

Countum Group

SATAM

Metering Solutions

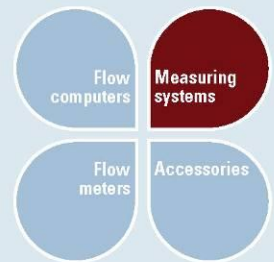


High capacity fuel dispenser

Q200

Q200 is designed for refueling of pleasure boats, worksite machinery and industrial vehicles. It is perfectly tailored to the requirements for safety, reliability and accuracy specific to these applications.

Equipped with a mechanical register, Q200 has a rugged design and an outstanding price / performances ratio.



1. Field of application

- Fuel distribution for rail locomotives, worksite machinery, mining and industrial vehicles, pleasure boats
- Fuel distribution for private fleets (fuel, diesel, gasoline)
- High capacity dispensing units: flow rate from 5 to 10 m³/h

2. Key points

• Reduced installation cost

This metering set is provided on a frame and is fully assembled, wired and tested in factory

• Reduced maintenance cost, safe to use

Simple, robust and reliable construction with minimal mechanical components, certified for use in hazardous areas.

• Certified for custody transfer

Metering unit certified for fuel custody transfer according to international regulations and local Weight and Measures authorities.

3. A fully modular design technology

Register module

- Mechanical register with manual reset, graduation in liters, 5 digits zeroing counter, and 8 digits totalizer.

Skid mounted measuring system

- support frame with product receiving drum to avoid spilling fuel on the ground
- Electro-pumping suction unit with Ex-proof motor, strainer and gas elimination device.
- Positive displacement meter ZC17 with built-in adjustment mechanism.
- Delivery flexible hose (6 ml length) equipped with automatic shut-off nozzle and spring hose retraction system
- Nozzle support.

A wide range of options for a customized solution

- Pulse transmitter for direct communication with a control room
- Flame proof equipments for register
- Hose stick for easier operation
- Emergency pumping unit in case of power fail

Technical data

Measuring system		Q200
Description		Fuel dispenser for fishing boats, industrials vehicles and rail locomotives
Maximum flowrate	m ³ /h	10
	l/mn	166
Measured parameters		Operating volume
Measured medium		Diesel, premium fuel, bio-diesel, methanol, bio-fuels
Equipments	Support frame	Carbon steel
	Cabinet housing*	Epoxy coated carbon steel
Product receiving drum		Epoxy coated carbon steel
Pumping unit		2 suction electro pumps (model ADGRP80ZYB) Flame-proof motors (power 2 x 0.75kW) Thermal protection embedded in motor's coil
Filter		120µm for diesel - included into the pump
Gas elimination device		Included into the pump
Positive Displacement meter		ZC17-12
Register		Mechanical register (VR7887) 5 digits resettable and 8 digits totalizer Manual reset to zero fitted on the side of dispenser
Delivery hose	Diameter	32 mm
	Length	6 ml
Grounding system		Included
Nozzle		Automatic shutoff nozzle
Nozzle hook detection		Electric switch model BARTEC
Operating conditions	Pressure	3 bar max.
	Temperature	-20°C to +55°C (liquid : -10°C to +50°C)
Metrological performances	Volume accuracy	≤±0.15%
	Volume repeatability	≤±0.02%
Installation	Protection class	IP53
	Relative humidity	95% max. without condensation
	Climate	Marine, tropical and industrial
	Power supply	400VAC 50Hz or 230VAC 50Hz (pumping unit) ATEX II 2 G Ex IIA T3 - 13617-1
	ATEX	Evaluation certificate MID n°LNE 11052 (ZC17) Compliant with OIML R117-1 et API
Custody transfer approval		Height x width x depth : 1460mm x 495mm x 415mm
Dimensions		
Floor plan		<p>The diagram shows a top-down view of the dispenser's base. It is a rectangular unit with a total width of 319 mm and a total height of 350 mm. There are four mounting holes, each with a diameter of 14 mm, located at the corners. The distance between the inner edges of the mounting holes is 195 mm horizontally and 243 mm vertically. The distance between the centerlines of the mounting holes is 134 mm horizontally and 169 mm vertically. A nozzle assembly is shown on the right side, with the label 'aspiration produit' pointing to it.</p>

(* : option)

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