ALMA
Metering & Transfer Solutions

GRAVICOMPT MANIFOLD

Turbine gravity metering system with manifold

GRAVICOMPT MANIFOLD

Application

Enables delivery by gravity of all refined hydrocarbons through multi-compartment manifold and a turbine for semi and rigid trucks.

- Anti-pollution automated delivery management
- Dry manifold at the end of delivery
- Full automated delivery by preset or free mode
- Delivery note & end of day recap
- On-board data system connection

Product certification

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

ISO 9001:2008 — ISO 9001 : 2008

Ex — ATEX conformity Zone 1, II 2 G

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

Constitution

- **4" ADRIANE Turbine:**
  - High accuracy and repeatability
  - Equipped with pulse emitter
  - Multi-product
- **MICROCOMPT+ Electronic calculator:**
  - Ergonomics strengthened
  - Fully automated delivery process
- **Dual flow output valve**
- **Preset & flow dynamic management**

Product benefits

- No mechanical gas separator
- Automated delivery management
- Multi-product delivery with no pollution
- Compact size & lightweight
- Fast delivery with low pressure drop

GRAVICOMPT MANIFOLD

Key features

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

The technical sophistication of our ADRIANE turbine enables the GRAVICOMPT MANIFOLD to deliver all fuel types, with ease and by gravity flow. Its design is light and compact. With no mechanical gas separator, it comprises just one high precision measuring chamber.

The MICROCOMPT+ electronic calculator enables continuous regulation of the flow rate. It automatically controls the entirety of all delivery procedures, such as predetermined or complete deliveries.

Through the secure sequence of product movement associated with the system, pollution and product cross-contamination are avoided.

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

GRAVICOMPT MANIFOLD

Mesured liquids:	All refined hydrocarbons *(heating oil, diesel, fuel, jet etc.)*
Flow rate:	8-80 m³/h 130-1300 l/min
Accuracy class:	0,5
Accuracy:	0,1%*
Repeatability:	0,02%
Scale interval:	1L
Max. pressure:	20 bars
Compartment:	up to 10
Temperature:	-25°C to +55°C
Weight:	75 kg manifold included
Communication:	MODBUS or serial
Certificate:	LNE-20517 (MID)

** Depending on the conditions of use*

ADRIANE Turbine

Body:	Aluminum
Size:	4" DN100 TTMA
Atex:	**II 2 G c IIC T6**
Viscosity:	13 mm²/s max.

MICROCOMPT + Calculator

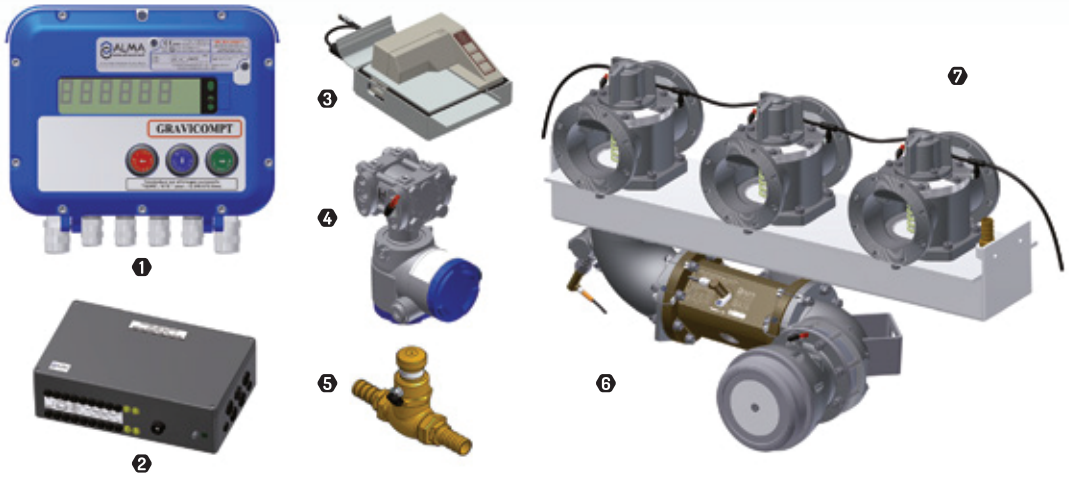
LCD screen:	- Easy reading & simple navigation menu - Alarm messages integrated - Units L, m³/h, L/min, °C - Multi-language
Powersupply:	24 VDC
Atex:	**II 2 (1) G Exd [ia Ga] II B T6 Gb**
Memory:	365 days
Printing:	- End of day recap - Log of events - Delivery note - Invoice

Options

Temperature conversion:	15°C or 20°C
Printer:	EPSON TM-U295
Control box:	For electrical and pneumatic connection interface
On-board computer connection	
Equipped manifold	

GRAVICOMPT MANIFOLD

1. Electronic calculator
2. Control box (optional)
3. Printer kit
4. Pressure sensor
5. Vent valve
6. Equipped manifold
7. Temperature probe



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