

# SKID-MOUNTED SYSTEM MEASURING

## APPLICATION

Continuous flow and volume measurement of liquids in custody transfer and non custody transfer

## DESCRIPTION OF THE MEASURING APPLICATION

This measuring system (skid) is used when liquids must be measured continuously (e.g. pipeline measurement) or during loading (e.g. loading of ship, tank wagons or tank trucks). The measuring system is suitable for all liquids (such as bio and normal fuels, liquefied gases, toluene, kerosene, ethanol, etc.) in non-custody and custody transfer (liquids other than water) permitted. Various measuring flow computers and measuring sensors are available. Thus, different control requirements can be realized individually.

## DESIGN OF THE MEASURING SYSTEM

Measuring systems of this type (skids) are designed for specific applications. This applies to nominal diameter, nominal Pressure and the components used can also be adapted to the requirements.

A skid consists of:

- Gas separator
- Strainer (optional)
- Check valve
- Flow measuring device (e.g. oval wheel meter, turbine meter, etc.)
- Temperature sensor
- Pressure transmitter (optional)
- Density measurement (optional)
- Control valve (optional)
- Calibration connections for prover
- Measuring flow computer
- Skid construction
- Type examination certificate according to Measuring Instrument Directive MID 2014/32/EU

