

# PreciGAS C 400 / 1000

PRECICONTROL BASED MEASURING UNIT



## WEAR-FREE LIQUEFIED GAS MEASURING UNIT

**400 l/min or 1000 l/min** with lifelong high precision

Only 20 kg (approx.)  
weight incl. Controller!  
(PreciGAS C 400)



### FEATURES

- High accuracy (<0,1%)
- 100 % maintenance-free, measuring section has no moving parts
- Low pressure loss, high delivery rates, because of straight flow
- Robust electronic devices by potting protection and burn-in test
- All equipment rated for zone 1 ATEX
- Fully assembled in operational delivery condition
- Automatic control of all measuring unit functions, incl. pump and foot valve
- Gas separator and pressure control valve eliminated. No return pipe required

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### DESCRIPTION

The measuring principle is the pressure drop over a Venturi nozzle. This pressure drop integrated over time results in the volume. The Venturi nozzle has no moving parts and is therefore safe for any kind of dirt and wear.

The accuracy is exceptional below 0,1% because of linearisation and the feature, that bubbles up to a certain degree are compensated.

The concept with bubble detector and temperature probe allows to operate without gas separator and pressure control valve. Thus the total pressure drop is less than 50% of conventional systems including Coriolis meters. Also size and weight are dramatically reduced.

The bubble detector also cares for the safety against tampering by injection of compressed air, CO<sub>2</sub> or other compressed gases.



PreciGAS size compared with a conventional system

TECHNICAL DATA	PreciGAS C 400	PreciGAS C 1000
Measuring Range:	100 l/min up to 400 l/min	200 l/min up to 1000 l/min
Minimum Measuring quantity:	100 l	200 l
Measuring product:	Propane, butane and their mixtures (LPG)	
Max. operation overpressure:	25 bar	
Power supply:	24 V DC on-board electronic unit (15...32V)	
Weight Measuring unit:	15 kg	26 kg

### COMPONENTS

