

Date:

**TECHNICAL DATASHEET**

Company:

flow element  
Device Specification

Grey fields will be filled out by manufacturer	Please fill out only blank spaces
------------------------------------------------	-----------------------------------

>> OPERATING PARAMETERS <<		>> DEVICE <<	
Project number		Flow Element type	
Project name		Ring chambers (welded / flanged)	
Tag number		Purpose	
Service		Connection to pipe	
Isometric drawing number		Flange rating	
Design code		Bolts & Nuts	
Compliance standard		Gasket	
PED	YES / NO	Body material	
ASME "S" tamp	YES / NO	Orifice material	
>> PROCESS <<		Total uncertainty of flow measurement %	
Fluid		Additional uncertainty of flow coefficient %	
Process design pressure		Painting	
Process design temperature (°C)		Available length (mm) - (N° of D)	YES / NO
Pipe size (OD mm)		Upstream perturbations (nearest to furthest)	YES / NO
Pipe thickness (mm)		Element overall length (mm)	
Pipe (ID mm) in reference sheet		Inspection port	YES / NO
Corrosion tolerance	YES / NO	Flow direction indication	YES / NO
Pipe material		Drain hole	YES / NO
Slope angle			
Insulation thickness			
Mounting position for flow element	horizontal / vertical		
Fluid orientation for vertical pipe			

## &gt;&gt; CALCULATION according to ISO 5167 &lt;&lt;

	Reference conditions for flow element	Min. operating conditions	Max. operating conditions	Conditions for flow transmitter
Flow „qm“ (kg/s)				
Pressure „p“ (bara)				
Temperature „t“ (°C)				
Density at the above conditions „ρ“ (kg/m3)				
Measuring DP (mbar)				
Residual pressure loss (mbar)				
Flow coefficient „C“ (-)				
Reynolds number „ReD“ (-)				
Accuracy of mann flow rate „e,qm“ (%)				
Beta ratio d/D „β“ (-)				
ReD to be reached during calibration (-)				

>> TAPPINGS <<		>> SPECIAL REQUIREMENTS <<	
Type		Nameplate	YES / NO
Orientation / Angle		Calibration required	YES / NO
Size		Pressure test certification	YES / NO
Thickness / Rating		Material certificate	YES / NO
Material		Compliance certificate	YES / NO
Connections		Painting / Internal protection	YES / NO
Quantity		Special packaging required	YES / NO
		Documentations	YES / NO
		Documentation Language	standard EN / DE