



SIDE VIEW

SECTION A-A

NOZZLE SCHEDULE								
MARK	SERVICE	SIZE	Q'TY	NOZZLE NECK		FLANGE/COUPLING		REMARK
				SCH.	MAT'L	RATING	MAT'L	
A	SPARE INLET	2"	1	80	A 106-B	6000# COUP.	A 105	WITH PLUG
B1	LIQUID OUTLET	2"	1	-	-	6000# COUP.	A 105	
B2	LIQUID OUTLET	2"	1	-	-	6000# COUP.	A 105	
C	PUMP BY PASS	2"	1	80	A 106-B	6000# COUP.	A 105	
D	DRAIN	2"	1	-	-	6000# COUP.	A 105	
E	LIQUID INLET	2"	1	-	-	6000# COUP.	A 105	
G1	ADAPTOR	1"	1	-	-	-	A 105	
G2	FIXED TUBE	1/4"	1	80	A 106-B	6000# COUP.	A 105	
M	MANHOLE	16"	1	7.5t	G3115 SPV355	ANSI300#SO.RF	A 105	W/BLIND FL.
P	PRESSURE GAUGE	1/4"	1	80	A 106-B	6000# COUP.	A 105	
T	THERMOMETER	1/2"	1	80	A 106-B	6000# COUP.	A 105	
R1,R2	EXTERNAL RELIEF VALVE	1-1/2"	2	-	-	6000# COUP.	A 105	
V1	VAPOUR RETURN	2"	1	80	A 106-B	6000# COUP.	A 105	
V2	VAPOUR OUTLET	1"	1	-	-	6000# COUP.	A 105	WITH PLUG

DESIGN SPECIFICATION			
DESIGN CODE	: ASME SECTION VIII DIV. 1 2004 EDITION		
DESIGN PRESSURE INTERNAL	: 1.650 (Mpa)g @ 90 °C		
DESIGN PRESSURE EXTERNAL	: - (Mpa)g @ - °C		
OPERATING PRESSURE	: 1.650 (Mpa)g @ 90 °C		
HYDROSTATIC TEST PRESSURE	: 2.145 (Mpa)g @ AMBIENT °C		
MAX. ALLOWABLE WORKING PRESSURE (MAWP)	: 1.650 (Mpa)g @ 90 °C		
MIN. DESIGN METAL TEMPERATURE (MDMT)	: -20 °C		
IMPACT TEST :	NO [UG-20(f)]	RADIOGRAPH :	SHELL : FULL HEAD : FULL
CORROSION ALLOWANCE :	0.5 mm.	POSTWELD HEAT TREATMENT (PWHT) :	NO [UCS-56]
JOINT EFFICIENCY :	HEAD 1.0	WEIGHT :	EMPTY 5,115 Kgs. TEST 25,040 Kgs. OPERATING 13,722 Kgs.
	SHELL CIRC. 1.0		
	SHELL LONG. 1.0		
HEAD TYPE :	HEMI SPHERICAL	INSULATION :	NO
MATERIAL SPECIFICATION			
SHELL / HEAD	G3115 SPV355	GASKET	NON/ASBESTOS
FLANGE	A-105	BOLT/NUT	A-193-B7/A-194/2H
NOZZLE NECK	A-106-B	SADDLE	SS 400
COUPLINGS	A-105	OTHERS	SS 400
SURFACE PREPARATION			
INTERIOR :		EXTERIOR :	
SANDBLAST	-	SANDBLAST	Sa 2.5
PRIMER COAT	NO	PRIMER COAT	Epicon Zinc HB-2 1 x 60 µm
INTERMEDIATE COAT	NO	INTERMEDIATE COAT	Epoxy Undercoat 1 x 60 µm
TOP COAT	NO	TOP COAT	Poly Urethane Unimarine-100 2 x 35 µm