



### Standard Features

Nominal Flow Rate: 40/65lpm  
(Refined Petroleum Products)  
Nominal Flow Rate: 25lpm  
(LPG)  
Electro Mechanical Totalizers  
Preset Function  
LCD Back Light Display 34mm  
Electronic Calibration  
Automatic Temperature compensation  
ATEX 2014/34/EU  
MID 2014/32/EU

### Optional Features

EMV pay at the Pump  
Interface with OPT Systems.  
RFID Transactions  
On Pump printer  
Vapor Recovery Stage II  
Hose Retraction

### Combi MPD-8000 Series provides:

1. High accuracy Flow Meter  
eliminates loss of product.
2. State of art Electronics
3. Robust Construction
4. Visual Standards according  
to customer's needs
5. Low total life cycle cost
6. Efficient long standing support  
on genuine Spare Parts
7. Fast deliveries
8. Extended Warranty

# COMBI MPD-8000 SERIES

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## Design features



### STATE OF ART PRODUCTION FACILITIES

- Production facility housed in an industrial building of 3500m<sup>2</sup>. To comply with the up-to-date technological market requirements the production is equipped with state of art equipment such as punching machines (CNC), testing facilities, underground fuel depots and MRP warehouses software.
- Production facility certified according to ATEX 2014/34/EU and MID 2014/32/EU Directives.



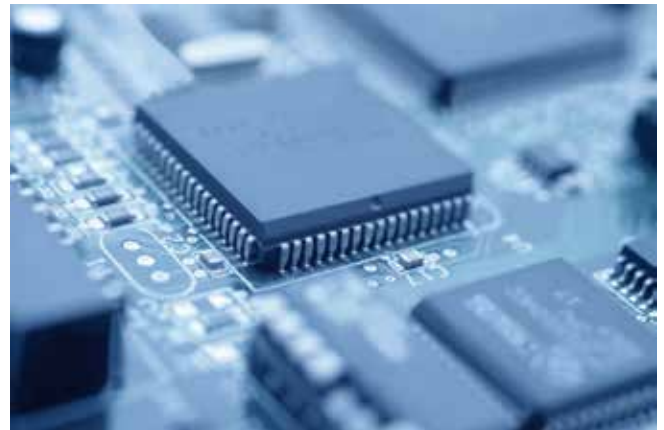
### EXTERIOR HOUSING

- Galvanized Steel Metal Panels, powder coating paint for excellent appearance, maximum protection and long life.
- Durable construction in harsh environmental conditions.
- Stainless Steel Metal Panels (optionally)



### HYDRAULICS

- High quality hydraulic components designed for Easy Installation, Simplicity on Operation and Minimum Maintenance Requirements.
- Flow Meters (Refined Petroleum Products & LPG) and Pumping Unit (Refined Petroleum Products) are certified according to MID 2014/32/EU Directive, ensuring highest accuracy.

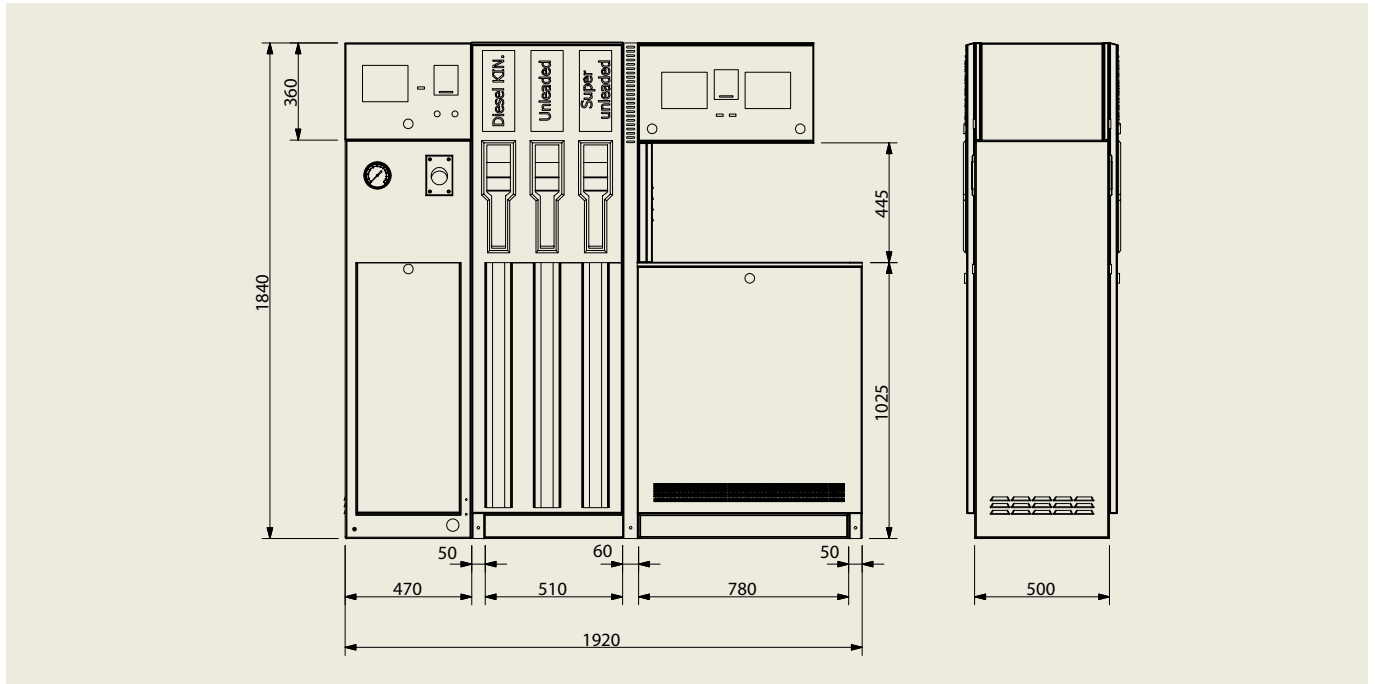


### ELECTRONICS

- R&D Electronics Dept. manned with certified engineers, offering tailor made solutions.
- Electronics according to latest technology, with password MID Certified.
- Built in diagnostics with error codes indicated in state of the art LCD Backlight Displays.
- IFSF Communication Protocol.

# COMBI MPD-8000 SERIES

## Technical Specs



RETAIL FUEL DISPENSER ▶ SUCTION TYPE OR PRESSURE TYPE ▶ UP TO 8 HOSES & 4 PRODUCTS + 2 NOZZLES LPG

**FLOW RATE: 40 / 65 lpm (Refined Petroleum Products)**

### Flow Meter

Positive displacement meter, corrosion proof, composed of materials with long-life and long-wear characteristic.

Measuring accuracy within:  $\pm 0.2\%$ .

Cylinder cover adjustment device provides easy field calibration.

Min. Flow rate: 5 lpm

Max. Flow rate: 90 lpm

Applicable with unleaded gasoline 15%-20% MTBE / Gas Oil / kerosene

MID Certification

### Suction Pump

Sliding vane type (Optionally Gear Type)

Suction head 4 meters.

With air eliminator, micro filtration, adjustable by-pass valve and control valve.

Min. Flow rate: 5 lpm

Max. Flow rate: 90 lpm

MID Certification

### Electronics

Atmel AVR Risc-Processor

Accuracy class: 0.5

Electromagnetic environment class: E1

Automatic Temperature Compensation

Self diagnostics

MID Certification

**FLOW RATE: 25 lpm (LPG)**

### Flow Meter

Accuracy:  $\pm 0.6\%$

Inlet thread: 1" BSPP

Outlet thread: 3/4" NPT

### Differential Valve

Main body: Nodular cast iron

O-rings: NBR

Membrane: NBR

### Filter

Inlet thread: 3/4" NPT

Outlet thread: 3/4" NPT

Filter mesh: 20 microns

### Electronics

Atmel AVR Risc-Processor

Accuracy class: 0.5

Electromagnetic environment class: E1

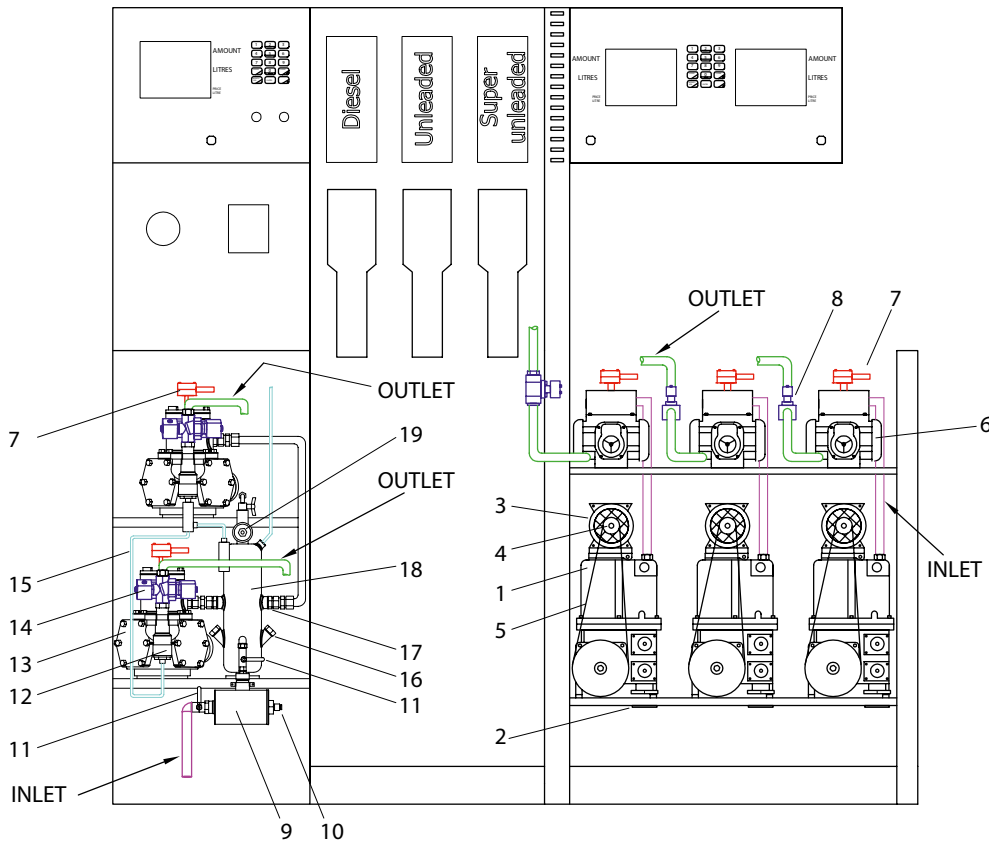
Automatic Temperature Compensation

Self diagnostics

MID Certification

# COMBI MPD-8000 SERIES

## Design features



I/N	DESCRIPTION
1	PUMPING UNIT
2	INLET ADAPTOR
3	ELECTRIC MOTOR
4	PULLEY
5	V-BELT
6	FLOWMETER
7	PULSER
8	SOLENOID VALVE (FUEL)
9	FILTER
10	PURGE VALVE
11	BALL VALVE
12	DIFFERENTIAL VALVE
13	FLOWMETER
14	SOLENOID VALVE (LPG)
15	VAPOUR RETURN LINE
16	ATC PROBE
17	CHECK VALVE
18	GAS SEPARATOR
19	CALIBRATION PORT

## Spyrides Dispenser Range



## Documentation

- Installation, Operation and Maintenance Manual
- Parts Manual
- Warranty Declaration
- All relevant Certificates

## **SPYRIDES GROUP**