



NOZZLE MARK	Q'TY	SIZE (INCH)	RATING	TYPE	SCH.	SERVICE	PROJECTION	REMARK
M1	1	24	ASME 150#	WN,RF	110	MANHOLE	810	W/DAVT,BLIND
L4	1	2	ASME 150#	WN,RF	80S	LEVEL TRANSMITTER	710	
L3	1	2	ASME 150#	WN,RF	80S	LEVEL TRANSMITTER	710	
L2	1	2	ASME 150#	WN,RF	80S	LEVEL GAUGE	710	
L1	1	2	ASME 150#	WN,RF	80S	LEVEL GAUGE	710	
N4	1	2	ASME 150#	WN,RF	80S	VENT	SEE DWG.	
N3	1	4	ASME 150#	WN,RF	40S	E.A. INLET	SEE DWG.	
N2	1	6	ASME 150#	WN,RF	40S	E.A. OUTLET	SEE DWG.	
N1	1	2	ASME 150#	WN,RF	80S	WASHING WATER INLET	SEE DWG.	

DESCRIPTION	MATERIAL SPECIFICATION	DESIGN DATA
SHELL, HEADS / REINFORCING PADS	SA240-304L / SA240-304L	
SUPPORT LEG	A36	
FLANGES & COVERS	SA182-F304L	
FORGED NOZZLES FLANGES & COVERS	-	
NOZZLE NECK PLATE	SA240-304L	
PIPE NOZZLE NECKS & WELDING FITTINGS	SA312-TP304L(smils.)	
EXTERNAL LUGS	SA240-304L	
INTERNAL PACKING	-	
SCREENS WIRE MESH DEMISTERS	-	
INTERNAL PIPE & WELDING FITTINGS	-	
EXTERNAL BOLTS/NUTS	SA193-B8 / SA194-8	
GASKETS	SEE NOTE "8"	
INSULATION SUPPORT	-	
NAME PLATE W/BACKET & EARTH LUG	A240-304	
ANCHOR BOLT/NUT	SA307-B/SA563-A(H.D.G)	
SIGHT GLASS	-	

DESCRIPTION	DESIGN DATA
CODE	ASME SEC. VIII DIV.1, 2010 ED.
NATION REGULATION	KSA
FLUID	ORGANIC
Sp. Gr.	0.9132
DESIGN PRESS. (bar G)	4.0 / F.V
DESIGN TEMP. (°C)	100
OPER. PRESS. (bar A)	1.0 (NOTE 6)
OPER. TEMP. (°C)	70 (NOTE 6)
M.D.M.T. (°C)	-5 @ 10.22 bar G
P.W.H.T.	NO
STRESS RELIEF	NO
PNEUM.TEST PRESS. (bar G)	-
HYDRO.TEST PRESS. (bar G)	13.28
M.A.W.P. (CORR. & HOT) (bar G)	10.22 @ 100°C
M.A.P.(NEW & COLD) (bar G)	10.65 @ 17°C
M.A.E.W.P. (bar G)	1.21 @ 100°C

DESCRIPTION	DESIGN DATA
CODE STAMP	ASME "U" + NATIONAL BOARD REGISTRATION
CAPACITY (M ³)	3.1
ERECTION WEIGHT (kg)	1530
EMPTY WEIGHT (kg)	2140
OPER. WEIGHT (kg)	4320
FULL OF WATER WEIGHT (kg)	5280
FIRE PROOF. (mm)	50
INSULATION (mm)	25.4(P.P)
CORR. ALLOW. (mm)	0.1
JOINT EFF(S/H)	100/100
RADIOGRAPH (S/H)	FULL/FULL
SEISMIC FACTOR	1.25 (SITE CLASS "D")
WIND	42.7 m/s (ASCE 7-05)
PAINT (C/S PART)	SEE NOTE 8
IMPACT TEST	NO
SPECIAL SERVICE	-

REV.	DESCRIPTION	DATE	PRE'D	CH'D	APP'D	APP'D (ETC)	APP'D (SPEC)

- GENERAL NOTES**
- ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT AS NOTED.
 - ALL WELDS ARE CONTINUOUS EXCEPT AS NOTED.
 - ALL FLANGE BOLT HOLES SHALL FLANGE STRADDLE NATURAL CENTER LINE OF EQUIPMENT.
 - VENDOR SHALL CHECK AND GUARANTEE THICKNESS OF EACH PART BY STRENGTH CALCULATION.
 - ALL RECTANGULAR PADS WELDED TO BODY SHALL HAVE 25MM MINIMUM CORNER RADIUS.
 - NOZZLE REINFORCEMENT PAD SHALL BE PROVIDED WITH AT LEAST 1(ONE)-1/4" NPT THREADED TELLTALE HOLES WITH S.S PLUGS. THE TELLTALE HOLE SHALL NOT BE LOCATED ON THE LONGITUDINAL CENTERLINE OF THE EQUIPMENT.
 - HEAD THICKNESS MEANS AFTER FORMING OF HEAD.
 - GASKET MATERIAL : TEALON 1590 OR EQ.
 - OPERATING CONDITION
MAX. : 4.0 barA AT 70°C
 - HAND RAIL & LADDER SHALL BE PROVIDED BY VENDOR.
 - ASME "U" STAMP WITH NATIONAL BOARD REGISTRATION SHALL BE REQUIRED.