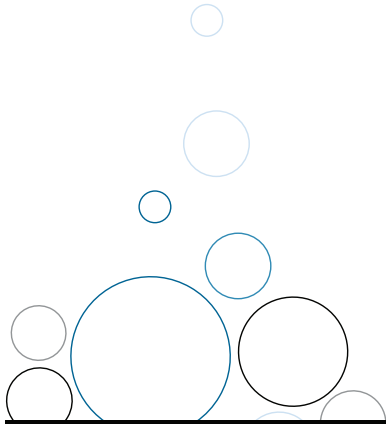


APPLICATION

High-Efficiency Separation



Company _____

Contact name _____ Title _____

Address _____

State _____ Zip code _____ Country _____

Office phone _____ Mobile _____

Fax _____ E-mail _____

Project Name & Reference No: _____ Vessel Tag # _____

VERTICAL HORIZONTAL
 NEW VESSEL REVAMP

Brief Project Description (Attach additional sheet if necessary)

PROPERTIES

Item	Description	Units	Values			Remarks
			normal	maximum	minimum	
01	Operating Pressure					
02	Design Pressure					
03	Operating Temperature					
04	Design Temperature					
05	2- or 3-Phase Separator					
06	Gas Flow Rate					
07	Gas Density					
08	Gas Viscosity					
09	Gas Molecular Weight					
10	Gas Compressibility (Z)					
11	Oil Flow Rate					
12	Oil Density					
13	Oil Viscosity					
14	Oil Surface Tension					
15	Water Flow Rate					
16	Water Density					
17	Water Viscosity					
18	Water Surface Tension					

NOZZLES

Item	Description	Units	Size	ID	Internal Projection	Mark	Loc. / Elev.
19	Inlet Nozzle						
20	Gas Outlet Nozzle						
21	Oil Outlet Nozzle						
22	Water Outlet Nozzle						
23	Manway						

High-Efficiency Separation

VESSEL SIZE

Item	Description	Units	Size
24	Internal Diameter		
25	Seam to Seam Length		
26	Weir Location		
27	Weir Height		

LIQUID LEVELS

Item	Description	Units	Elevation	Remarks
28	High High Liquid Level (HHLL)			
29	High Liquid Level (HLL)			
30	Normal Liquid Level (NLL)			
31	Low Liquid Level (LLL)			
32	Low Low Liquid Level (LLLL)			
33	High High Interface Level (HHIL)			
34	High Interface Level (HIL)			
35	Normal Interface Level (NIL)			
36	Low Interface Level (LIL)			
37	Low Low Interface Level (LLIL)			

Liquid levels are taken from ___vessel bottom ___vessel tan line ___vessel reference line.

NOTES AND ATTACHMENTS

(Note: Electronic versions of all documents preferred.)

- 38 Attach process flow diagram if available; if not, describe the process and upstream and downstream equipment.
- 39 Attach P&ID if available.
- 40 If existing vessel, attach drawings. If new vessel is desired, what material is preferred?
- 41 Are solids present? If so, describe.
- 42 Is foaming an issue or expected? If so, describe.
- 43 What is the desired separation efficiency?
- 43a-c a. Liquid droplet removal from gas: b. Heavy phase in light phase: c. Light phase in liquid phase:
- 44 Is a maximum pressure drop specified?

SPECIAL REQUIREMENTS AND COMMENTS:

(including space and / or weight constraints)

FOR MORE INFORMATION

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