

GRAVITRONIQUE

Turbine metering system
dedicated to deliveries by
pump and gravity



GRAVITRONIQUE

Application

Enables delivery by pump and gravity of all refined hydrocarbons and AdBlue, through full and wet hose for semi and rigid trucks.

- Deliveries by pump and gravity through a turbine meter
- Return product system with automated manifold control
- Full automated delivery by preset, preset with anticipated purge or free mode
- Automated purge for optimization of declassified product quantity (5 liters max.)
- Delivery note and/or customized invoice printing
- On-board data system



Product certification



Material in conformity with
Measuring Instruments
Directive 2014/32/EU



ISO 9001 : 2015



ATEX conformity
Zone 1, II 2 G



European certifications in
accordance with directives
concerning measuring
instruments and equipment
installed in explosive area

Constitution

- | | |
|-------------------------------------|---|
| ■ 4" ADRIANE Turbine: | <ul style="list-style-type: none"> - High accuracy and repeatability - Equipped with pulse emitter - Multi-product |
| ■ MICROCOMPT Electronic calculator: | <ul style="list-style-type: none"> - Ergonomics strengthened - Fully automated delivery process - Bluetooth, Wifi, GSM & GPS integrated in the box |
| ■ Pressure sensor: | <ul style="list-style-type: none"> - Preset & flow dynamic management - Gas detection |

Product benefits

- | | |
|--|---|
| <ul style="list-style-type: none"> ■ No gas separator ■ Both automated & anticipated deliveries, rinse and purge ■ Compact size & lightweight | <ul style="list-style-type: none"> ■ Multi-product delivery with no pollution ■ Fast delivery with low pressure drop ■ Multi connections |
|--|---|



Key features

GRAVITRONIQUE is an extremely compact measuring system for semi and rigid trucks. MID certified, it is intended for pump and gravity-flow deliveries of diesel and petrol to both professional and private customers.

The technical sophistication of our ADRIANE turbine enables the GRAVITRONIQUE to deliver with ease, by pump or gravity, all fuel types, through a very light and compact installation without mechanical gas separator and through one high precision measuring chamber.

The MICROCOMPT+ electronic calculator, connected to our electro-pneumatic control box, enables a continuous regulation of the flow rate and manages automatically the entirety of the

distribution process, such as presetted quantites, anticipated purges and product movements.

For optimization of their delivery tours, drivers can anticipate the carburant to deliver to the next customer, avoiding tedious manual procedures of rinsing/purge the delivery hose. GRAVITRONIQUE helps to avoid cross pollution and fuels mixing thanks to a securized sequences of product movements, product returns, purging, rinsing...

By using reliable and unrivalled durability of our products, clients can easily connect to the installed software, are guaranteed a greater traceability of data, like measurement reports, make their deliveries safe, improve their productivity and minimize the need for maintenance interventions.

GRAVITRONIQUE

Metered liquids:	All refined hydrocarbons (Heating oil, diesel, fuel, jet, AdBlue**, etc.)
Flow rate:	8 - 80 m³/h 130 - 1330 l/min
Accuracy class:	0,5
Accuracy:	0,1%*
Repeatability:	0,02%
Scale interval:	1L
Min. pressure:	Min.P≥0,3 bars (pumped) Patm (gy gravity)
Max. pressure:	20 bars
Compartment Number:	Up to 6
Ambient temperature :	-25°C to +55°C
Weight:	19 kg
Temperature probe:	PT 100
Communication:	Serial link, Wifi, µSD, bluetooth, RFID
Control box:	Electro-pneumatic
Printer:	EPSON TM-U295
Certificate:	CET LNE- 27785 (MID)

* Depending on the conditions of use

ADRIANE Turbine

Body:	Aluminum or stainless steel**
Size:	4" DN100 TTMA
Viscosity:	13 mm²/s max.
Certificate :	LNE-12393 (Welmec Guide 8.8)

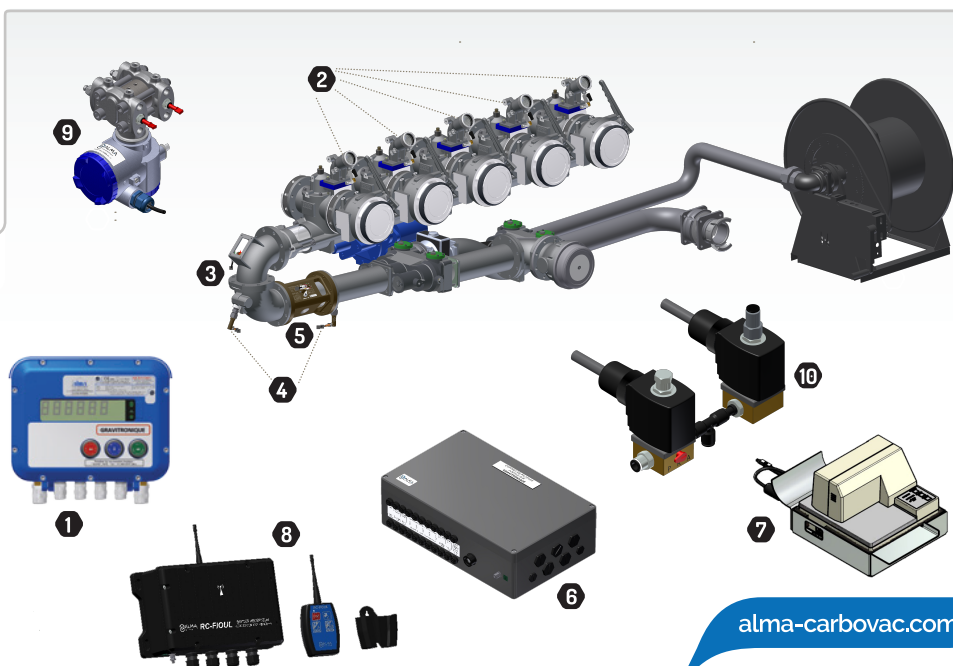
MICROCOMPT+ Calculator

LCD screen:	- Easy reading & simple navigation menu - Alarm messages integrated - Units L, m³/h, L/min, °C - Multi-language
Power supply:	24 VDC
Memory:	365 days
Printing:	- End of day recap - Log of events - Delivery note - Invoice

Certificate :	LNE-13624 (Welmec Guide 8.8)
---------------	------------------------------

Options

Temperature conversion:	15°C or 20°C
Output deliveries:	2 hose reels + 1 direct output
Remote control:	3 or 4 buttons
System control:	- Product return - Additivition pump - Overfilling probes - Adblue
Assembly:	Single or dual manifold
On-board computer connection	
Communication :	Bluetooth, Wifi, GSM, GPS



- 1 Electronic calculator - (Ex) II 2(1) G Ex [Ia Ga] IIB T4 Gb
- 2 Product return valves
- 3 Temperature probe - (Ex) II 1G Ex Ia IIC T6 Ga ou II 2G Ex ma II T4 Ga
- 4 Gas detector - (Ex) II 1G Ex ia IIB T4
- 5 Turbine with sight glass - (Ex) II 2 G c IIC T6
- 6 Control box
- 7 Printer
- 8 RC FIOUL remote control*
- 9 Pressure sensor - (Ex) II 1GD EEx ia IIC T5 ou II 1GD EEx ia IIC T4
- 10 Solenoid valve kit - (Ex) II 2 G Ex mb IIC T4 Gb

*Options