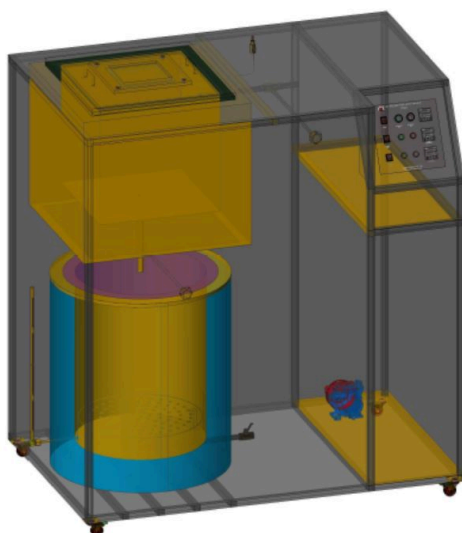




**EIE INSTRUMENTS PVT. LTD.**  
(An ISO 9001:2015 Certified Company)

## OIL ABSORPTION BATH WITH VACUUM DRYING CHAMBER - INNER S.S. - 50 X 50 X 50 CM



### Salient Features

1. Oil Absorption Bath with Vacuum Drying Chamber
2. Fitted with Vacuum Drying Chamber at top
3. Fitted with Oil Absorption Bath at the bottom side
4. Both the chambers are connected through valve and dedicated transfer pipelines.
5. Control panel to operate both the chambers is mounted on one side.
6. Control panel consists of 02 Nos Digital Temperature controllers for Vacuum Drying chamber & Oil Bath
7. Control panel consists of 02 Nos Digital Vacuum Controllers for Vacuum Drying chamber & Oil Bath
8. Control panel also consists of Mains switch and LED Indicator for various processes.
9. Both vacuum drying chamber & Oil Bath are connected with separate vacuum pumps
10. Entire unit is mounted on castor wheels for easy mobility
11. Aesthetic exterior appearance
12. Ease of maintenance
13. Ease of operation

### Note

Vacuum pump for Vacuum drying chamber and Oil absorption bath shall be ordered separately.

### Technical Specification

|                                   |   |                                |
|-----------------------------------|---|--------------------------------|
| •Vacuum drying chamber            | : |                                |
| •Vacuum drying chamber dimensions | : | 500 x 500 x 500 mm (W x D x H) |
| •Vacuum drying chamber Volume     | : | 125 Liters                     |

|                            |   |                                                                                                   |
|----------------------------|---|---------------------------------------------------------------------------------------------------|
| •Construction              | : | Double walled Construction                                                                        |
| •Inner chamber             | : | Fabricated from polished stainless steel material S.S. - 304 grade                                |
| •Exterior body             | : | Fabricated from mild Steel material                                                               |
| •Exterior Body Paint       | : | Powder coated in attractive shades                                                                |
| •Insulation                | : | Glass wool insulation between inner chamber and exterior body to prevent direct thermal heat loss |
| •Inlet & outlet connection | : | For oil filling and draining the chamber                                                          |
| •Door arrangement          | : | Front loading type with Observation window                                                        |
| •Temperature Range         | : | From 5 °C above ambient to 150 °C                                                                 |
| •Heating                   | : | Heated by Immersion heaters installed within the inner chamber                                    |
| •Temperature controller    | : | Microprocessor based Auto-Tune PID Digital Temperature controller cum indicator                   |
| •Temperature Resolution    | : | 0.1 °C                                                                                            |
| •Temperature Accuracy      | : | ± 2 °C                                                                                            |
| •Temperature sensor        | : | PT-100                                                                                            |
| •Vacuum range              | : | 0.05 mbar to 25 mbar                                                                              |
| •Vacuum controller         | : | Digital Vacuum controller                                                                         |
| •Vacuum transmitter        | : | To sense & display the vacuum generated by the vacuum pump set point                              |
| •Vacuum release valve      | : | Fitted on top side                                                                                |
| •Operation on              | : | 230 Volts, 50 Hz, Single phase, AC Supply                                                         |
| •Oil Bath                  | : |                                                                                                   |
| •Chamber Size              | : | 520 mm dia x 600 mm height                                                                        |
| •Chamber volume            | : | 127 Liters                                                                                        |
| •Construction              | : | Double walled Construction                                                                        |
| •Inner chamber             | : | Fabricated from polished stainless steel material S.S. - 304 grade                                |
| •Exterior body             | : | Fabricated from mild Steel material                                                               |
| •Exterior Body Paint       | : | Powder coated in attractive shades                                                                |
| •Thermal Insulation        | : | Glass wool insulation between inner chamber and exterior body to prevent direct thermal heat loss |

|                         |   |                                                                                 |
|-------------------------|---|---------------------------------------------------------------------------------|
| •Oil filling valve      | : | At top side                                                                     |
| •Oil Drain valve        | : | At bottom side                                                                  |
| •Temperature Range      | : | From 5 °C above ambient to 100 °C                                               |
| •Heating                | : | Heated by Immersion heaters installed within the inner chamber                  |
| •Temperature controller | : | Microprocessor based Auto-Tune PID Digital Temperature controller cum indicator |
| •Temperature Resolution | : | 0.1 °C                                                                          |
| •Temperature Accuracy   | : | ± 2 °C                                                                          |
| •Temperature sensor     | : | PT-100                                                                          |
| •Vacuum range           | : | 10 mbar                                                                         |
| •Vacuum controller      | : | Digital Vacuum controller                                                       |
| •Vacuum transmitter     | : | To sense & display the vacuum generated by the vacuum pump set point            |
| •Vacuum release valve   | : | Fitted on top side                                                              |
| •Perforated Platform    | : | To hold the sample                                                              |
| •Oil level indicator    | : | to indicate the oil level at all the time                                       |

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