

Sugar Mill department wise requirement of Champion Jointing Sheets and Gland Packings

1. Milling Section

- Unstrained Juice Pump – Champion Packing Style 1100 / Style 1800
Champion Jointing LP Style 20
- Strained Juice Pump (Clear Juice Pump) – Champion Packing Style 1100 / Style 1800
Champion Jointing LP Style 20
- Hot Water Imbibitions – Champion Packing Style 1100 / Style 1800
Champion Jointing LP Style 20

2. Juice Section

- Sulphur & Juice Pump (Media Juice) – Champion Packing Style 1100 / Style 1800
Champion Jointing LP Style 20
- Lime Pump (PH Control) – PH7 – Champion Packing Style 1100 / Style 1800
Champion Jointing LP Style 20
- Mud Pump (PH Below 7) – Champion Packing Style 1100 / Style 1800
Champion Jointing LP Style 20
- Sulphur Burner Manholes – (Temp 250°C) – Champion Jointing HP Style 54 Metallic
- All Steam Line Valves – Pressure 7 bar & Temp 250°C to 300°C
Champion Jointing HP Style 54 Metallic
Champion Gland Packing Style 1916

3. Evaporation

- 1st effect condensate water pump – (Temp 110°C)
Champion Jointing HP Style 54 Metallic
Champion Gland Packing Style 1916
- 2nd & 3rd effect condensate water pump – (Temp 50°C to 80°C)
Champion Jointing LP Style 20
Champion Gland Packing Style 1100

4. Vacuum Pans

- Sluice Valve – (Cap Joint & Side Joint) – Champion Jointing LP Style 20
Champion Gland Packing Style 1100
- Right Angle Valve – (Cap Joint & Side Joint) – Champion Jointing LP Style 20
Champion Gland Packing Style 1100
- Steam Line Valve – (Temp 125°C to 150°C & Pressure 7 bar)
Champion Jointing HP Style 54 Metallic
Champion Gland Packing Style 1916

- Vacuum Pan Manholes –
Champion Jointing LP Style 20
Champion Gland Packing Style 1100
- Vapour Line Manholes –
Champion Jointing LP Style 20
Champion Gland Packing Style 1100

5. Crystallization

- Crystallizer Shaft –
Sealing by Champion Gland Packing Style 1100

6. Centrifugal

- Molasses Pump – (Media Molasses Particals) – RPM – 450
Champion Jointing LP Style 20
Champion Gland Packing Style 1800 /
Non Asbestos Style 176 / Style 6376
- Magma Masecuite Pump – (Media Crystal with Molasses) – RPM – 36
Champion Jointing LP Style 20
Champion Gland Packing Style 1800 /
Non Asbestos Style 176 / Style 6376
- Rota Pump –
Champion Jointing LP Style 20
Champion Gland Packing Style 1800 /
Non Asbestos Style 176 / Style 6376
- Spray & Injection Pump – RPM 250 to 300 RPM
Champion Jointing LP Style 20
Champion Gland Packing Style 1100
- Steam Valves –
Champion Jointing HP Style 54 Metallic
Champion Gland Packing Style 1916

7. Boiler

- Steam Drum Manholes Door –
Champion Jointing HP Style 54 Metallic
- Mud Drum Manholes Door –
Champion Jointing HP Style 54 Metallic
- Glove Valve –
Champion Jointing HP Style 54 Metallic / Style 55 Universal Metallic
Champion Gland Packing Style 1916
- Startup vent Valve –
Champion Style 38 Packing / Graphite Molded Ring / Carbon Ring
- Header Valve –
Champion Style 38 Packing / Graphite Molded Ring / Carbon Ring
- Main Steam Stop Valve –
Champion Style 38 Packing / Graphite Molded Ring / Carbon Ring
- Hot water Flange joints & Steam Line Piping –
Champion Jointing HP Style 54 Metallic
- Boiler Feed Pump –
Multistage Pump (Temp 110°C to 120°C)
Champion Jointing HP Style 54 Metallic
Champion Gland Packing Style 1916
- Condensate Pump – (Temp 50°C to 60°C)
Champion Jointing LP Style 20
Champion Gland Packing Style 1100

8. Turbine

- Header Valve / CSDH – (Common Steam Distribution Header) Champion Style 38 Packing / Graphite Molded Ring / Carbon Ring
- Turbine Control Valve – Champion Style 38 Packing / Graphite Molded Ring / Carbon Ring
- Emergency Control Valve – Champion Style 38 Packing / Graphite Molded Ring / Carbon Ring
- Steam Globe Valve – Champion Jointing HP Style 54 Metallic / Style 55 Metallic
Champion Gland Packing Style 1916
- Ejector for vacuum creation – SWG gaskets or Champion Jointing HP Style 54 Metallic
- Steam Line Flange Joints – SWG
- Turbine Steam –
- ◆ Intel Steam (Temp 515°C, Pressure 90 bar) –
Champion Jointing HP Style 54 Metallic / Style 55 Metallic
Champion Gland Packing Style 1916
- ◆ 1st Extraction (Temp 350°C, Pressure 11 bar) –
Champion Jointing HP Style 54 Metallic / Style 55 Metallic
Champion Gland Packing Style 1916
- ◆ 2nd Extraction (Temp 120°C, Pressure 2.5 bar) – Champion Jointing LP Style 20
Champion Gland Packing Style 1100

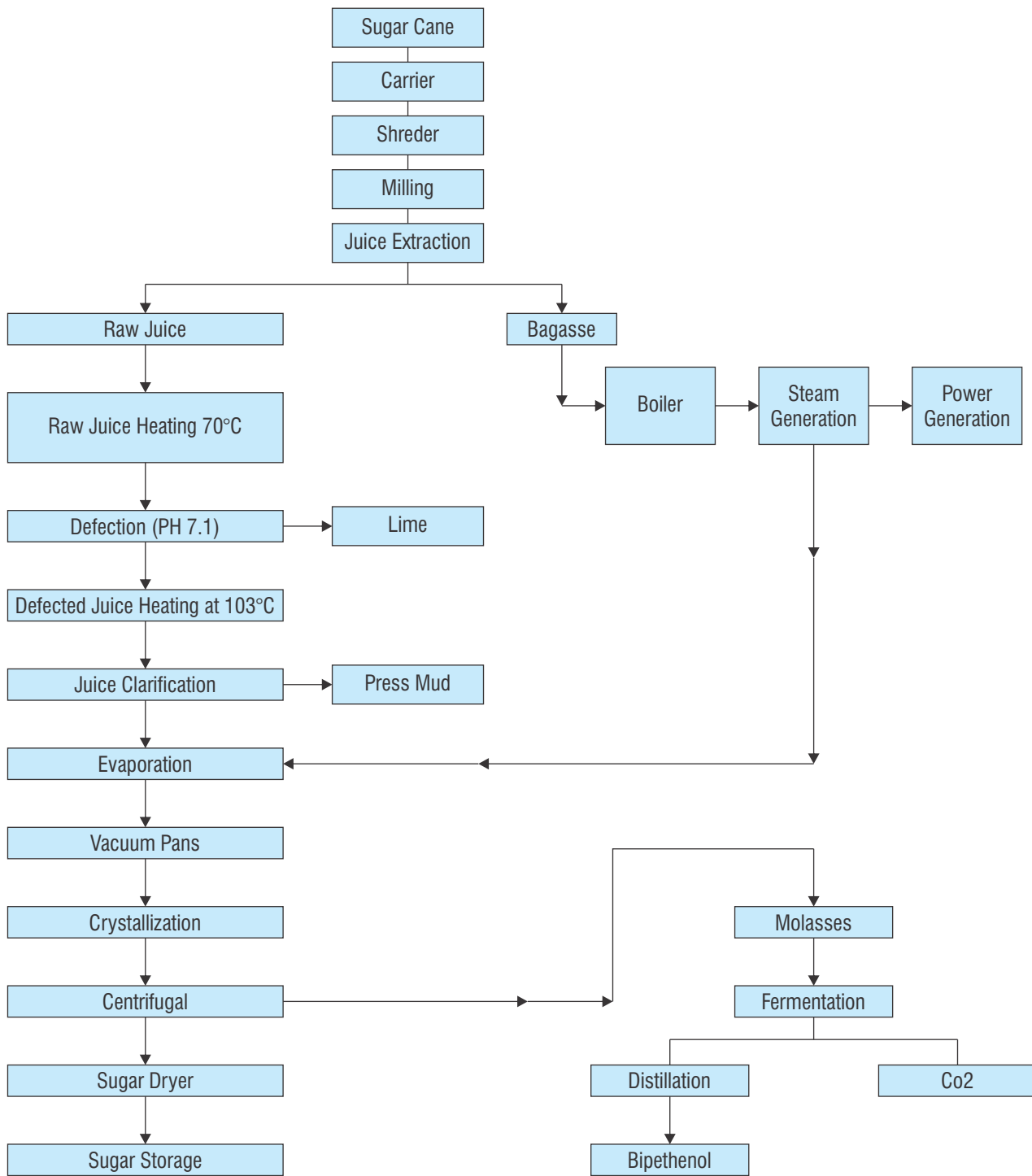
9. Cooling Tower

- UP Pump – Champion Jointing LP Style 20
Champion Gland Packing Style 1100

10. Distillery – PH7 & Temp 118°C

- Steam Line Valve – Champion Jointing HP Style 54 Metallic
Champion Gland Packing Style 1916
- Molasses Line Valve – Champion Jointing LP Style 20
Champion Gland Packing Style 1100
- Spirit Line Pipe Flange Joint – Champion Jointing LP Style 20
- Co2 Pipe Line – Champion Jointing LP Style 20
- Water Pump – Champion Gland Packing Style 1100

Sugar Mill Flow Chart



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