

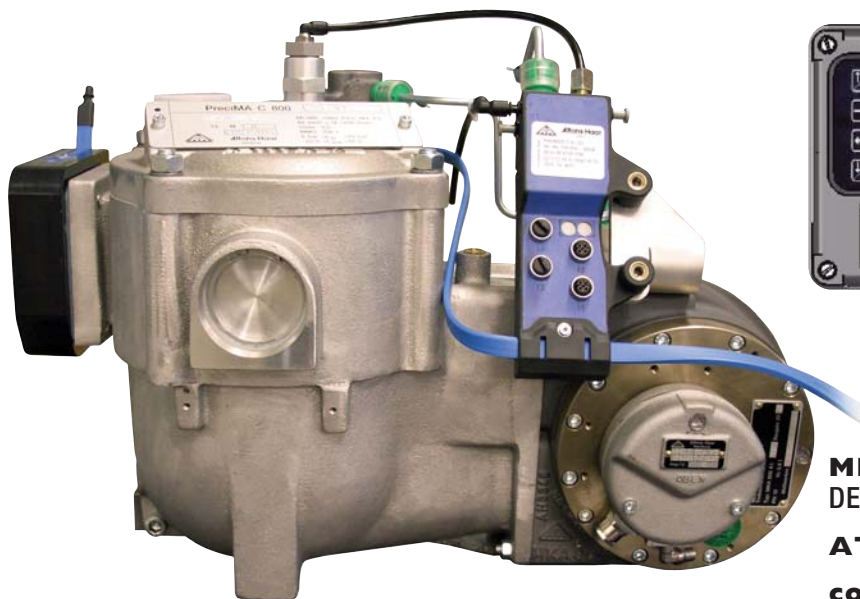
PreciMA C 800 E

Measuring unit on the basis of PreciCONTROL



Alfons Haar

Ex works, measuring unit calibrated according to MID Annex D, for up to 800 l/min with fully automatic compartment control



MID approved
DE-10-MI005-PTB004

ATEX approved

completely calibrated ex works* - only the installation has to be made

- Up to three shut off valves possible (e.g. for hose reel or/and dry line deliveries)
- Automatic control of all tank truck functions incl. collector, pump and foot valves – no pneumatic control blocks or logic modules are necessary
- By use of an electronic gas bubble detector (PreciNODE SME), the proportion of air in the delivery liquids is continuously determined in relation to delivery quantity. So it is assured that the limits of the permissible proportion of gas are not exceeded
- Only one controller with easy operation and installation – no additional terminal boxes are necessary
- Fail-safe electronic with potting technology and burn-in test. Controller with integrated service and diagnostic functions
- By using the tamper-proof bus-system PreciCONTROL the complete metering system becomes safe against any fraudulent manipulations
- Compact measuring unit, ATEX to allow direct installation in zone 1
- Optional Product Return (PR) with patented electronic flow rate control in the PR valve for a product change with product quality assurance and stock reconciliation

* When placing on the market according to MID Annex D the calibration-related parameters will be pre-configured by Alfons Haar

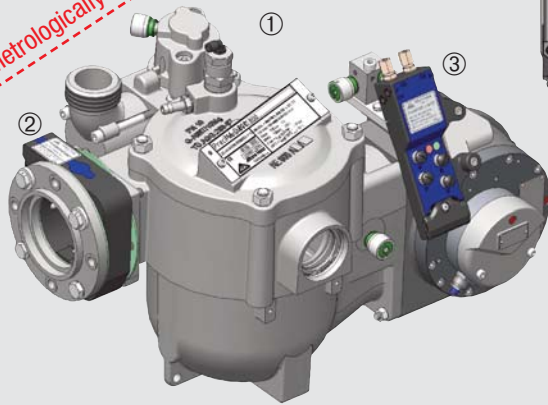
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Components

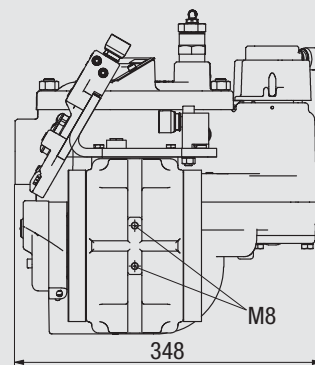
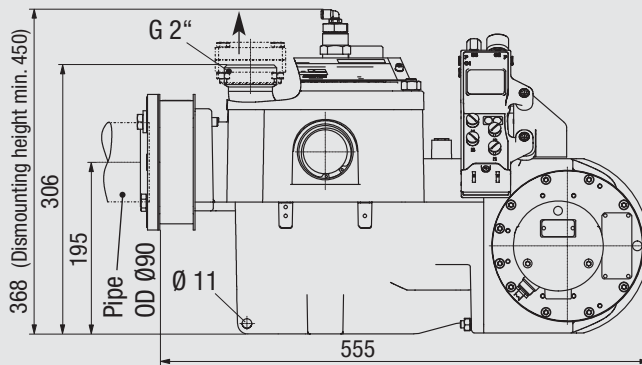
Metrologically relevant boundary*



- 1 PreciMA C 800 E V1
- 2 Gas bubble detector PreciNODE SME
- 3 Pneumatic-electronic control unit PreciNODE C ...
- 4 Controller CountMASTER
- 5 Printer with interface DI4 (data transfer to on-board computer or office via the standardised FTL interface according to EN 15969 is possible)

* The Alfons Haar scope of delivery approved according to MID Annex D, cannot be influenced by truck installation variables!

Dimensions



Weight:
approx. 30 kg

Technical data

Measuring range:	60 l/min up to 800 l/min
Min. measuring quantity:	200 l
Measuring product:	Liquids, except water, with a viscosity < 20 mPas at 20° C (e.g. unleaded, super unleaded, diesel, kerosene, gas oil, biodiesel)
Max. operation overpressure:	10 bar (with 2" hose reel up to 800 l/min possible)
Power supply:	24 V DC on-board electronic unit (15 .. 32V)

Options

The central controller, CountMASTER 4, can be extended with software upgrade by additional functions:
RPMS (retained product monitoring system), **SPDS** (sealed parcel delivery system) or **Product Return with Flow-Check**.

Alfons Haar delivers the measuring unit calibrated and sealed according to MID throughout the EU!