

MODEL NO.: YSI-432

YSI UNIVERSAL OVEN

—Memmert Type,

Suitable for applications involving high temperature upto 300°C and corrosive chemicals in Laboratories, Research Institutions and industries.

Construction : YSI Ovens are sturdy, with double walled construction. Inner chamber is made of M.S. Sheets or Highly Polished Stainless Steel. Outer chamber is made of Mild Steel Sheet, duly pretreated in seven tanks process for surface treatment & finished with durable Powder Coated Paint. 75 mm gap between the walls is filled with special grade glass wool for proper insulation and to avoid heat losses. Inner chamber is fabricated with ribs to adjust shelves to any convenient height. Supplied with 2 or 3 removable shelves.

SHELVES are made of perforated polished SS Sheet/M.S. Mesh. Door is double walled & is insulated and is fitted with heavy hinges with a ball catcher spring - loaded door closing device.

Heating Element : Heating elements are made of high grade imported nichrome wire which is properly insulated and are generally placed suitably in the Air Path for uniform temperature all over the space.

Temperature Range : A Wide temperature range of 50°C to 300°C ± 2°C to 3°C for various applications. The temp. inside the chamber maintained constant by natural convection currents of heated air.

Temperature Control : Temperature is controlled by Digital Temperature Controller cum Indicator, provided with Air Circulating fan for providing homogenous temperature through out the chamber.

Ventilation : Air ventilator ports provided on both sides at top to ventilate, gases and fumes if any & to accelerate convection process.

Control Panel : The equipment is provided with a panel on which are mounted a thermostat control knob, ON/OFF switch high/low switch pilot indication lights.

The units are tested for continuous performance and safety in our most modern laboratory equipped with various test instruments.

Power Requirement : Suitable to operate on 220 V single phase, 50 Hz, AC supply.



Size of inner chamber :

| W | x | H | x | D | No. of Shelves |
|-----|---|-----|---|-------|----------------|
| 300 | x | 300 | x | 300mm | 2 |
| 355 | x | 355 | x | 355mm | 2 |
| 455 | x | 455 | x | 455mm | 2 |
| 455 | x | 605 | x | 455mm | 3 |
| 605 | x | 605 | x | 605mm | 3 |
| 605 | x | 910 | x | 455mm | 3 |
| 605 | x | 910 | x | 605mm | 3 |

Optional Accessories :

- A unique dedicated Microprocessor Controller " Fugy Logic Control" with and accuracy of ± 0.1°C, P.I.D. Control, 0-999 minutes Data retentive process and delay timer, with 7 segment LED Display
- Adjustable overshoot Alarm and Heater cut off
- Lowest Power consumption Algorithm
- In built Soft Start for Heaters prolonge heater lifts
- Built in RS- 232 Port
- (Optional) Parrallel Printer Port
- Timer

TEMPERATURE CONTROL