

# PreciPURE C 1200

## CROSS-OVER FREE MEASURING SYSTEM



## **ONLY ONE MEASURING SYSTEM** for alternate delivery of gasoline, diesel fuel and heating oil!

Based on PreciCONTROL technology!

PreciPURE C 1200 for bulk and pumped, wet and dry hose delivery allows fully automated cross-over free product changes

For measured and bulk deliveries of petroleum products to stations and domestic customers.

This vehicle mounted turbine measuring system with integrated pump unit and venting, replaces two conventional gas extractor measuring systems. In combination with DTMQ (devices for transferring measured quantities) this system offers more flexibility than dipstick systems, at comparable weight but significantly less running costs.



### ADVANTAGES

- **Cross-over free delivery** with complete cleanliness of the delivery pipe. The delivery system can be used for gasoline, diesel fuel and heating oil. PreciPURE is classified as a completely cleanable system, no flushing is needed.
- **Low weight and compact size**  
PreciPURE incorporates the manifold assembly and removes the need for a conventional gas separator. This way PreciPURE needs minimum space and saves up to 160 kg weight compared to two conventional gas extractor systems. The compact size now also allows installation in rigid.
- **Fully automatic control** of all tank truck functions inclusive pump, collector and foot valves, simple operation - no pneumatic control blocks or logic modules are necessary
- **Closed condition monitor Namur** for dry hose delivery
- **Faster delivery rates** due to low pressure drop
- **Only one interface** for signals and power supply easy installation, no additional terminal boxes
- **Highly reliable electronics** because of potting and burn-in testing of every component
- By using the tamper-proof bus-system **PreciCONTROL** the complete metering system becomes safe against any fraudulent manipulations (see separate brochure)
- **With the optional Product Return**, which includes a patented electronic flow rate control, a product change from the wet hose to a compartment with product quality assurance and stock reconciliation is possible (see separate brochure)
- **Remote trailer control** for wet hose deliveries
- **Patented 2-stage manifold valves** for faster deliveries



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### DESCRIPTION

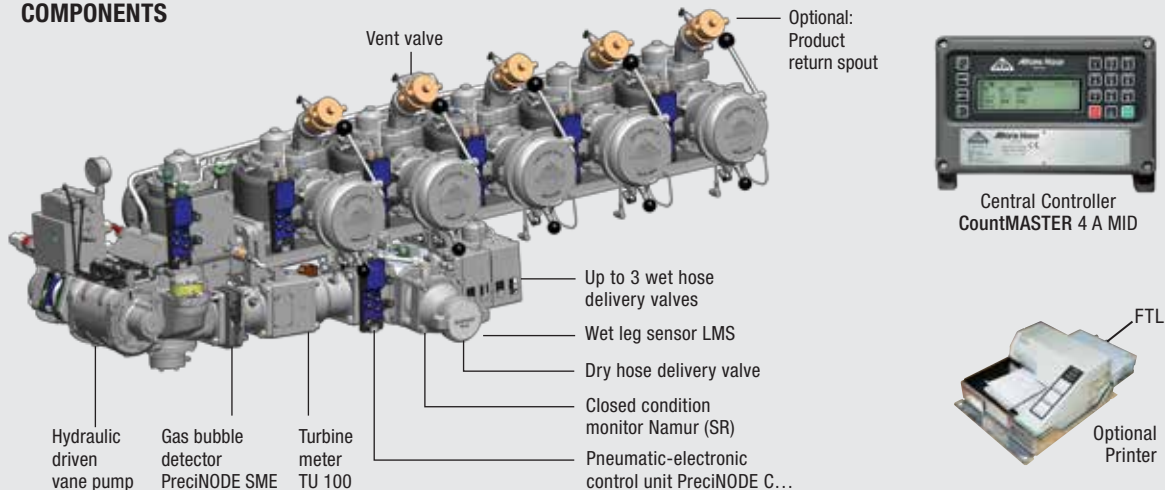
The measuring system will be filled up at the start of a delivery. While delivering the bubble detector (SME) is monitoring air in the product flow. In case of too much air, the delivery will be stopped and the air will be vented through the manifold venting. The delivery will then be continued. At the end of the delivery, bottom and manifold valves are being closed. The manifold is being emptied up to the SME and the final

known volume from the SME to the outlet drained until the wet leg sensor confirms to be empty.

For wet hose deliveries the measuring system will be drained with an additional pump to the shut-off valve of the wet hose.

This enables the PreciPURE to be emptied completely and to deliver different products without cross-overs.

### COMPONENTS



### TECHNICAL DATA

<b>Measuring range:</b>	133 l/in to 1000 l.min
<b>Min. measuring quantity:</b>	300 lit. for wet hose 1000 lit. for dry hose delivery
<b>Measuring product:</b>	Liquids, except water, with a viscosity of <20mPas at 20°C, (e.g. unleaded gasoline, super unleaded, diesel, kerosene, heating oil, gas oil, bio diesel.
<b>Max. overpressure:</b>	10.0 bar
<b>Power supply:</b>	24V DC on-board (15....32V)

### OPTIONS

- Remote Control WiPIT
- Tamper proof product return spout with flow check
- RPMS – Retained Product Monitoring System Empty check
- SPDS – Sealed Parcel Delivery System
- COP – Cross-Over Prevention

(For more information see separate brochures)