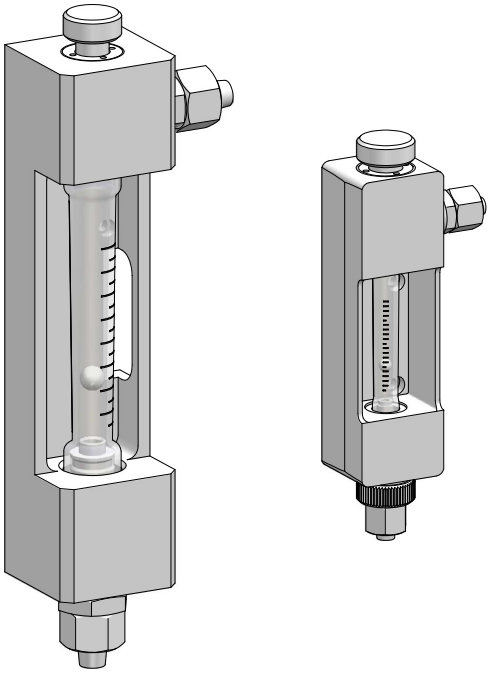
Determining and manual dosing of chlorine gas

Flow meter



Gas flow at a glance

LUTZ-JESCO flow meters for chlorine gas work in accordance with the float principle With this flow meter, the float in the measuring tube is moved vertically by the upwards flowing chlorine gas. Different forces impinge on the float: flow resistance, lifting force and the weight of the float. Given a constant flow, the position of the float stabilises and the height adjustment of the float is the measure for the flow.

The scale of the measuring tube of the LUTZ-JESCO flow meter is designed as standard for the flow of chlorine gas under standard conditions (0.9 bar absolute at 20°C). The display accuracy amounts to ± 2% of the measured value.

Easy handling

The flow meter for chlorine gas is delivered together with:

- Mounting material
- Operating instructions

The flow meter is fitted with hose clamp connections to enable quick and simple installation. The fine regulation of the gas flow is simple: no need for auxiliary energy, just adjust the setting screw. The easy-to-understand and robust structure of the flow meter helps minimise the maintenance requirement.

Functions

- Different measuring glass lengths for dosing up to 10 kg/h chlorine gas (other gasses available on request)
- High measuring accuracy
- Local display
- Without auxiliary power
- Simple and maintenance-free design
- For PE hose connections Ø8/12 and Ø12/16 (other connections available on request)

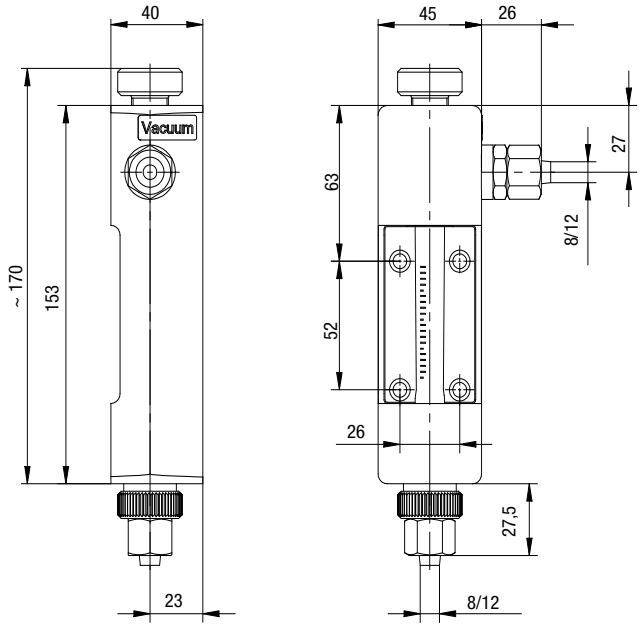
Technical data

Flow meter			
Throughput	kg/h	0,025 – 4	0,25 – 10
Measuring glass length:	mm	80	160
Material of the housing		ABS+GF	PVC
Connections		PE-hose Ø8/12	PE-hose Ø12/16
Weight	kg	0.2	0.9
Accuracy		±2 of measured value	
Turn down ratio		1:20	
Operating pressure		0.9 bar at 20°C	
Permissible ambient temperature	°C	10 – 50 (no direct sunlight)	
Components coming into contact with the media		Glass, PTFE, PVDF, FPM	

Dimensions

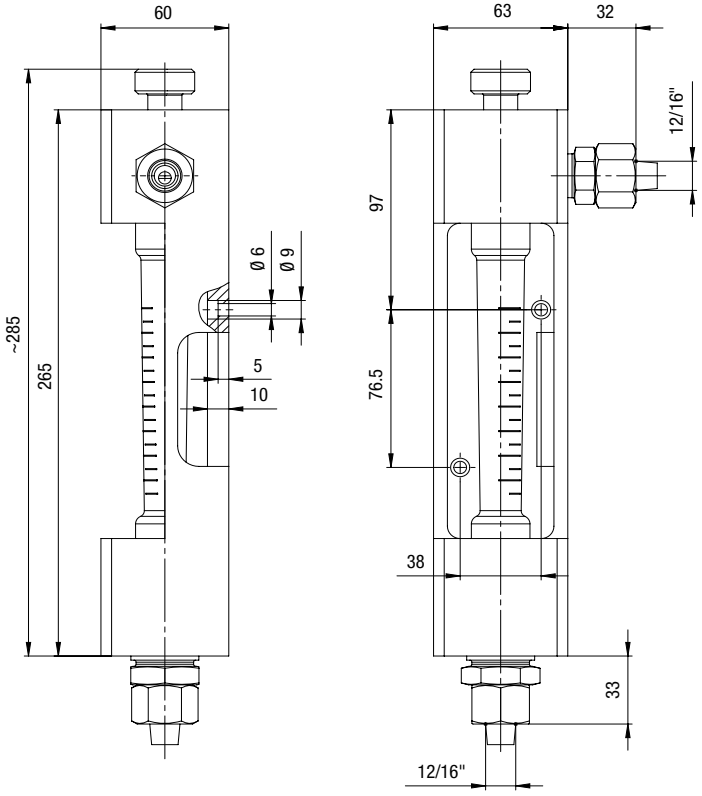
Flow meter 0,025 – 4 kg/h

All dimensions in mm



Flow meter 0,25 – 10 kg/h

All dimensions in mm



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