



DS 46-010-
15 August 2005

Data Sheet for Pressure Vessels

1	Facility Location:			
2	Item No.:		3	Project/Job No.:
4	Contractor:		5	PO No.: _____ By Co.:
6	Vessel Fabricator:		7	Asset/WIN No.:
8	Service:		9	Equipment description:
10	Units: ☐ in / lb / psig / °F / ft ³ / lb/ft ³ ☐ mm / kg / barg / °C / m ³ / kg/m ³			
11	Size: I.D. _____		Length (T/T) _____ Capacity _____	
DESIGN CRITERIA				
12		Internal pressure	External pressure	Jacket
13	Design pressure			
14	Design temperature			
15	Corrosion allowance			
16	Operating pressure			
17	Operating temperature			
18	Specific gravity: _____ @ operating temperature & pressure			
19	Cyclic loading: _____			
20	For vessels to ASME code			
21	MAWP (Maximum Allowable Working Pressure): _____ @ _____ ° limited by _____			
22	MDMT (Minimum Design Metal Temperature): _____ °			
23	ASME Code Section VIII, Division: ☐ 1 ☐ 2			
24	Fatigue analysis: ☐ Yes ☐ No _____			
25	ASME Code Stamp: ☐ Yes ☐ No National Board registration: ☐ Yes ☐ No _____			
26	For vessels to BS PD 5500 or EN 13445			
27	Design minimum temperature: _____ @ coincident design pressure: _____			
28	Pressure Equipment Directive: ☐ Yes ☐ No _____			
29	MATERIALS			
30	Item	Material including lining where required		
31	Top head			
32	Bottom head			
33	Transition			
34	Shell			
35	Skirt/Supports			
36	Nozzles			
37	Internals: Removable/Fixed			
38	Demister			
39	Pipe			
40	Fittings			
41	Flanges			
42	Gaskets			
43	Bolting	Material	Coating	Size
44	Pressure		☐ Cadmium ☐ PTFE	
45	Anchor		☐ Cadmium ☐ PTFE	
46	Notes:			
47				
48				
49				
50				
51	NO	DATE	REVISION	BY
52				APP.
53				
54				



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TABLE OF CONNECTIONS							
Mark	No. Req.	Size	Class & Face	Type	Service	Min Thickness	Remarks
A							
B							
C							
D							
E							
F							
G							
H							
K							
M							
N							
LC					Level Control		
LG					Level Gage		
LL					Low/Low Alarm		
PI					Pressure Ind.		
TW					Thermowell		
HH					Hi/Hi Alarm		
MN					Manway		
V							
W							
X							
MISCELLANEOUS REQUIREMENTS							
WFMT: ☐ Yes ☐ No Other Inspection _____							
PWHT: ☐ Per Code ☐ Per Specification _____							
Hydrotest: Future Field: ☐ Yes ☐ No _____							
Supports Coefficient of Friction _____							
Surface Preparation/Coating Systems _____							
External Loads Attached: ☐ Yes ☐ No _____							
COMPONENTS FURNISHED BY OTHERS							
Fireproofing: Thickness _____ Density _____							
Insulation: Thickness _____ Density _____ Vessel Susceptible to CUI ☐ Yes ☐ No							
Jacketing: _____							
INFORMATION FROM SUPPLIER							
Hydrotest Pressure _____							
Test Weight _____ Total Shipping Weight _____							
REFERENCE DRAWINGS AND SPECIFICATIONS							
Number	Description			Number	Description		