Continuous Emission Monitoring
Stack Flow Meter
Questionnaire

Customer And Project Information

Customer		Project Name	
Contact Person		Project Country	
E-Mail		End User Name	
Phone Number			

Instrument Selection

Certification ☐ QAL1 ☐ MCERTS ☐ None

Included components
- ☒ Flow Meter (Averaging Pitot Tube)
- ☐ Flow Computer (required for QAL1/MCERTS)
- ☐ Integrated Temperature Sensor ☐ … if yes: Analog output signal (4-20 mA) of temperature required?
- ☐ Integrated Absolute Pressure Sensor ☐ … if yes: Analog output signal (4-20 mA) of absolute pressure required?
- ☐ Automatic back purging unit to clean flow sensor

Instrument Design

Installation of transmitters ☐ Directly on flow sensor ☐ Remote

Installation of flow computer ☐ In cabinet ☐ In wall mounted enclosure

Ambient and Plant Data

Installation location ☐ Indoor ☐ Outdoor

Installation in hazardous area ☐ No ☐ Yes … if yes: Zone: ☐

… if yes: Flow computer must installed in safe area.

Marine/Corrosive atmoshphere ☐ No ☐ Yes *(installation close to sea, off-shore, etc.)*

	Minimum	Normal Operation	Maximum	Unit
Ambient temperature				
Ambient pressure				

Sun shade required ☐ No ☐ Yes

Protective Cabinet required ☐ No ☐ Yes

IP Rating required ☐ IP 54 ☐ IP 65 ☐ IP 67

Flue Gas Process data

Medium: Flue Gas

	Minimum	Normal Operation	Maximum	Unit	
Flow					
Absolute Pressure					
Temperature					
Standard Gas Density				kg/m3	at 0 °C, 1,01325 bar
Water content					(leave free if dry)
Dust/Particles				mg/m3	(leave free if no particles)

Corrosive Gas ☐ No ☐ Yes … if yes: Please specify requested wetted material ☐

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Stack/Duct Details

Stack orientation ☐ Vertical ☐ Horizontal

Stack Shape ☐ Round ☐ Rectangular

Stack wall material ☐ Carbon Steel ☐ Stainless Steel ☐ Concrete ☐ FRP ☐ Other: ☐

Can the sensor be supported from opposite side? ☐ No ☐ Yes *Depending on application details it may be necessary to support the sensor from 2 sides.*

Design of stack

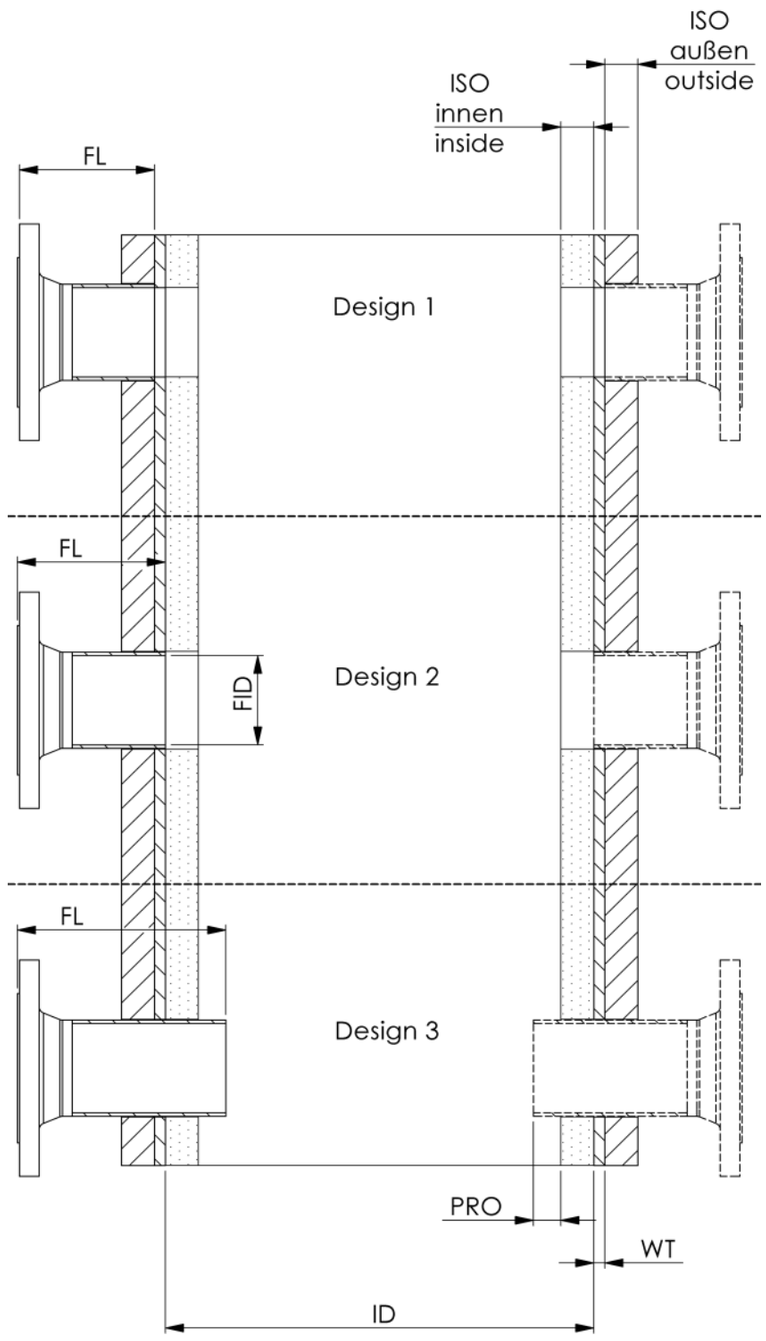
Inner diameter ID ☐ mm

Wall thickness WT ☐ mm

Inner Insulation ISO inner ☐ mm
(enter no value if no insulation)

Outer Insulation ISO outer ☐ mm
(enter no value if no protrusion)

Nozzle Design
☐ Design 1 (welded on wall)
☐ Design 2 (inserted in wall)
☐ Design 3 (protruding into stack)



Mounting Flange Nozzle

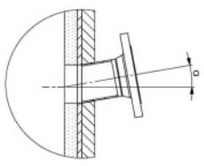
Flange nozzle available at stack ☐ Yes ☐ No, required
If yes, please fill out information below. If "no, required" was checked an appropriate flange will be offered.

Flange length FL ☐ mm

Free inner diameter FID ☐ mm

Protrusion PRO ☐ mm
(enter no value if no protrusion)

Pitched mounting part ☐ No ☐ Yes



Pitch angle of mounting part α ☐ °
(enter no value if no pitch)

Design Standard of flanges ☐ EN 1092 ☐ ASME B16.5

Design standard and size ☐
Example "ASME B16.5, 3 inch, Class 150, RF"

Orientation ☐ ☐

Opposite 2nd nozzle ☐ Yes ☐ No

Required Documentation

Material certificates EN 10204-3.1 ☐ No ☐ Yes

General Assembly Drawing ☐ No ☐ Yes

Others (please specify below) ☐ No ☐ Yes

Comments and special requests

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