



### DESIGN SPECIFICATION

DESIGN CODE		: ASME SEC. VIII DIV.1 , 2010 EDITION		
DESIGN PRESSURE		: 1.65 Mpa	AT 50 °C	
OPERATING PRESSURE		: - Mpa	AT - °C	
HYDRO. TEST PRESSURE		: 2.145 Mpa		
MAX. ALLOWABLE WORKING PRESSURE (MAWP)		: 1.65 Mpa	AT 50 °C	
MIN. DESIGN METAL TEMPERATURE (MDMT)		: 0 °C	AT 1.65 Mpa	
CORROSION ALLOWANCE	: 0.5 mm.	POSTWELD HEAT TREATMENT (PWHT) : NO		
IMPACT TEST	: NO	SEISMIC ZONE : N/A		
HEAD TYPE : HEMI-SPHERICAL		WEIGHT : FABRICATED 20,113 kgs. OPERATING 70,695 kgs. TEST 128,311 kgs.		
COMPONENT	RADIOGRAPH			JOINT EFFICIENCY
SHELL	FULL			1.00
HEAD	FULL	1.00	INSULATION : NONE mm.	
MATERIAL SPECIFICATION				
SHELL / HEAD	JIS G3115 SPV 355	GASKET	NOTE 3	
FLANGE	A 105/A516 Gr.70	STUD BOLT/NUT	A193-B7/A194-2H	
NOZZLE NECK	API 5L Gr.B	OTHERS	SEE DRAWING	
COUPLING	A 105			
COATING SPECIFICATION				
SURFACE PREPARATION	: SA 2.5			
PRIMER COAT	: ZINC RICH PRIMER	1x60 MICRONS		
INTERMEDIATE COAT	: EPOXY UNDERCOAT	1x60 MICRONS		
TOP COAT	: POLYURETHANE	2x35 MICRONS		

### NOZZLE SCHEDULE

MARK	SERVICE	SIZE	Q'TY	NOZZLE NECK		FLANGE/COUPLING			REMARK
				SCH.	MATERIAL	TYPE	RATING	MATERIAL	
A	LIQUID INLET	2"	1	-	-	STUDDING FLG.	20K	A 105	W/PIPE
B	LIQUID OUTLET	2"	1	-	-	STUDDING FLG.	20K	A 105	
C	VAPOUR OUTLET	2"	1	-	-	STUDDING FLG.	20K	A 105	W/PIPE
D	DRAIN	2"	1	-	-	STUDDING FLG.	20K	A 105	
G1	LEVEL FLOAT GAUGE	-	1	-	-	SPECIAL	-	-	
G2	FIX LEVEL AT 85%	3/4"	1	80	A106 Gr.B	FULL COUP.	6000#	A 105	W/PIPE
V1	VAPORE RETURN	2"	1	-	-	STUDDING FLG.	20K	A 105	W/PIPE
V2	SPARE	2"	1	-	-	STUDDING FLG.	20K	A 105	
R1	SAFETY RELIEF VALVE	3"	1	-	-	STUDDING FLG.	300#	A 105	
T	TEMPERATURE GAUGE	1/2"	1	80	A106 Gr.B	FULL COUP.	6000#	A 105	
M	MANHOLE	18"	1	40	API 5L Gr.B	SO.RF.	20K	A 105	W/BLIND
P	PRESSURE GAUGE	3/4"	1	80	A106 Gr.B	FULL COUP.	6000#	A 105	W/PIPE