

**Drum Diameter : 1050 mm**

**Drum length : 1500 mm**

**Contact Part : SS304**

## **MOC**

**Drum Shell :16 mm thick SA-240 Gr-304 plate**

**End plate : 16 mm thick SA-240 Gr-304 plate**

The Shell Drum shall be machined & shall be true & smooth

## **End shaft :**

OD - 140 mm, ID - 103 mm

Carbon steel One at each end plate with stuffing boxes and Cooling water inlet/outlet

## **Bearing & Pedestal :**

2 nos. Self-aligned Spherical Roller Bearing  
with heavy duty pedestals

## **Cooling Line**

The cooling inlet into the drum shall be through pressure pump so that there shall be fine spray of water on the drum in mist form & outlet from the drum is provided with siphoning arrangement. Due to siphoning, drum operates at almost empty condition. The cooling medium inlet is provided with spray arrangement such that the cooling medium flows in a

manner of a film as a result cooling side heat transfer coefficient is very good

### **Feed Tray :**

Jacket Feed Tray shall be provided

**Tray** - 8 mm thick SA 240 Gr 304  
**Limpet**- MS, C, Class Pipes

### **Scraper:**

UHMV Blades shall be bolted on SS holder. The holder will be aligned so that the blade will be perfectly parallel to drum surface. The blade will be adjustable by 2 no. of hand operated wheels.,  
Qty --2 Nos.

## **Discharge Plate & Trolley :**

This shall be made of 16 G mm SS 304 attached to Flaker on such a way that flakes from scrap blade falls in the trolley.

**Base frame & Stand :** Heavy duty for holding rotating drum,. trav. hood and scrape blade holder. Shall be fabricated from MS plates, channel and angles

## **Drive System**

**Motor :** 5 HP, 1440 rpm, 3 phase, TEFC motor, CGL or equivalent

**Gear box** : Worm reduction, 6  
NU suitable ratio, Elecon or  
equivalent

**Make : Febchem engineering  
works pvt ltd**

Limpet Coil Reaction Vessels  
Quantity- 2

**Material of Construction:**

SS316L

(Limpet is also in SS316L)

**CAPACITY: 1.5 KL**

**Nos : 2**

**Shell Dimensions:**

Thickness : 6mm

Diameter: 1150 mm

Height : 1500 mm

**Dish thickness: 6mm**

**Limpet : 3 inch SS316L**

**Agitator: Anchor type**

**Drive Unit :**

Motor: 5hp

Gearbox: Planetary gearbox  
(National Make)

Design pressure: 4kg

**Nozzles:**

- 1) light glass
- 2) vapour nozzle
- 3) pressure nozzle
- 4) inlet / outlet
- 5) Thermowell nozzle

Material of Construction All  
Contact Part: SS304

Capacity: 1600L gross

**Shell Dimensions:**

length : 2000 mm

width : 820 mm

U Bottom : 410 mm

Height : 1100 mm

(Total Machine height raised  
About 2000mm for better  
material handling and easy bag  
filling)

Shell Thickness 5 mm SS304

Side plates: 12mm ms with SS cladding

Shaft : SS304 pipe OD 100 mm

Top cover: 2mm thick SS304

## **Drive unit :**

Electric Motor

1. 10 HP

2. 1440 RPM

3. National motor mfg. Co. Make

Gear Box

4. 40:1 Ratio

5. 2000 Model (NU)

6. National Gear Make heavy duty

Planetary gearbox

Ribbons :

Flates : 65×12 mm

50×12 mm

SS304

MS Platform constructed for  
Material holding and for easy  
Climbing

Platform size : 2000 mm × 800  
mm + steps

3 pass thermic fluid heater

Capacity: 200000 kcal/hr

Fuel: Wood/Biocoal/Briquette

Make : Shiv boiler pvt ltd

Chimney: 30 feet

Oil circulation pump : 7.5 hp  
(Make Sujal process pump)

Id fan : 3 hp  
(Make Jainam engineers)

Valves : Valtech / Valson

Electric panel with temperature  
sensor in packed condition  
available

(Along with all required erection  
pipeline and valves)