

## **Specifications for Double Planetary Mixer**

- Vessel/Container Volume: 400 L
- Working Volume: 320 L
- Blade Design: (*Following 2 blades design should be provided and must be interchangeable*)
  - a. High Viscosity, HV Blades, Helical Type, 2 blades per shaft, Total 4 blades (mixing pattern must be provided with the quotation)
  - b. High Viscosity, Rectangular Blades, (mixing pattern must be provided with the quotation)
- Viscosity Handling Range: up to 8 million cP
- Revolution Speed: 4-100 (rpm) (Variable)
- Rotation Speed: 4-100 (rpm) (Variable)
- Motor Power: More than 20 KW
- Vacuum Pump: capacity of 0.1 mm Hg of vacuum and continuous operation of min 12 hours.
- Protection Class for Electrical Motors = Ex II 2 D E Exd IIC T 6, IP 66

### **MIXING CAN:**

- Change can design with vacuum
- Materials of Construction: Stainless Steel type 316L wetted parts polished to 80 grit finish
- Jacketed vessels for heating or cooling with hot/cold water
- Should withstand 0.1 mm Hg of vacuum
- Locking system for mix can, during unlock position mixer should not operate

### **Features:**

- Temperature probes and pressure transducer for product monitoring during operation
- Control panel 5-10 m away (Exact distance will be conveyed later on)
- Emergency on/off on the mixer
- Sight, Charge/pouring ports, inlet/outlet jacket nozzles, Flame Proof tank light
- Motorized hydraulic lift with a self contained hydraulic pump/motor and Raise/lower controls.
- Stainless steel gearbox. Viton sealing, O-ring's and Lip seals on stirrer shaft.
- Bottom scraper and self adjusting side wall scraper arm
- Vacuum Break Valve
- Flush tank discharge valve
- 100% motor overload protection
- PLC Flame proof control cabinet, IP 66 having LED display for Temperature, Vacuum, Raise/lower controls, rotation & revolution speed, interlocking.
- Safety limit switches (Flame Proof)

### **Spares:**

- 02 sets of all replaceable and any other part as recommended by the supplier

### **Inspection:**

- Installation, Operation, Maintenance Training and Pre Shipment Inspection by buyer

### **Make: M/s ROSS or equivalent**

Catalogue/Brochure/Installation and operating Manual should be provided with quotation