

OIL IMPREGNATION PLANT



Features

- ▣ Automatic sequence control through PLC (Programmable Logic Controller).
- ▣ Uniform temperature throughout the POST & ROST.
- ▣ VITON sealing is an added feature of the plant in maintaining leak proof sealing.
- ▣ Horizontally mounted Stainless steel cylindrical shaped POST & ROST tank rest on 6 legs for equal load distribution..
- ▣ Outer insulation with aluminium / Stainless steel cladding.
- ▣ Auto shut off valve to avoid vacuum loss when power fails.
- ▣ Machine provided with Oil Level indicator.
- ▣ Automatic heating, vacuum & filtration cycle.
- ▣ Automatic flow control valve on each oil inlet to control oil flow.
- ▣ Graphical representation of temperature rise & vacuum on HMI as a trend screen.
- ▣ Digital Pirani Gauge (upto 0.001mbar) with interface output for external display.
- ▣ Oil filtration unit having pre filter, coarse filter & fine filter with easy replaceable filter cartridges.
- ▣ Heating of chamber in Ramp mode programming.
- ▣ User friendly operation through color monitor (Mimic Display) system along with easy diagnosis.

Technical Specification

Impregnation Tank capacity	72 minimum/charge
Tank Loading	Front Side
Capacity of oil tank	400 Litres
Hot Oil storage tank	SS 202, with adequate insulation
Oil Pump	40 LPM, 3hp, 415V AC @50Hz, 1440 rpm
Chamber skin temp	Max 5° C above ambient temp
Chamber Outer Insulation	Mineral wool around chamber with 75-100mm thickness & finally covered by SS 302 Cladding.
Inside chamber walls	MS Sand blasted & Zinc coating.
Chamber wall thickness & material	10mm, Mild Steel.
Chamber Outer Top	Aluminum checkered sheet for skid free movement.
Chamber re-inforcement ribs & material	16mm, mild steel
Sealing & Gasketing material	T ring of viton Rubber
Material of viewing & lighting window	Toughen glass to withstand high pressure.
Chamber door locking material	SS bolts
Control Panel	Auxillary Control panel, Ip65
Condenser Capacity	5 litres
Leak rate	less than 0.08 mbar liter/sec
Temperature uniformity	±2 deg @ no load, 50% load, 80% load at pre ambient & vacuum
Vacuum Level	2×10 ⁻² at no load & 5×10 ⁻² at full load.

General Specification

Power supply : 415 V AC, 50 Hz, 3ph, 51kW.

Inner Dimension : 4620 × 1690 × 1715 mm (L×W×H).

NOTE: We reserve the right to modify above specifications at any time. please confirm your specification before ordering.