

NetFuel Diesel Fuel Metering Station

- Diesel Engines
- Generator Sets
- Net Engine Fuel Consumption in Real Time
- Engine Performance Testing
- EPA Compliance
- High 0.1% Accuracy
- Portable, Outdoor Rated
- Installs in minutes



INTRODUCTION

Maven Power introduces the *NetFuel* Metering Station for diesel or fuel oil fired engines and gensets: a turn-key net fuel metering solution for liquid fueled engines having an onboard or nearby fuel day tank. The metering station includes two helical positive displacement flow meters and directly displays net fuel consumption of the generator by simultaneously measuring supply fuel to the engine and return fuel to the day tank. The system automatically measures the difference in the two flow rates, corrects for temperature and flow differences, and displays actual fuel consumption in real time.

APPLICATION

Designed for outdoor use anywhere in the world, with its small size, light weight, and quick coupling connections, the metering module is portable and allows for performance testing of a single engine/generator unit or a large number of units in a short period of time. The assembly is purpose-built to allow for high accuracy determination of fuel consumption and subsequently, plant heat rate for engines up to 6700hp and gensets up to 5MWe. In addition, Maven Power configures and programs the controller/display specific to each customer's application (including four different languages), such that the module arrives at the client site turn-key ready.

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NETFUEL FEATURES:

- Construction: Corrosion resistant aluminum
- Temperature Correction: Temperature corrected measurement (critical for high temperature return fuel)
- Connections: Quick coupling connections (3/4") with sealing caps when not in use. Other connection types also available.
- Integral support base and drip pan
- Integral power cord to allow direct plug in at gen-set's auxiliary power supply.
- Outputs: Qty (2) 4-20mA analog or pulse outputs
- Installation: NETFUEL installs in minutes between the diesel engine and day tank using existing supply and return lines.
- Single flow meter can be used for one-way flow applications.

NETFUEL SPECIFICATIONS:

- Exterior Dimensions: Small footprint (24 x 18 in), Weight: 32 lb.
- Accuracy: 0.1% of rate
- Flow Range: 0.08 to 12.0 gpm
- Viscosity: 1 to 1,000,000 cSt
- Pressure: up to 600 psig
- Temperature: -4.0 to 257.0 deg F
- Power Supply: 120/230VAC 50/60Hz, 24VDC