

DHS - 3017

DRY HEAT STERILIZER



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

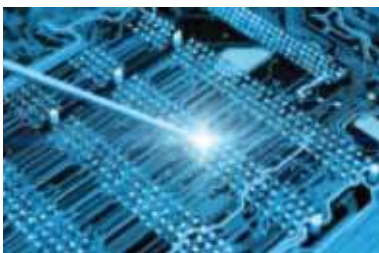
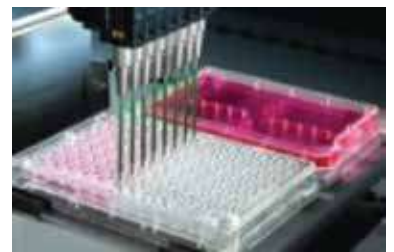
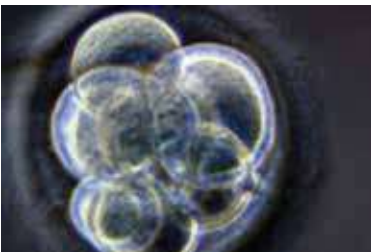
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►► General / Universal Oven

►► Application

WIST Universal ovens are suitable for all applications for drying, heating, heat preservation, sterilization, component ageing, curing or any other thermal test in laboratories and in all sectors of industry.



►► A strong construction for lasting performance.

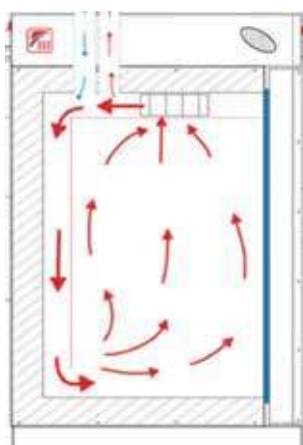
- The outer casing is made of steel plate, finished in a tough stoved powder coated (white and Sky blue colors).
- The inner casing is made of corrosion resistant stainless steel 304 grade.
- The control panel is located on the top part of the oven for smallest space requirements.
- Movable castors wheels from 320L onwards

►► Entry Port Ø 20 mm

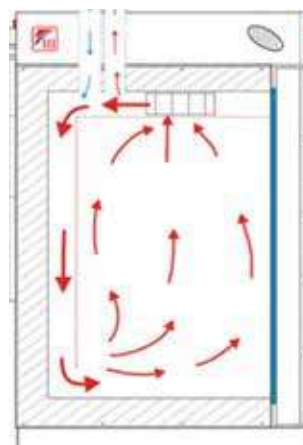
An entry port Ø 20 mm is centered on the left side for passing cables.

►► Loading shelves

- Ovens are delivered with stainless steel shelves.
- Many positions are available for convenient loading/unloading.
- Each shelf can withstand up to 30 kg.
- Supports of shelves have an anti-tilting system.
- The spacing between the levels is 35mm.



General Purpose Oven



Universal Oven

►► Alarms & safety

High/low temperature deviation alarm.

High temperature thermostat cutt-off in case of controller fail.

Heating indication in front of control pannel.

MCB safeguard in case of failure of heater.

►► Control System

- Measurement by PT100 probe. Electronic PID temperature controller.
- Color display, excellent visibility of temperatures.



►► **Display of set point and measured temperature**

- PID adjustment with auto tuning facilities.
 - 0.1°C temperature resolution
 - display (in percentage) of the heating power used
- Possibility of making 1 program with 8 steps:
- 8 programmable temperature ramps (°C/min) and
 - 8 heating timer (max 9999min)
- delayed start
 - pause or stop the program
 - end of cycle buzzer

►► **A powerful vertical airflow which accelerates the drying process**

- The air is sucked upwards through the fan (protected by a stainless steel sheet). Air passes over the temperature sensor and the heating elements. The heated air is distributed in the top of the oven through the whole width and then re-circulated by the fan.
- An adjustable fan speed device can be installed as an option.

►► **An incredible heating power**

- The rise in temperature is very fast.
- Heating is ensured by sheathed stainless steel heating elements, ideally positioned in the air flow and controlled by SSRs.

►► **A BETTER INSULATION**

- No contact between inner and outer casing. The thick glasswool sheet insulation.
- excellent thermal stability,
- low heat dissipation,
- reduced energy costs,
- low surface temperatures.

►► High Temperature Oven

►► A robust triple wall construction

- The inner casing is made of stainless steel, resistant to corrosion.
- The outer casing is made of electro-galvanized steel coated with white and Sky blue epoxy paint.
- A passage centered on the wall allows the passage of cables.
- Ovens are delivered with stainless steel heavy duty shelves.
- All of the controls are located on the top of the oven.
- Movable castors wheel for easy to move.

►► Thick Insulation

- The inner casing is separated from the outside box by an optimal insulation which reduces heat losses and allows a better quality of heating.
- The walls and the door are insulated with 100 mm of glass wool sheet.
 - a rapid rise in temperature,
 - optimal functioning,
 - low surface temperatures,
 - excellent thermal stability,
 - reduced power consumption.
- The insulation is improved by the installation of a special seal allowing the seal between the door and the body of the oven.

►► A powerful vertical airflow which accelerates the drying process

- The air is sucked upwards through the fan (protected by a stainless steel sheet). Air passes over the temperature sensor and the heating elements. The heated air is distributed in the top of the oven & distributed the air by both the side walls equally and then re-circulated by the fan.
- Measurement by PT100 probe. Electronic PID temperature controller.
- Color display, excellent visibility of temperatures.

►► Display of set point and measured temperature

- PID adjustment with auto tuning facilities.
- 0.1°C temperature resolution
- display (in percentage) of the heating power used
- Possibility of making 1 program with 8 steps:
- 8 programmable temperature ramps (°C/min) and
- 8 heating timer (max 9999min)
- delayed start
- pause or stop the program
- end of cycle buzzer

►► An incredible heating power

- The rise in temperature is very fast.
- Heating is ensured by sheathed stainless steel heating elements, ideally positioned in the air flow and controlled by theristors.

►► Alarms & safety

- High/low temperature deviation alarm.
- High temperature thermostat cutt-off in case of controller fail.
- Heating indication in front of control pannel.
- MCB safeguard in case of failure of heater.

►► Selection guide

High Temperature Oven						
Temperature range -Ambient +10°C ~ 400°C						
Accuracy ±0.5°C						
Uniformity ±2.0°C						
WT17HTOV	500L	650x650x1200	950x855x1690	4	4 Kw / 230V,1Ph,50/60Hz	1095x990x1880

►► Accessories (Optional)

Data Recorder

21 CFR part 11 compliance desktop based communication software for data storage capacity upto 1Lac storage capacity.



8 point temp scanner

4 point temp scanner



Observation window

250x250 / 300x500 mm observation window with illumination light

loading Trolley

Differents sizes of trolleys depend upon the size of the chamber.
kindly confirm the sizes before ordering of the equipments.



HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

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Our Products & Technologies



UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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