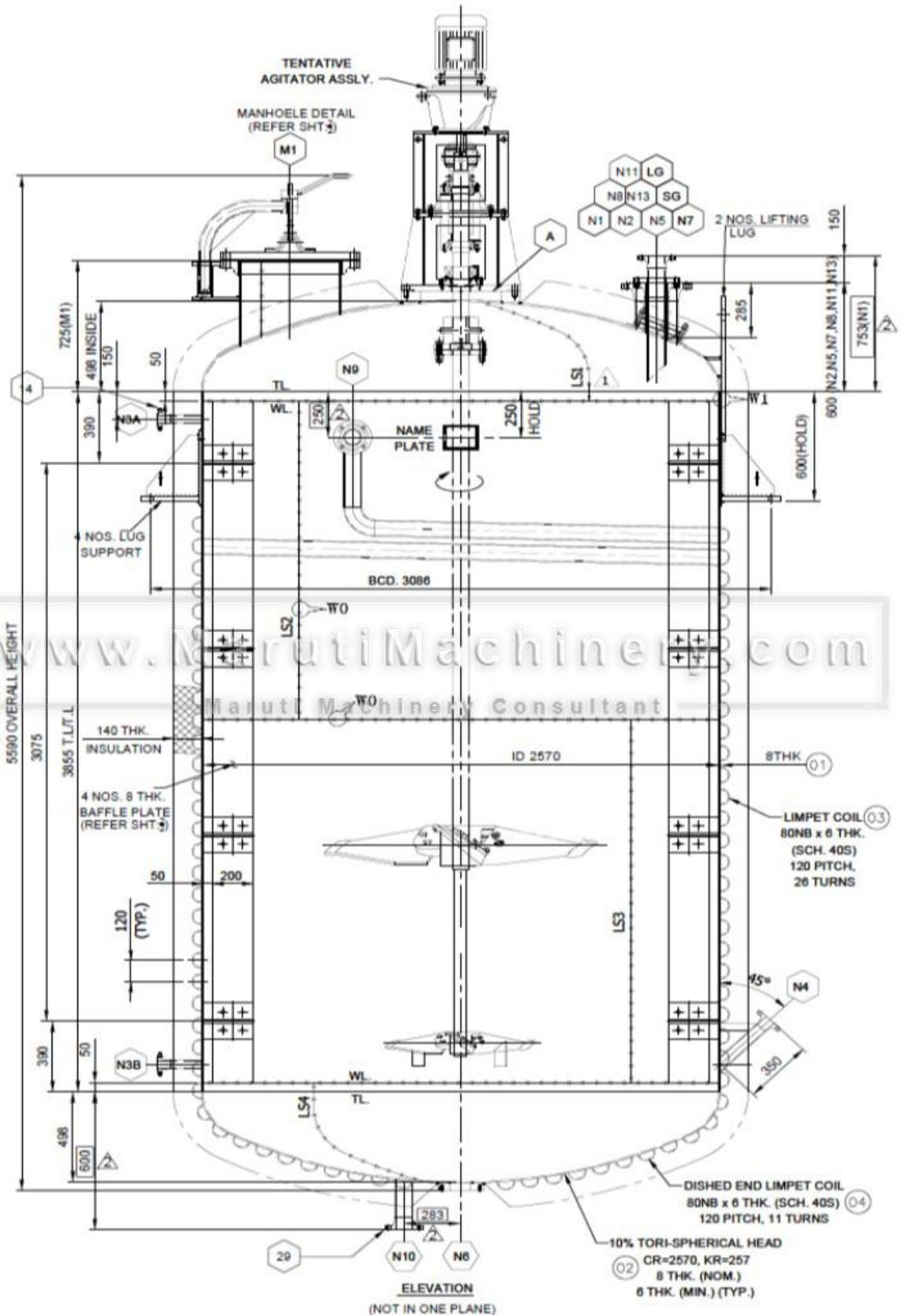


23KL SS316L Reactor For Sale Ref ID #ESM65365

Drawing



Technical Data

		DESIGN DATA		IF IN DOUBT, ASK	DO NOT SCALE
		SHELL SIDE	LIMPET SIDE		
DESIGN CODE		ASME SEC. VIII-DIV-1 ED-2017			
PROCESS DATA SHEET NO.		PE-3053-DS-R-1A02_REV.1			
NUMBER OF EQUIPMENT'S		ONE (1)			
VESSEL TYPE		VERTICAL			
SERVICE FLUID/CONTENT		-		LPS	
SERVICE FLUID CATEGORY		-		-	
OPERATING PRESSURE	KG/CM2 (g)	ATM		3.45	
OPERATING TEMPERATURE (MIN/MAX.)	(°C)	70		147	
DESIGN PRESSURE	KG/CM2 (g)	2.5		5.0	
DESIGN TEMPERATURE	(°C)	100		200	
MDMT	(°C)	0		0	
CORROSION ALLOWANCE	(mm)	NIL		NIL	
JOIN EFFICIENCY	(SHELL/HEAD)	0.85/1.0		0.7	
RADIOGRAPHY	(SHELL/HEAD)	10% + T 100% / 100%		NIL	
POST FORMING HEAT TREATMENT		N/A		N/A	
POST WELD HEAT TREATMENT		N/A		N/A	
IMPACT TEST		N/A		N/A	
DENSITY OF FEED	(kg/m3)	982.5		970	
VISCOSITY	(cP)	2.56		2.24 TO 4.48	
INSULATION TYPE/THICKNESS		MINERAL WOOL / 140mm		N/A	
HYDROSTATIC TEST PRESSURE	KG/CM2 (g)	3.25		6.50	
HYDROSTATIC TEMPERATURE	(°C)	17 - 48		17 - 48	
CAPACITY (WORKING/NOMINAL)	(m3)	16.0/23.0		HTA...(m2)	
WIND DESIGN CODE		IS 875, PART-3			
EARTH-QUAKE DESIGN CODE		IS 1893, PART-4, ZONE-III			
PAINTING/CLEANING		YES (NOTE:F)			
INSPECTION BY		CLIENT			
WEIGHT(EMPTY / OPERATING / HYDROTEST)	(kgs)	5100 / 28000 / 30000			

NOZZLE DATA (SHELL SIDE)									
MARK	QTY.	NOM DIA.	SCH/ THK.	FLANGES			PROJ. FROM CL./T.L.	PAD O.D.xT	SERVICE
				CLASS	TYPE	FACING			
N1	1	100/80	40S/40S	150	WN	RF	753	210 X 8	WATER INLET WITH SHORT DIP PIPE
N2	1	200	40S	150	WN	RF	600	320 X 8	SOLID INLET WITH KNIFE GATE VALVE
N3A/B	1	80/2	40S	150	WN	RF	1508	180 X 8	LEVEL TRANSMITTER (CAPILLARY TYPE)
N4	1	40/2	80S	150	WN	RF	SEE DRG.	-	TEMPERATURE TRANSMITTER
N5	1	50	80S	150	WN	RF	600	-	VENT
N6	1	100	PAD TYPE			RF	-	-	OUTLET FROM BOTTOM (PAD TYPE)
N7	1	80	40S	150	WN	RF	600	180 X 8	LEVEL TRANSMITTER
N8	1	50	80S	150	WN	RF	600	-	SPARE WITH B.F. - 2.
SG	1	150	PAD TYPE			RF	-	-	SIGHT GLASS
LG	1	150	PAD TYPE			RF	-	-	LIGHT GLASS
N13	1	80/50	40/80S	150	WN	RF	600	180 X 8	COMPONENT B & C INLET
M1	1	500	8THK.	150	SO	RF	725	800 X 8	MANHOLE WITH DAVIT + B.F.
A	1	400	PAD TYPE			RF	-	-	AGITATOR ENTRY FLANGE NOZZLE
N11	1	80	40S	150	WN	RF	600	180 X 8	SPARE WITH B.F. - 1
NOZZLE DATA (LIMPET SIDE)									
N9	1	80	40	150	WN	RF	1508	-	LIMPET INLET
N10	1	80	40	150	WN	RF	600	-	LIMPET OUTLET

GMM PFAUDLER AGITATOR

OUTPUT 71 RPM

ITEM	QTY.	DESCRIPTION	MODEL/MATERIAL
1	1	ELECTRIC MOTOR	REFER MOTOR DATA
2	1	GEAR BOX (BONFIGUOLI) : AS55F/20.4:1/P132/V1	HELICAL
3	1	FLEXIBLE COUPLING : PIN & BUSH TYPE.	RB 198
4	1	UPPER SOLID SHAFT	SS:316L
5	1	SHAFT SEALING: SINGLE MECH. SEAL	EPIL-MAKE
6	1	REMOVABLE COUPLING	SS:316L
7	1	LOWER SOLID SHAFT	SS:316L
8	2	MF3 IMPELLER	SS:316L

MOTOR DATA		
5.5 kw (7.5 HP) , 415 V $\pm$ 5% , 3 PHASE, 50 Hz $\pm$ 5% , V1, 4 POLE, EFF-1,VFD SUITABLE.		
ENCLOSURE : MOTOR-TEFC/IP55/VERTICAL FLANGE MOUNTED/STD (MOTOR RPM 1450)		
FRAME SIZE : 132S , MAKE: SIEMENS MAKE		
IMPELLER DATA		
IMPELLER TYPE	IMPELLER LOCKING ARRANGEMENT	IMPELLER ADJUSTMENT
MF3 UPPER IMPELLER	(IMPELLER HUBS ARE KEYED TO SHAFT AND BLADES ARE BOLTED TO HUBS.)	$\pm$ 100
MF3 LOWER IMPELLER		+100