

Company

Street/P.O.Box

City

Postal code

Country / State

Contact Name

E-Mail

Phone

Date

Project

Vessel Specification (please attach vessel drawing)

Vessel new/design phase existing

Vessel orientation horizontal vertical other

Vessel inner diameter mm inch

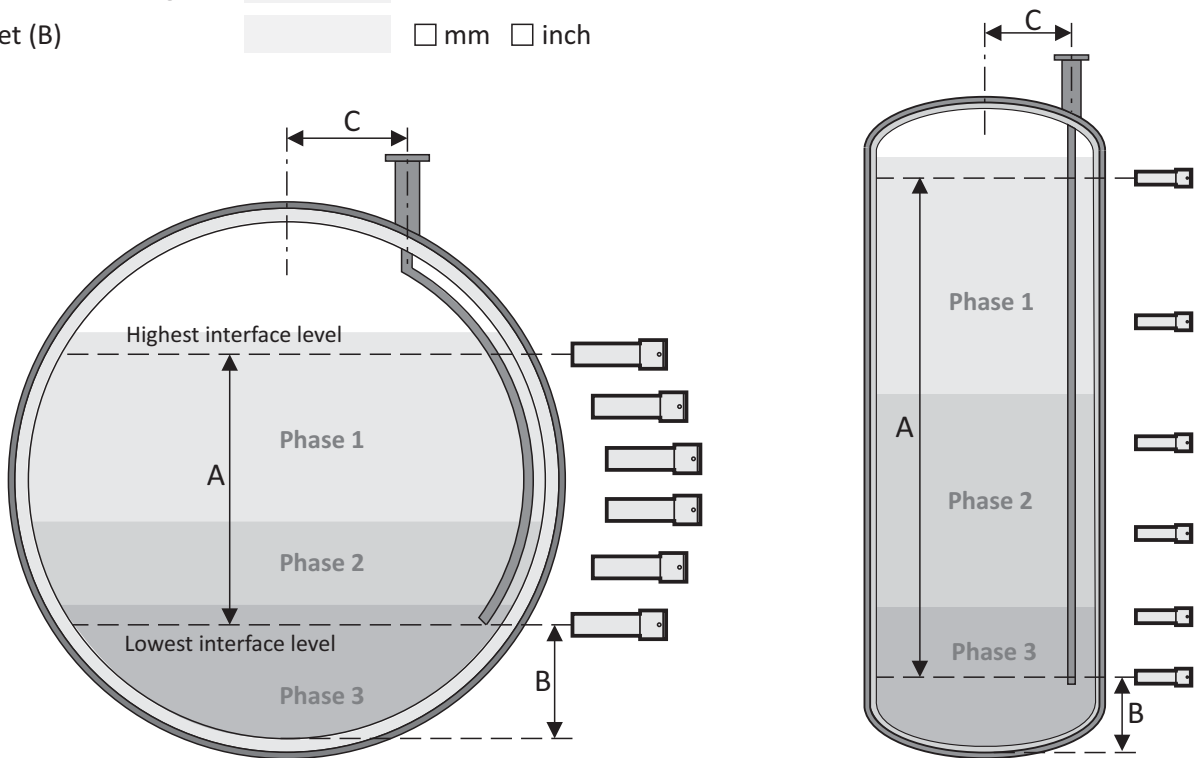
Wall thickness mm inch Vessel material

Insulation thickness mm inch Insulation material

Additional cladding/heating jacket (thickness & material)

Measurement range (A) mm inch

Offset (B) mm inch



Number of measuring points (resolution)

Installation Details (please attach drawing)

Dip pipe new/design phase existing Thickness

Nozzle

Tag Size Pressure Diameter Wall thickness

Position - distance from center line (C):

Obstruction i.e. electrical grids, heating (please attach drawing)

Measured Material Specifications

		Density range		Level range (from vessel bottom)	
		Unit g/cm ³ (if other, please specify)		<input type="checkbox"/> mm <input type="checkbox"/> inch	
		min.	max.	min.	max.
top	Phase 1 Name	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Phase 2 Name	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Phase 3 Name	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Phase 4 Name	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
bottom	Phase 5 Name	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Emulsion layer no yes Expected layer thickness mm inch

Build-ups on vessel wall no yes Expected thickness mm inch

Process Conditions

	Unit (if other, please specify)	normal	min.	max.
Process temperature	°C	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ambient temperature	°C	<input type="text"/>	<input type="text"/>	<input type="text"/>
Process pressure	bar	<input type="text"/>	<input type="text"/>	<input type="text"/>

Detectors

Power supply 120V AC 240V AC 24V AC/DC

Exproof requested No Yes Type

Process signal 4 ... 20 mA HART Relay OFF PA (FF = Foundation Fieldbus, PA = Profibus PA)

Functional safety none SIL 2 SIL 3

Housing material SS304 (standard) SS316L (e.g. offshore) others Type

Comments / Special Requirements

The products that Berthold Technologies offers are custom engineered systems. There are multiple family models and component options that are able to be selected based on the customer's process parameters. Also nuclear source sizes are calculated and selected for each individual system. These inputs are necessary to engineer a system that will meet the required needs and will function properly. Inaccuracies or omissions of the inputs could have a negative effect on the operation of the measurement. Berthold cannot be held accountable for the performance of their equipment if initial specifications were falsified or not presented fully.