

METROCONE
HIGH QUALITY LIQUID
AND GAS FLOW
MEASUREMENT



METROCONE

High quality liquid and gas flow measurement


Much more than a single meter, it is an integrated solution, especially designed to your process.

Thoroughly engineered and built as per ISO 5167-5 standard, it allows using standardized equations without requiring adjustments.

For customized construction, please contact Metroval application engineering.

Mass and volume flow measurement using the same device by means of a primary flow element associated with temperature and pressure measurements.





Dynamic and dimensional
calibration in an RBC laboratory



Oil and Gas



Pulp and Paper

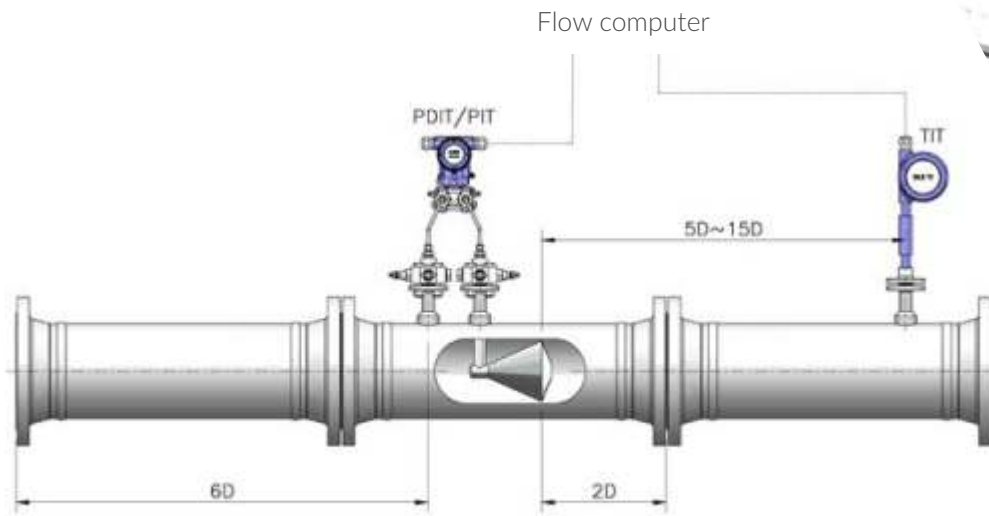


Chemical and Petrochemical



Food and Beverage

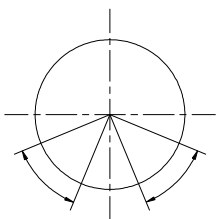
- Great flexibility;
- No moving parts;
- Low maintenance;
- No conditioner required;
- Easy installation;
- Low pressure drop;
- High rangeability;
- High repeatability;
- High accuracy;
- Excellent cost-benefit.



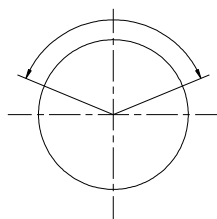
BASIC INSTALLATION AS PER ISO 5167-5:2016 (E) STANDARD

**For other installations, please contact Metroval application engineering.*

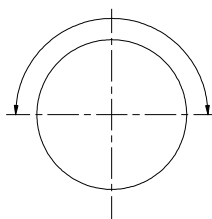
Due to its own constructive design, the meter itself conditions the flowing profile, thus avoiding the need for rectifiers, and reducing the permanent pressure drop.



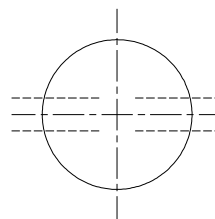
LIQUID
4 o'clock to 5 o'clock
ou
7 o'clock to 8 o'clock



WET GAS
10 o'clock to 2 o'clock



DRY GAS
9 o'clock to 3 o'clock



STEAM
HORIZONTAL TAPS ONLY
9 o'clock
ou
3 o'clock



High metrological performance

Metrocone features an accuracy of $\pm 0.5\%$ with a 0.1% repeatability.

10:1 measuring range, far superior than other differential pressure-based devices.

Metroval provides RBC calibration services for cone-type meters, thus establishing a specific discharge coefficient for each meter and enabling a higher accuracy.

Calibration within a wide range of flow rates and number of Reynolds.

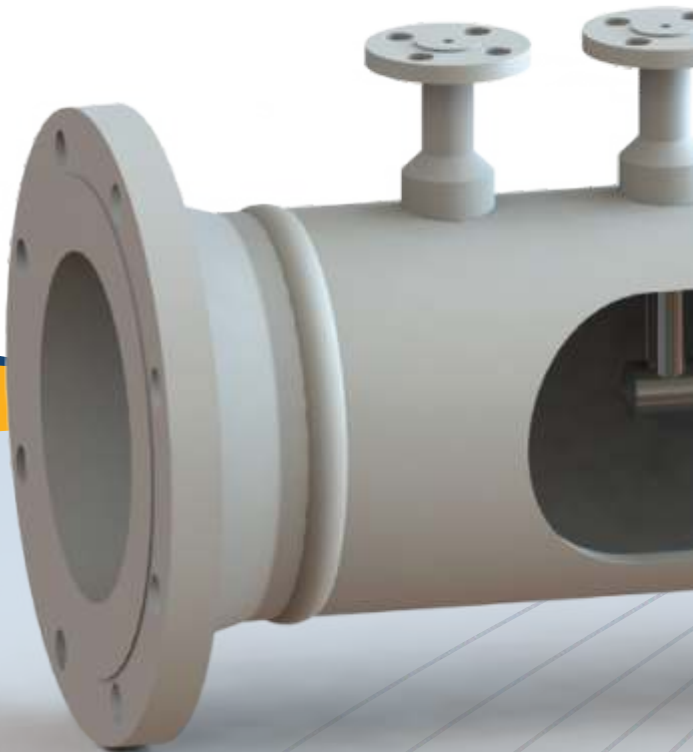
Low cost

Metrocone features no moving parts, therefore reducing the installation, operation, and maintenance cost.

Metrocone can be installed in smaller places, thus making it easier to replace other differential pressure-based technologies.

METROCONE

ACCURACY	± 0.5% of the displayed value
REPEATABILITY	Better than ± 0.1% of the displayed value
RANGEABILITY	Standard: 10:1. Others upon request
DIAMETERS	Standard from 50 mm (2") to 500 mm (20"). Others upon request
BETA	As per field of application
PRESSURE CLASS	Up to 10,000 API class
CONNECTION	As requested
MATERIALS	Carbon steel, Stainless Steel 304, Stainless Steel 316, Stainless Steel 316L, Duplex, Superduplex, Hastelloy. Others upon request

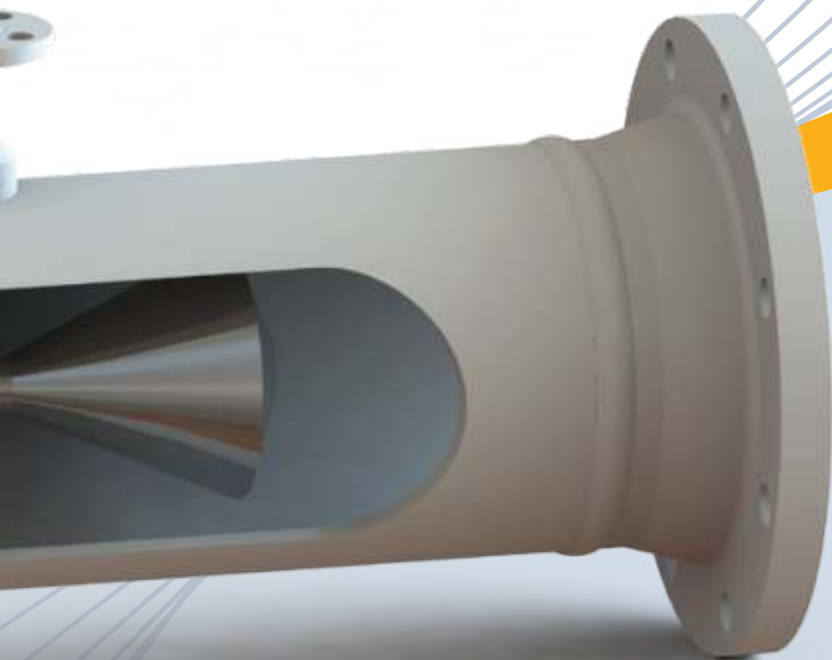


FLUIDS

- Oil and its derivatives;
- Water/oil emulsions;
- Fresh and injection water;
- Dry and humid natural gas;
- Vapor;
- Others upon request.

APPLICATIONS

- Gas and water injection into wells;
- Burners and furnaces;
- Boilers;
- Compressors and generators;
- Ideal for tax measurement, gas custody appropriation and transfer.





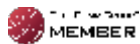
MAIN FACILITY NOVA ODESSA - SP



BRANCH MACAÉ - RJ

Jorge Romald

METROCONE - Abr/2019 REV B



TALK TO METROVAL

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