



## Manual for

### „General information about suction lines“

For the manual isokinetic suction must be used the following parts:

1. **Drying tower:** According to EN 13284-1 should be measure the sucked gas in dry conditions. Silica gel can be used to adsorb the humidity from the gas. The wide and high from the drying tower Art.-No.: 16.011 was calculated for a suction flow rate up to 4 m<sup>3</sup>/h.
2. **Pump:** According to EN 13284-1 should be the pump gas tight and powerful to sucked the desired gas flow independent from the pressure drop of the filter. Our pump with corrosion resistant pump body can used for it, Art.-No.: 17.03-SC8.
3. **Pulsation damper:** Disturbances in the ad can happen through pumps in front of the flowmeter (rotary vane- and membrane pumps). The use of the pulsations damper Art.-No.: 17.17 is mandatory.
4. **Flow meter:** For the regulation of the isokinetic suction is the reading at the gas meter insufficient. EN 13284-1 required fast reacting if the gas flow rate change. The filter pressure drop doesn't change always continuously and it can occur very high deviation from the isokinetic.
5. **Gas meter:** To measure the total sampling volume with an accuracy of 2 %.

