



GRAVICOMPT

On-board Gravity Metering Unit

The industrial solution for gravity measurement at gas stations.



For Semi trailers and rigid trucks



By Compartment, Single or Dual



With pneumatic manifold
1 or 2 manifold by truck





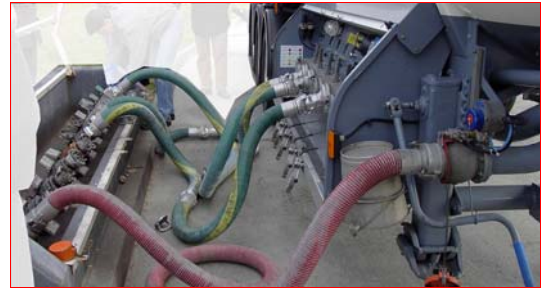
Gravity Metering Unit GRAVICOMPT

Measured Deliveries

GraviCompt is the answer for the today petroleum marketing, in accordance with API bottom loading and vapour recovery regulations.

The **alma GraviCompt** Measurement set can be settled in many hydraulic and electronic arrangements as to fit with your business:

- **by compartment** : the Turbine is directly bolted to the API valve, as part of the API Bottom Loading-Unloading 4" piping.
- **with manifold** : the **GraviCompt** Turbine is fitted at the *exit* of a pneumatic manifold; 2 independent manifolds can be mounted on the tank
- **mixed**: a tank can be equipped with the two kinds of **GraviCompt** : *for example*, a manifold on the central (3 up to 5) compartments, and direct *by-compartment* **GraviCompt** for the others compartments.



GRAVICOMPT Concept

Specially designed for on-truck applications, the GraviCompt Turbine Meter is composed of a 4" Turbine and of an Exproof Electronic Indicator / Batch controller:



alma 4" ADRIANE Turbine, mainly offers :

- High accuracy, repeatability & reliability
- Efficient double pulse transmitter for low flow control
- Very low pressure drop, optimum flow-rate
- Flow range: 8-80 m³/h, TTMA flanges, Sight glass
- Reverse flow 150 m³/h for bottom loading
- Category: Ex II 2 G
- Pulse transmitter 2H00: Ex II 2 G (m) or Ex II 1 G (ia)



alma Electronic Controller MICROCOMPT:

- Category: Ex II 2 (1) G
- Compliance with OIML R. 117 & EMC
- Controls delivery operations, flow regulation, quantity preset
- Connection to Cab Printer, Bill of delivery, Bills, Reports
- Allows compartment Sealing, connection to on-board computer
- Bright and large display, robust Push-Buttons, easy-to-use

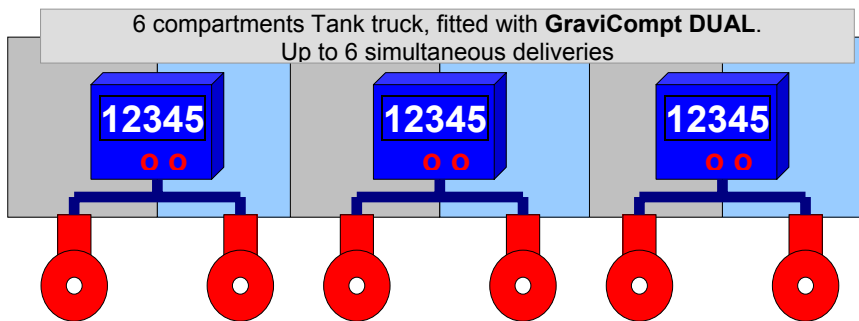


GRAVICOMPT arrangements

Gravity Metering Unit GRAVICOMPT

By compartment.

With the DUAL Version, on semi or rigid trucks, the “by compartment” GraviCompt includes one Turbine for each compartment and one electronic controller for two Turbines. Thanks to its flexibility and efficiency, this is the most efficient solution. All the compartment can be emptied at the same time, no predetermination and quantity restriction, delivery slip printing and possibility of non measured unloading operation.

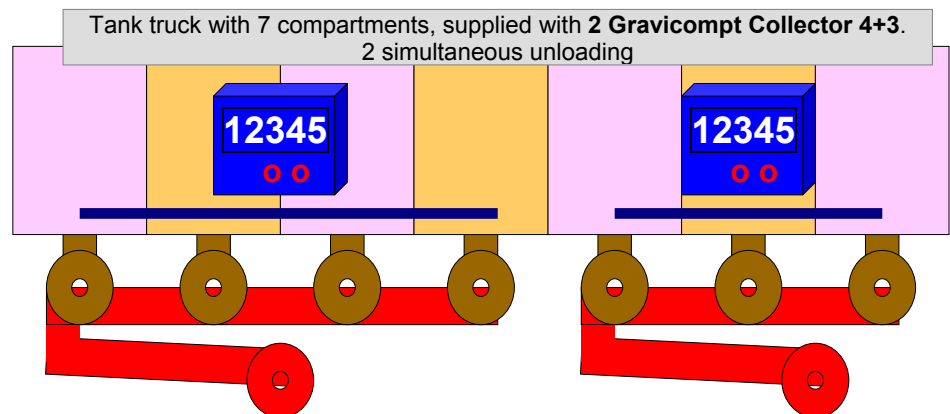


With Manifold.

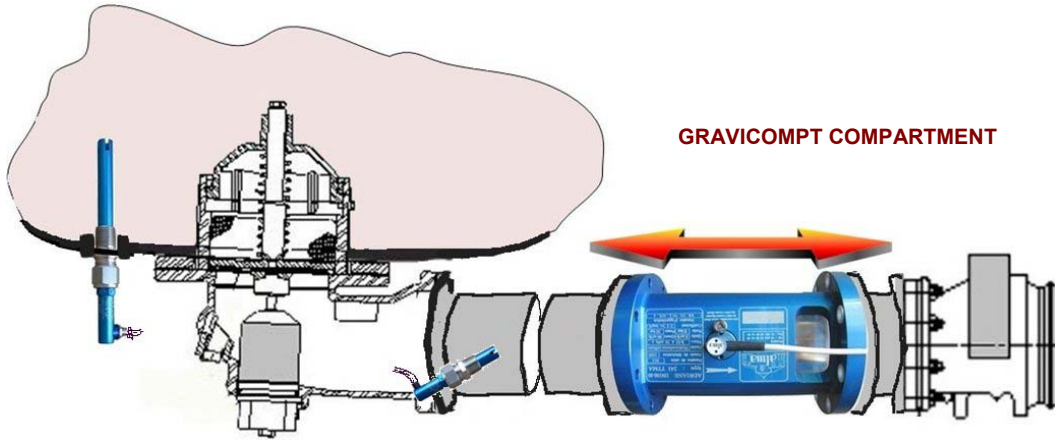


The implementation of pneumatic manifold(s) minimizes the investment,
The same electronic controller is used successively for several compartments.

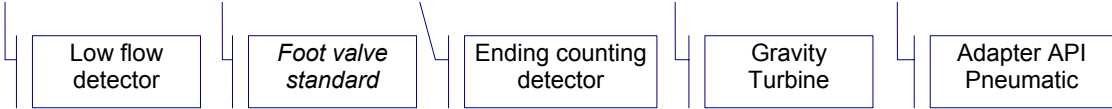
As a standard, the truck will be equipped with two manifolds. This allows unloading at the same time of two products.



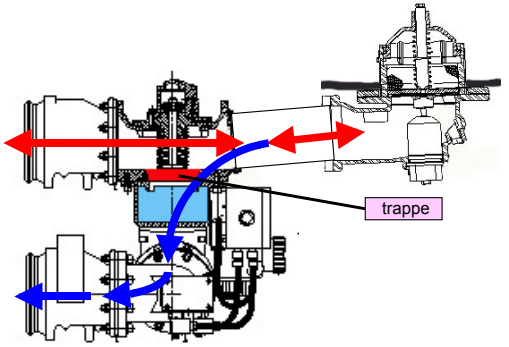
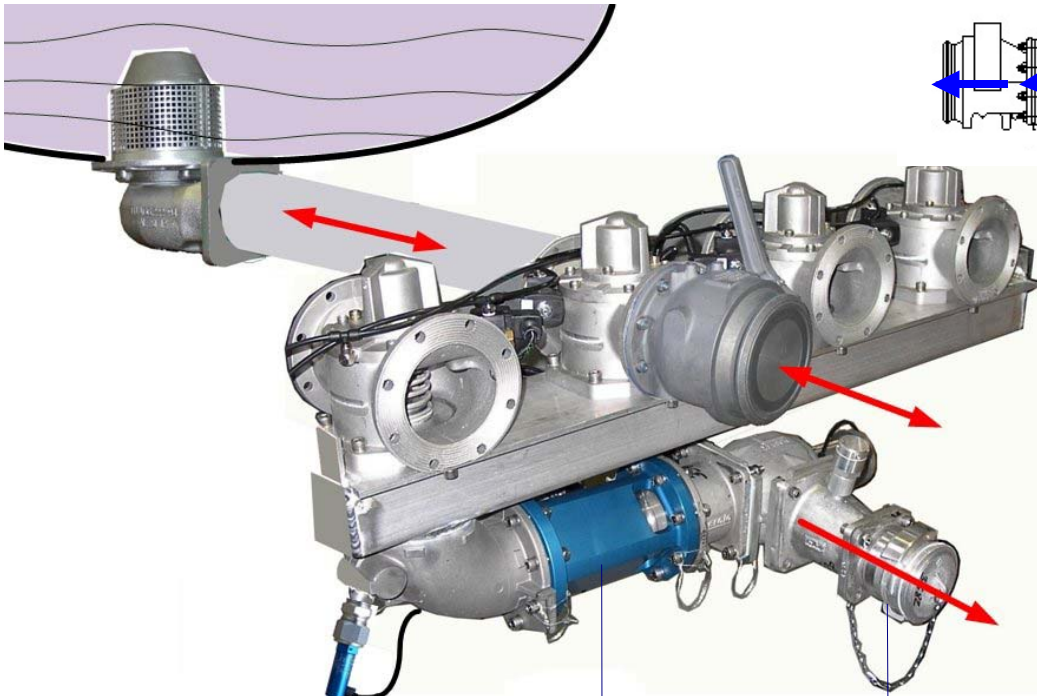
Hydraulic Principles



- 1 turbine by compartment.
- 1 electronic controller for 2 compartments.
- Simultaneous unloading.
- Direct unloading without measurement



Manifold GraviCompt



- 1 turbine by collector
- 1 or 2 collectors by truck
- 1 indicator by collector
- 1 unloading by collector.
- Direct unloading non measured

