



# AVIDYS 540 PORT REFUELLING



Dispensing equipment



LAFON has taken into account the specific and difficult operating conditions encountered on port and has developed dispensing equipment that is dedicated to the high flow rates of 12 - 20 m<sup>3</sup> per hour used for AVIDYS 540

## A VALUE PRODUCT

In contrast to the more traditional cabins that are usually found, AVIDYS 540 is a true dispensing device which provides users with services similar to those found in a normal service station.

AVIDYS 540 is different because of its incomparable ergonomics for the user and its very high robustness. Its industrial design and mass production means it has also obtained the rigorous LNE, ATEX and CE certifications.



## PRODUCT

- High robustness
- Rigorous certifications :LNE, ATEX and CE
- Electronic processor
- Multi options product

## ADVANTAGES

### Safety : Regulatory compliance and more

- Explosive atmosphere safety with ATEX certification and file submitted to INERIS
- Base acts as a storage tray for better environmental protection
- Emergency stop button
- Completely closed bodywork (no user access to sub assemblies : compliance with Machines Directive)
- Integrated equipotential cable reel

### Ergonomy

- Benefits from stainless steel bodywork on a treated chassis
- Single loop self-guiding hose reel making electrically assisted reeling easier
- Electronic processor:
  - Volume automatically returned to zero when pistol is unhooked, volume and price displays in metrological version
  - Greater readability of backlit LCD displays
  - Mechanical totaliser available (as an option)
  - Simple connection to terminal or management system (Hectronic, Lafon,...)
  - Programming by infra-red remote control with 4-line LCD data display and electronic calibration

## Ergonomy

- Automatic pistol in the 12 m3 per hour version and manual for other versions
- Complete access by removing panels on all four sides (facilitates maintenance)

## Robustness

- Stainless steel bodywork
- Internal pipe work in stainless steel tubes
- Hydraulic sub-assemblies famous for their reliability
- Complete user/maintainer guide with clear exploded views and references for all parts
- Quality and traceability ensured by the design and mass production

## TECHNICAL SPECIFICATIONS

### Products distributed

- Diesel and fuel oil

### Regulatory conformity

- Safety in explosive atmosphere  
ATEX Ex II 2G IIB T3
- EC marking
- Legally approved metrology (volume/price version)
- Base acts as a storage tray for better environmental protection
- EN 1361 compliant hose
- Integrated emergency stop button
- Regulatory and product stickers

### Dispensing line

- Single loop self-guiding hose reel with hose guide
- Reel motor protected by thermal relay (rearmed by push button) :
- 12 m3 per hour version : 30 ml in DN 32, ZVF 32 automatic nozzle
- 20 m3 per hour version : 25 ml in DN 38, ZVF 40 manual nozzle
- EN 1361 hose

### Footprint

- Weight : 500 kg depending on the version
- Footprint (mm) : see drawing

### Hydraulic module

- Cleanable protective pre-filter
- Vane pumps : 12 m3 per hour or 20 m3 per hour version
- Foam re-injection device at pump entry or tank return
- Three phase ATEX 380 V electric motor with adapted power output
- Dilatoflex Ø 65 pipe connections

### Measuring assembly

- Counter / degasser with vanes
- Eltomatic two channel impulsion emitter
- Electronic processor with backlit LCD display, programming by remote control and electronic calibration :
- volume only version
- volume / price version: IFSF communication protocol.
- Approved for legal metrology

### Variant

- Can be configured with remote electrical pump unit

### Options

- Mechanical volume totaliser
- Microfilter 5 to 25 µ
- Water separating micro-filter and draining water

