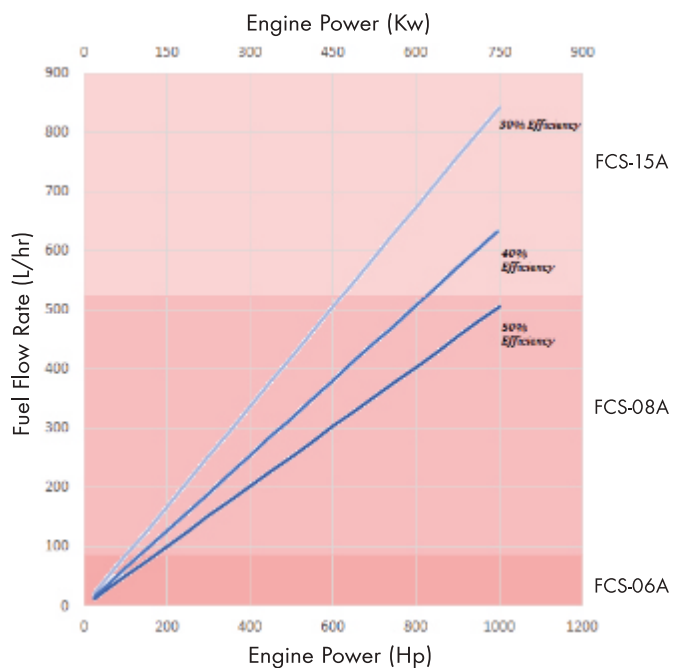
F127 Totaliser

- Casing: Robust IP66/IP67 Field Enclosure
- Display: 7 digit resettable total, 11 digit accumulated total with backlight
- Required Power Supply: 8 - 24V (dc)
- Temperature Limit: -40°C- +80°C
- Output Options: 4-20mA and Pulse output available

Kit Selection

Although each Fuel Consumption Kit consists of the same items, the size of the 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 meters' longevity. The graphs depicted here should be used as a guide when determining the size of kit is required.

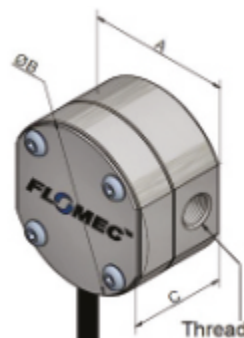


Dimensional Data

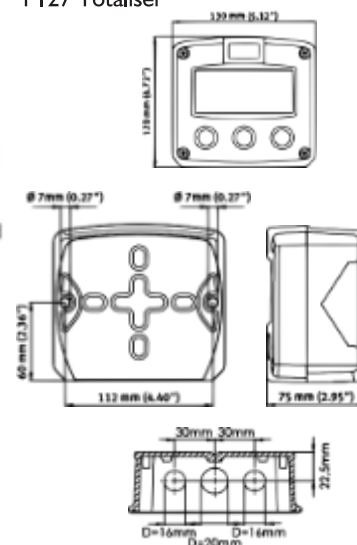
	A	B	C
EGM006 (mm)	58	64.5	39
EGM008 (mm)	58	64.5	49
EGM015 (mm)	72	82	66
EGM020 (mm)	72	82	77

Accessories

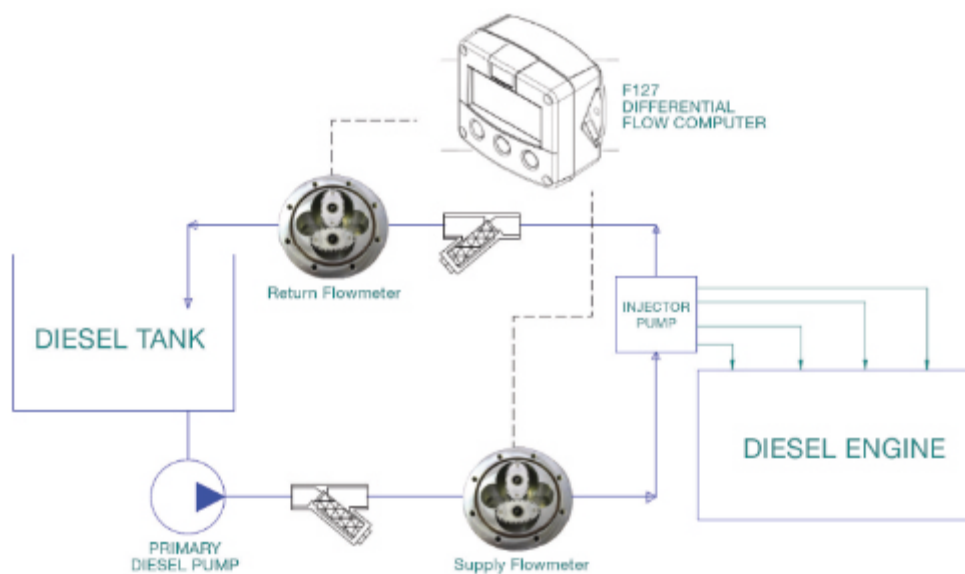
Stainless Steel Wall Mount Bracket	(Display) 1522056
Stainless Steel Pipe Mount Bracket	(Display) 1522052



F127 Totaliser



Ordering Information



FCS-08 A B

Meter Size	
2-100 L/Hr (1/4")	FCS-06
15-550 L/Hr (3/8")	FCS-08
1-40 l/min (1/2")	FCS-15
3-80 l/min (3/4")	FCS-20

Thread Style

BSPP female	B
NPT female	N

Body Material

Aluminium (land based systems)	A
316 Stainless Steel (marine based systems)	S

Kit Includes:

- 2 x EGM-Series Electronic Flowmeter
- 1 x F127 Totaliser
- 2 x Meter Brackets
- 1 x Fuel Strainer plus Connector
- Cable Glands