

METERING • DIESEL, PETROL & KEROSENE

Fill-Rite 800 Series • 3-Wheel Mechanical Meter Range

Nutating disc meters that count fuel as it passes, with no power supply and nothing electronic to fail. Cast aluminium body, litre register, and four builds from a 3/4 inch inline meter to a gravity feed model with an inlet strainer.



19-76

litres per minute

±1%

accuracy

50 psi

max working pressure

Key features

- Nutating disc chamber passes rust and small debris that jam other meter types.
- Cast aluminium body and cover, rated to 50 psi (3.5 bar) working pressure.
- Three digit counter reads to 99.9 litres a batch, plus a lifetime totaliser.
- Field calibratable. One turn of the calibration screw is about 0.4 litres.
- Ports rotate to any of four positions, for horizontal or vertical pipework.
- Marked cULus Listed, CE and Ex II 2G c T6. Made in the USA.



Models

MODEL	GO SKU	PORTS	BUILD
807CL	807CL	3/4" BSP	Inline
807CL1	R1807CL1	1" BSP	Inline
806CL	R1806CL	1" BSP	Gravity feed, inlet strainer
807CNL1	R1807CNL1	1" BSP	Nickel plated, biofuel blends

Specifications

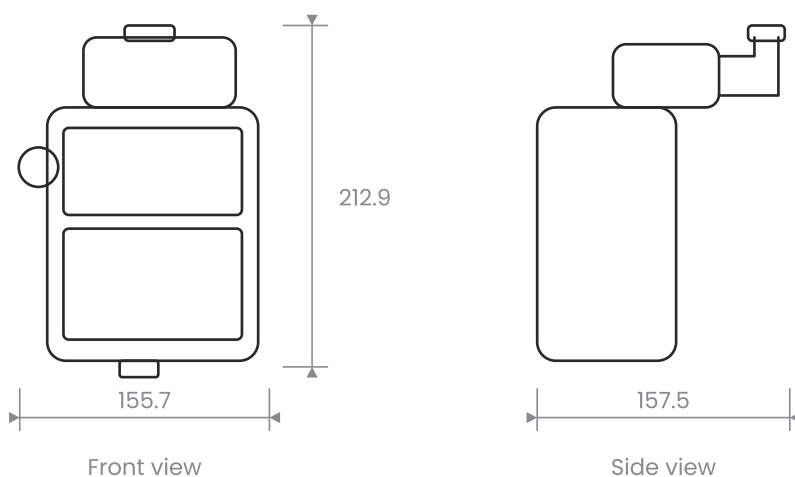
Flow range	19-76 L/min · 5-20 GPM
Accuracy	±1% of reading
Repeatability	±0.38%
Max working pressure	50 psi · 3.5 bar
Operating temperature	-26 to 66 °C · -15 to 150 °F
Measuring principle	Nutating disc
Register	Mechanical, three digit, litres
Batch capacity	99.9 L before the counter rolls over
Totaliser	Non-resettable, records lifetime volume
Power	None. Driven by the fluid
Body material	Cast aluminium

● READING THIS TABLE

All four are litre register builds, so the counter and the totaliser both read in litres. Fill-Rite's range brochure calls the BSP build BSPP while the 800C parts list names the same housing BSPT, so confirm the thread form before ordering adaptors.



Dimensions



806CL, redrawn from Fill-Rite drawing 806C-DIMENSIONAL. Millimetres.

MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
807CL / 807CL1	150 mm	175 mm	125 mm	1.95 kg
806CL	213 mm	156 mm	158 mm	2.36 kg
807CNLI	146 mm	127 mm	127 mm	1.81 kg

• WHERE THESE FIGURES COME FROM

Both drawings and the 806CL row come from Fill-Rite drawing 806C-DIMENSIONAL, which represents all 806C models. The 807 rows are published assembled figures, meter only.

Installation

- Supplied for horizontal pipework, left to right flow. An arrow shows the way.
- Rotate housing and chamber together for vertical pipe. Chamber faces the inlet.
- Use an oil and petrol resistant thread compound on every threaded joint.
- Do not exceed 50 psi. A check valve without a relief valve can crack the body.
- Calibrate against a known volume before use. One screw turn is about 0.4 litres.



Fluid compatibility

Compatible

Diesel, petrol, kerosene, mineral turpentine, heptane and hexane. Standard builds take biodiesel to B20 and petrol to E15. The nickel plated 807CNLI takes biodiesel to B100, petrol to E85 and non-potable water.

Not compatible

Bleach, hydrochloric acid, ink, sulfuric acid and salt water. Not for potable water or any fluid for human consumption, and not for fuelling aircraft. Check with the fluid supplier if you are unsure.

Wetted materials: aluminium, stainless steel, nickel, Ryton, PTFE, EPDM, fluorocarbon, Buna-N.

Service parts

PART	DESCRIPTION
800KTG2542	Repair kit, litre register, standard seals
800KTG2543	Repair kit, litre register, fluorocarbon seals
800F4081	Counter, litres
800G2535	Cover assembly, litres
TH18X418	Strainer kit, 1 inch BSP

Safety and warranty

- The faceplate is marked not to be used to measure liquid for resale. These meters record your own usage, not trade measurement.
- Read the operation and safety manual before installing. Misuse can cause injury.
- Do not smoke or work near an open flame when handling flammable fluids.
- Stop the flow and relieve pressure before opening the meter to clean or calibrate.

• WARRANTY

Two years against defects in material and workmanship, per Fill-Rite's published 800 Series warranty. Nothing here limits your rights under the Australian Consumer Law.

