INDU-TAN-PAS

DESIGN REQUIREMENTS TO QUOTE

Owner:	Operator:	Country of installation:	State/Province of Installation:	City of installation:

Service:	Liquid level: _____ Specfic Gravity:_____	Item No:
Diameter:	Length, Tangent-to-Tangent:	Type: Vertical □ Horizontal □ Sphere □

National board registration Required: Yes □ No□	Canadian Registration Reqired: Yes □ No □	Special service: Lethal (L)□ Direct Firing (DF) □ Unifired Steam Boiler (UB) □	Overpressure Protection: Valve □ Rupture Disk □ Other □ System Desing □

OPERATING CONDITIONS:	Minimum Pressure	Maximum Pressure	Minimum Temperature	Maximum Temperature
Case 1				
Case 2				

DESIGN CONDITIONS:	Pressure	Temperature
Internal Design Pressure:		
External Design Pressure:		
MAWP Internal:	Same as Desing Pressure □	Calculated by Manufacturer □
MAWP External:	Same as Desing Pressure □	Calculated by Manufacturer □

Minimum Design Metal Temperature (MDMT) - Case 1		Deg @		Due to: Process □ Other □ Ambient Temperaure □
Minimum Design Metal Temperature (MDMT) - Case 2		Deg @		Due to: Process □ Other □ Ambient Temperaure □

Corrosion Allowance	Shell		Heads		Nozzles		Jacket		Coil		Supports		Internals	Corrosive Service?	
	Int.	Ext.	Int.	Ext.	Int.	Ext.	Int.	Ext.	Int.	Ext.	Int.	Ext.		Yes	No
														□	□

Cyclic Service: Yes □ No □	_____Cycles Per_____	Design Life _____ Years	Fatigue Analysis? Yes □ No □

Wind Loading: ASCE 7 □ UBC □ IBC □ Other □ None □	Wind Speed	Classification Category	Exposure Category	Topographic Factor	Elevation

Seismic Loading: ASCE 7 □ UBC □ IBC □ Other □ None □	Soil Profile Classification: _____	PWHT: Per Code □ Process Required □	Other Loadings per UG-22: Temp. Gradients□ Deflagration □ Diff. Thermal exp.□

Insulated: Yes □ No □ By Manufacturer □ By others □	Type Thickness External_____ _____ Internal _____	Density _____ _____	Coating Specification: _____ Permitted Prior to Pressure Test Yes □ No □

Vessel Support: Legs □ Skirt □ Lugs □ Saddles □	Fireproofing: Yes □ No □	Type:	Rating (hr):

INDU-TAN-PAS

DESIGN REQUIREMENTS TO QUOTE

MATERIALS

Component	Specification	Component	Specification
Shell		Ellipsoidal Head	
Hemispherical Head		Torispherical head	
Toriconical Head		Conical Head	
Nozzles		Flanges	
Stiffener Rings		Pressure-Retaining Bolts	
Attachments		Internals	
Reinforcing Pads		Other _____	

NOZZLE SCHEDULE

Description	Number Required	Size	Flange type	Class	Description	Number Required	Size	Flange type	Class

WELDED PRESSURE JOINT REQUERIMENTS

Design Basis:	Shell and cone thickness based on: Joint Efficiency E=_____	Head thickness based on: Joint Efficiency E=_____

JOINT LOCATION UW-3		TYPE OF JOINT (Use types as Described in UW-12)	NDE WITH COMMENTS
Category A			
Category B	Head-to-shell		
	Other		
Category C	Body Flanges		
	Nozzle Flanges		
Category D			

BODY FLANGE REQUIREMENTS

Description	Type	Facing/Surface Finish	Gasket Style	Joint Assembly (see ASME PCC-1)

SKETCH

GENERAL NOTES