FUELSAMPLER

PRODUCT CATALOG

2026



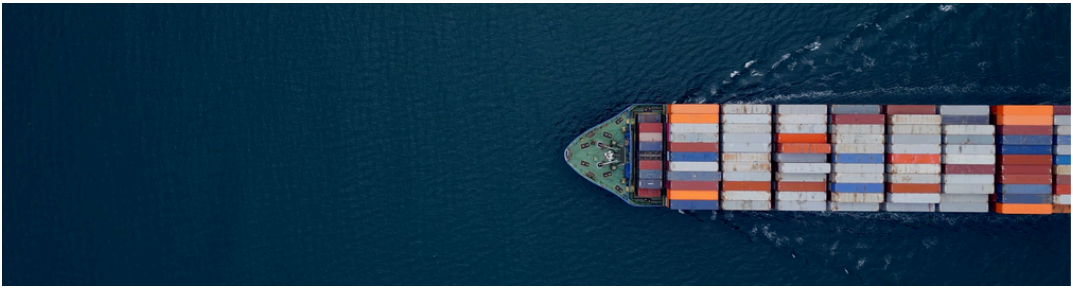
marco marine



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HISTORY OF THE FUELSAMPLER



Marco Marine's "Fuelsampler" was enginered as a practical solution to a specific problem in shipping: the need for accurate and fully documented fuel sampling during bunkering. With stricter environmental requirements and regulations from, among others, MARPOL, it became necessary to ensure that the samples were representative of the entire delivery – something traditional manual methods could often not guarantee. Marco Marine, which had experience with diesel engines and fuel systems, therefore developed an automatic and continuous sampling solution. This led to the Fuelsampler, including the FS5051 model, which could take time-proportional samples and thereby improve both accuracy and documentation. The product evolved from an internal custom solution to a standardized and certified product, including ATEX approval. Today, it is widely used in the maritim industry to ensure fuel quality, comply with regulations, and avoid disputes.

AUTOMATIC, TIME PROPOTIONAL SAMPLING





PRICE €11.205,00

Ordernumber: MA/FS5051-SIN

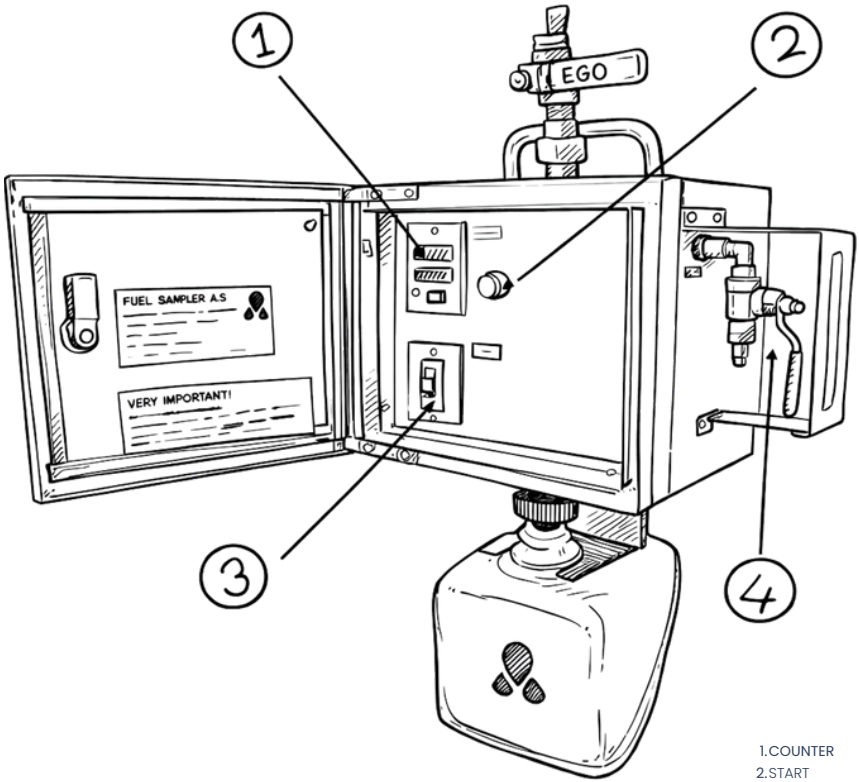
PRICE €12.165,00

Ordernumber: MA/FS5051MO

FS5051 AND FS5051 MOBILE

The Fuelsampler is designed and developed in-house specifically for the maritime industry. The fuel-sampling device ensures accurate fuel sample volume during vessel fuel bunkering. The Fuelsampler is connected directly to the fuel bunker manifold through a specially developed probe.

During operation the Fuelsampler collects a 5 L or 10 L sample volume in a cubitainer. At the end of operation, the Fuelsampler automatically stops according to the customer preset values specific to the bunker operation time specifications.



1.COUNTER
2.START
3.TIMER
4.INLET AIR VALUE

WHAT ARE THE SPECIFICATIONS?

- **Manufacturer: Marco Marine A/S**
- Model: FS5051 / FS5051
- Type: Automatic Continuos Bunker Sampler
- Automatic, time-proportional sampling

- Compliances:
- ATEX: II 2G Ex h IIB T4 Gb
- DNV: DNV-CP-0212
- MARPOL: 73/78 annex VI Reg. 18
- MPEC: 182(59)

- Materials:
- AISI 316 stainless steel
- Steel
- Brass
- Nickel plathed brass
- Aluminium
- POM - Polyoxymethylen
- PA12 - Polymide
- NBR - Nitrile butadiene rubber

SPECIFICATIONS AND PREPARATION

- Size: 400 x 370 x 240 mm - open lid
- Size: 400 x 370 x 470 mm - closed lid
- Weight: 11 kg
- Material AISI 316

- Max. air inlet pressure: 8 bar
- Min. air inlet pressure: 6 bar
- Max. oil inlet pressure: 16 bar (PN16) (232Psi)
- Min. oil inlet pressure: 0,5 bar (vaccum)
- Max. oil sample volume: 10.000 ccm (10 L)
- Min. oil sample volume: 7,5 ccm (pr. cycle)

- Max. Sampling time: 10 hours
- Min. Sampling time: 3,0 sec
- Max. oil sample viscosity: 400 cSt
- Min. oil sample viscosity: 2,5 cSt

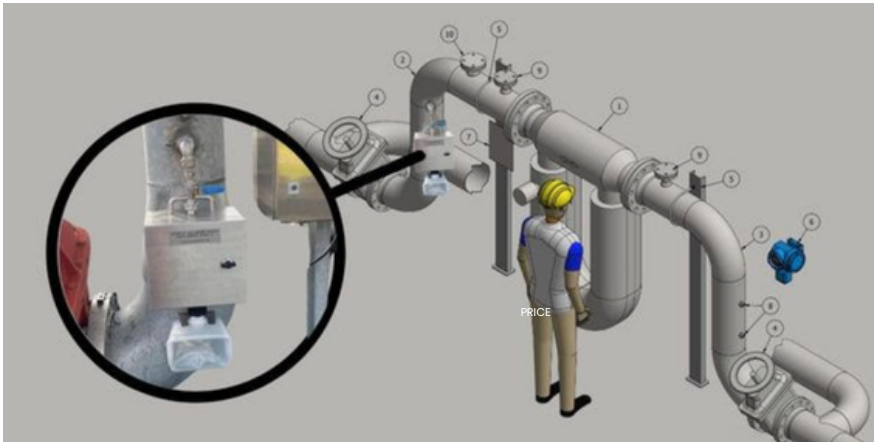
- Power source: Pneumatic (non electric)
- Sample container type: Cubitainer vol. 5 L & 10 L





Our fuel sampler undergoes an extensive preparation and testing procedure before shipment. The unit is thoroughly inspected, with all mechanical components, valves, and connections checked for correct operation and leak-tightness. The electrical functions are verified, and the control system is tested to ensure stable and accurate operation.

Any necessary adjustments are made so the unit meets our specifications and quality requirements.
The result is a fully tested and reliable fuel sampler that is ready for installation and use upon delivery.



THE INSTALLED SAMPLER

The Fuelsampler device is installed and connected by a special probe directly into the bunker manifold as per Marpol annex VI requrements.

CERTIFICATIONS

DNV: TAP00000ZX
DTI ATEX: DTI 23ATEX0314X

...YOUR FUEL, OUR FOCUS!



WHAT ARE THE BENEFITS?

- High flexibility and reliability.
- Easy integrated flush system for cleaning and storage purposes.
- Insures sufficient sample volume.
- No overflow.
- MARPOL and MEPC.96(47) compliant.
- Time proportional sample.
- ATEX approved zone 1.

COSTUMERS REFERENCE LIST

During the last 10 years we have delivered approximately 80 Fuelsamplers around the world.

CM Technologies GmbH

Maersk A/S

AMS Barging Swiss AG

Unibarge Shipping Swiss AG

Project Materials BV

John H Whitaker (Tankers) Ltd



MOUNTING PLATE

Back plate for mounting of FS5051 on bulkhead or beams. Stainless steel with pre-drilled holes for easy installation. Very rigid and protects the sampler.

PRICE €415

Ordernumber: M/44.01AI

HOSE

Insulated hose 2mtr.
Fire resistant

PRICE €950

Ordernumber: MA/HOSEINS3/8 2MTR





PROTECTION “COAT”

FUse this for protection of the fuel sampler in bad wheather conditions and to stay warm.

PRICE €415

FLUSHING TANK

Flushing tank and station for flushing and docking of the sampler. Used for cleaning of the fuelsampler. Comes in 1 and 2,5 L. Made in stainles steel.

PRICE €790/940

Ordernumber: MA/43.2.5LTRCOMP-SIN





SAMPLING BOTTLES

All bottles include caps and seals. HDPE plastic 750 ml. Designed to allow hot oils from sampling.

PRICE €3 EACH

Ordernumber: MA/43.BOTTLE0.75

CUBITAINERS

Disposable cubitainers in HDPE (translucent) plastic with build-in caring handle for safety transport and handeling.

PRICE €4

Ordernumber: MA/43.CUBI10 & MA/43.CUBI5





SEALS

Disposable cubitainers in HDPE (translucent) plastic with build-in caring handle for safety transport and handeling.

PRICE €3

Ordernumber: MA/43.SAMPLESEALBLUE

PROBES

Sampling probe DN150/200 and DN250/300.
Probe for flange mounting. Size and design depend of installation. All in stainless steel.

PRICE €730

Ordernumber:
MA/P50L200BO-1.5-SIN & MA/P50L300BO-1.5-SIN





Additional pricelist

Exchange sampler

All types are including 1pce standard flushing units, but excluding sampling probes

€4.215

Service contract

Based on Bunker interval recommended service every 2nd year

€560/YEAR

Comissioning

€1.150/DAY



CONTACT US

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