



NOZZLE SCHEDULE

LIST	SERVICE	SIZE	Q'TY.	NACK NOZZLE		FLANGE/COUPLING		REMAKE
				SCH.	MAT'L	RATING	MAT'L	
A	LIQUID INLET	2"	1	80	A106 Gr.B	6000# COUPLING	A105	-
B	LIQUID OUTLET	2"	1	-	-	6000# COUPLING	A105	-
C	VAPOUR OUTLET	1-1/4"	1	80	A106 Gr.B	6000# COUPLING	A105	-
D	DRAIN	1-1/4"	1	-	-	6000# COUPLING	A105	WITH PLUG
E	SPARE INLET	2"	1	-	-	6000# COUPLING	A105	WITH PLUG
G1	LEVEL GAUGE	1"	1	-	-	-	A105	-
G2	FIXED TUBE	1/4"	1	80	A106 Gr.B	6000# COUPLING	A105	-
M	MANHOLE	16"	1	10t	G3115 SPV355	ANSI 300# SO.FL	A105	WITH BLIND FLANGE.
P	PRESSURE INDICATOR	1/4"	1	80	A106 Gr.B	6000# COUPLING	A105	-
T	THERMOMETER	1/2"	1	80	A106 Gr.B	6000# COUPLING	A105	-
R	SAFETY RELIEF	1-1/4"	1	-	-	6000# COUPLING	A105	-
V1	VAPOUR RETURN	3/4"	1	80	A106 Gr.B	6000# COUPLING	A105	-
V2	SPARE	1"	1	-	-	6000# COUPLING	A105	WITH PLUG

DESIGN SPECIFICATION

DESIGN CODE	: ASME SECTION VIII DIV. I 2015 EDITION
ADR TANK CODE	: -
DESIGN PRESSURE INTERNAL	: 1.650 (MPa) _g @ 90 °C
DESIGN PRESSURE EXTERNAL	: - (MPa) _g @ 90 °C
HYDROSTATIC TEST PRESSURE (UG99b(36))	: 2.145 (MPa) _g @ AMBIENT
OPERATING PRESSURE	: 1.650 (MPa) _g @ 90 °C
MAX. ALLOWABLE WORKING PRESSURE (MAWP)	: 1.650 (MPa) _g @ 90 °C
MIN. DESIGN METAL TEMPERATURE (MDMT)	: -20 °C
RADIOGRAPH : SHELL : FULL	CORROSION ALLOWANCE : 0.5 mm.
HEAD : FULL	IMPACT TEST : NO [UG-20(f)]
JOINT EFFICIENCY	POSTWELD HEAT TREATMENT (PWHT) : NO [UCS-56]
HEAD/SHELL : 1.0	WEIGHT : EMPTY : 2,146 Kgs.
SHELL CIRC. : 1.0	OPERATING : 5,691 Kgs.
SHELL LONG. : 1.0	TEST : 9,728 Kgs.
HEAD TYPE : HEMI SPHERICAL	INSULATION : NO
MATERIAL SPECIFICATION	
HEAD/SHELL : G3115 SPV355	GASKET : Spiral Wound Metal Gasket API 601
FLANGE : A105	BOLT/NUT : A193-B7 / A194-2H
NOZZLE NECK : A106 Gr.B	SADDLE : A36 / SS400
COUPLING : A105	OTHER : A36 / SS400
SURFACE PREPARATION	
INTERIOR : NO	EXTERIOR : YES
SANDBLAST : -	SANDBLAST : SA 2.5
PRIMER COAT : -	PRIMER COAT : Epical Zinc HB-2 1 x 60 µm
INTERMEDIATE COAT : -	INTERMEDIATE COAT : Epoxy Undercoat 1 x 60 µm
TOP COAT : -	TOP COAT : Poly Urethane Urethane-100 2 x 35 µm