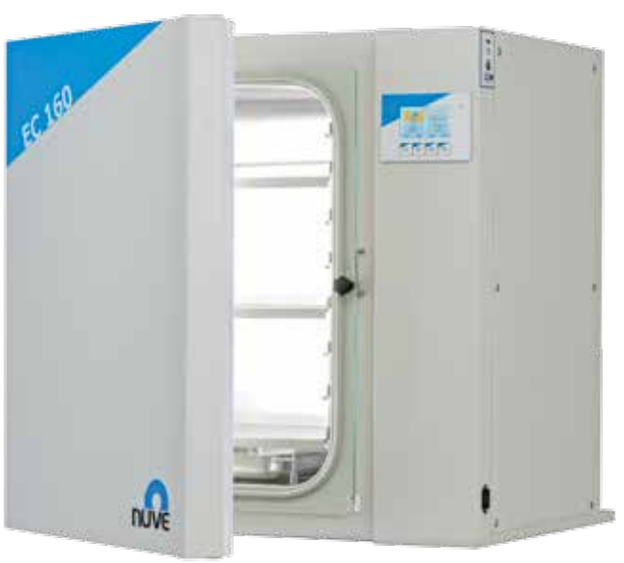
nüve®

laboratory & sterilization technology

CO_2 INCUBATOR

EC 160
CO_2 INCUBATOR
POWERED BY N-Smart™

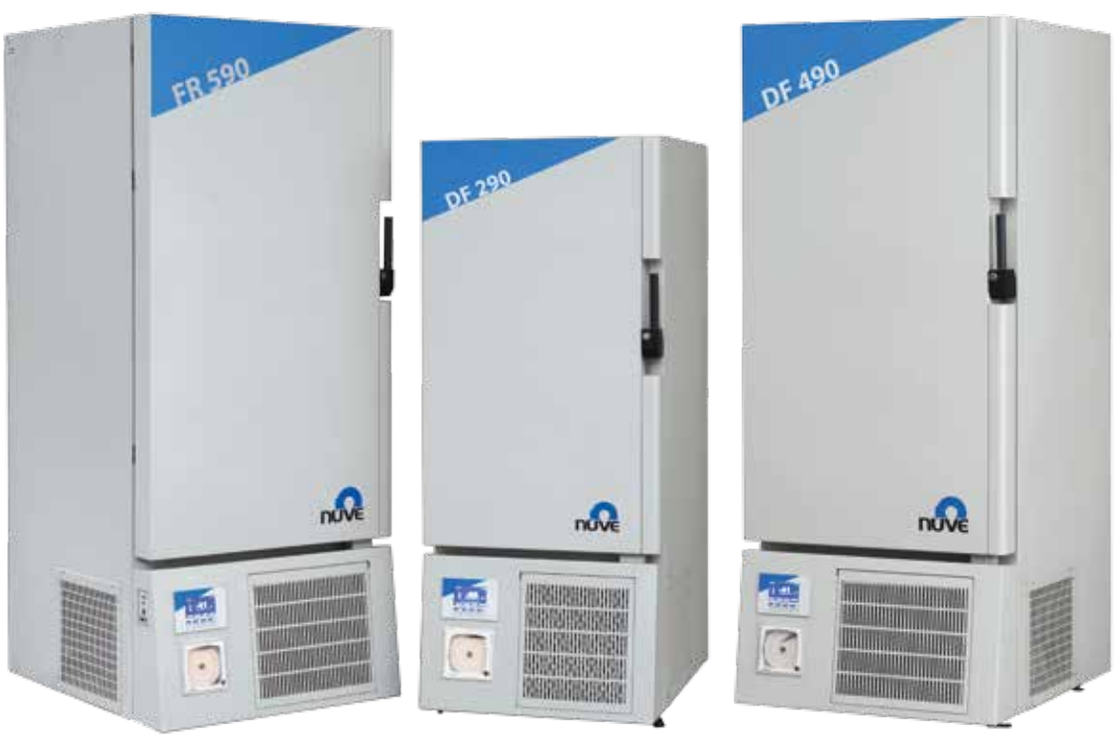
- Chamber Volume : 160 liters
- Temperature range: Ambient Temperature +7°C to 50°C
- Temperature variation / fluctuation: ± 0,3°C / ± 0,1°C at 37°C
- Programmable temperature alarm range: ± 0,5°C to 5°C
- Air jacketed heating system
- RaPIDcell™ fast temperature recovery without overshoot
- CO_2 Range: 0 to 20 % CO_2
- CO_2 Variation / Fluctuation: ± 0,3 % / ± 0,1%
- Programmable CO_2 alarm range: ± 0,5 % to 5 %
- Infra-Red CO_2 level control permitting frequent access
- N-Smart™ control system to optimize parameters
- Maximum information with highly visible 4,3" colourful LCD display
- Simultaneous display of set and actual values
- Seamless stainless steel chamber with rounded corners
- Clean chamber without any sensor inside
- NuveDis™ 90°C wet disinfection system
- Massive data storage with NuveTrack™ which stores the records up to ten years with one hour intervals as digitally and graphically
- 2 pcs. USB port for data storage and PC
- Ethernet port for remote access through internet
- Possibility of sending e-mails in case of any failure
- Optional NuveCloser™software to access the operating parameters, failure history, memory and other technical parameters
- Auto Zero for permanent accurate control
- 0,22 µm sterile filtration of CO_2, sampled gases and Auto-Zero reference air
- Typical 95 % RH to protect cultures against dehydration
- Audible and visual (text) alarms, remote alarm relay
- Remote alarm outlet
- Optional AlerText™ SMS alarm system for ultimate security
- Optional NuveWarn™ remote alarm system
- Built-in 2nd stage gas regulator



DF 290/490/590 ULTRA LOW TEMPERATURE FREEZERS FR 290/490/590 DEEP FREEZERS POWERED BY N-Smart™

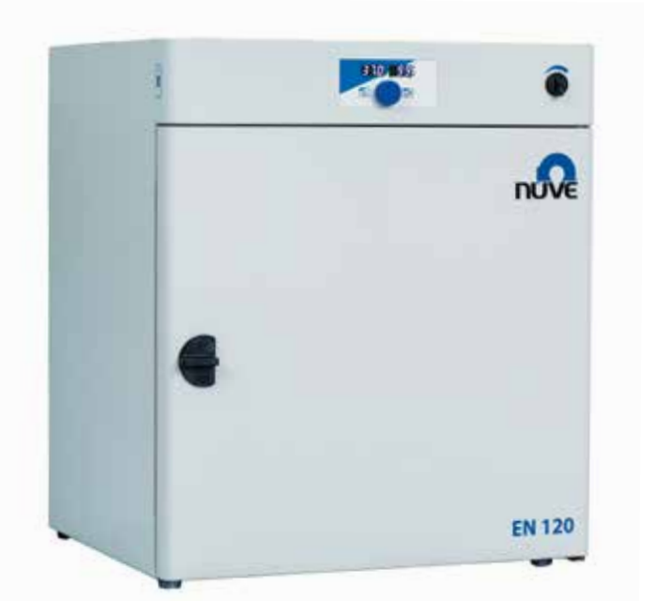
- DF Series: -86°C / FR Series : -41°C
- Three different sizes: 261, 461, 560 liters
- DirectFREEZE™ : Faster and homogenous freezing through the coils located inside the shelves
- Powerful and reliable N-Smart™ microprocessor control system
- Maximum information with highly visible 4,3" colourful LCD display
- Massive data storage with internal memory that stores the records up to ten years with one hour intervals as digitally and graphically
- 2 pcs. USB port for data storage and PC
- Ethernet port for remote access through internet
- Possibility of sending e-mails in case of any failure
- Optional NuveCloser™ software to access the operating parameters, failure history, memory and other technical parameters
- Four independent compartments with insulated doors for decreasing air entry
- Minimized air exchange on opening reduces ice build-up and protects samples
- Compartment dimensions match commonly used cryoboxes
- Washable air filter for simple maintenance and top performance
- Perfect air tightness with soft gasket
- Heated contact surface of gasket to virtually eliminate icing-up
- Chamber made of stainless steel for longer life and shelves made of aluminum for faster heat transfer

- Epoxy-polyester powder coated stainless steel outer body
- Foamed-in-place high density polyurethane insulation
- Door handle with key lock
- Key operated mains power switch to protect your samples
- Audible and visual alarm system
- Alarm system fed by a permanently recharged battery
- Display of actual temperature even at power failure
- Standard remote and central alarm ports
- Optional battery-operated 7- day chart recorder
- Optional AlerText™ SMS alarm system for ultimate security
- Optional NuveWarn™ remote alarm system
- Optional CO_2 back-up system to extend protection in case of failure (DF only)



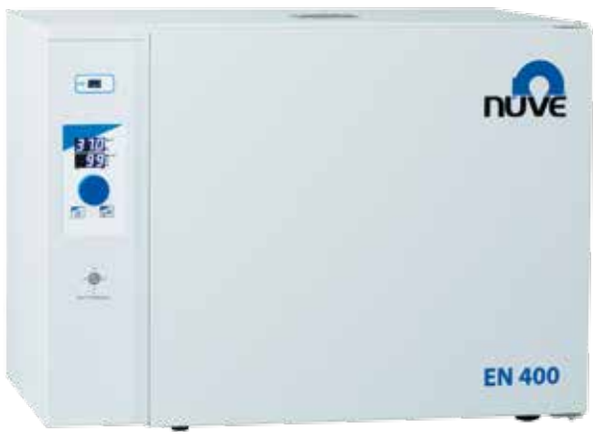
DEEP FREEZERS

EN 032/055/120 INCUBATORS POWERED BY N-Prime™



- Three different sizes: 32, 55 and 120 liters
- Temperature range: Ambient Temperature +5°C / 99,9°C
- Excellent incubation conditions for the applications in biology and microbiology laboratories such as medical and veterinary fields; research and quality control examinations in pharmaceutical, food and cosmetics industries and biotechnology
- N-Prime™ programmable PID microprocessor control system
- User friendly control panel including large bright LED displays for temperature and time
- Easy programming with one button, just turn and push
- Password protected menu to secure the operation
- Programmable alarm limits
- Data recording on memory stick by means of USB port up to 125 days
- Delayed start timer
- Stainless steel interior for easy cleaning and decontamination
- Air jacketed heating system and triple insulation for highly precise and constant temperatures
- Very homogeneous temperature distribution by natural air convection: Minimum turbulance and no cross contamination
- Frameless inner glass door for the observation of samples without any temperature drop
- Safety thermostat as standard
- Optional N-Smart™ control system

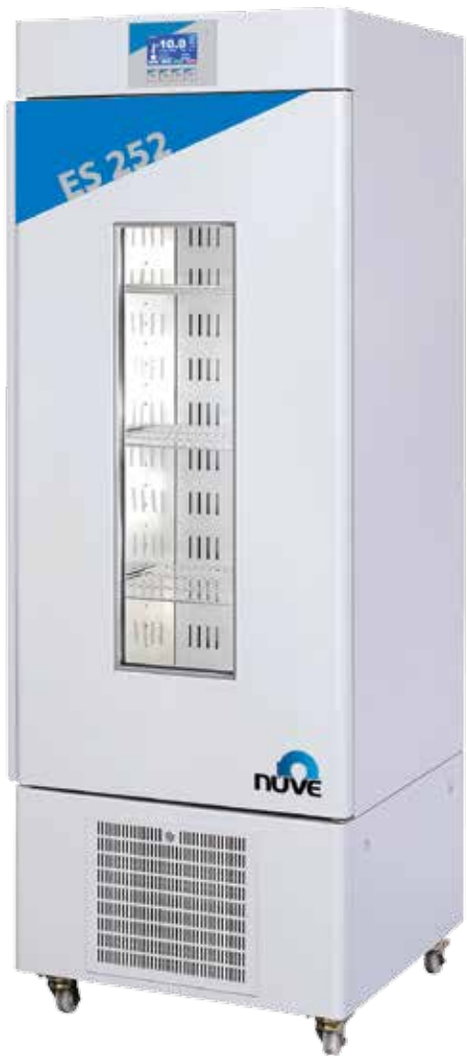
EN 300/400/500 INCUBATORS POWERED BY N-Prime™



- Three different sizes: 22, 48 and 120 liters
- Temperature range: Ambient Temperature +5°C / 80°C
- Excellent incubation conditions for the applications in biology and microbiology laboratories such as medical and veterinary fields; research and quality control examinations in pharmaceutical, food and cosmetics industries and biotechnology
- N-Prime™ programmable PID microprocessor control system
- User friendly control panel including large bright LED displays for temperature and time
- Easy programming with one button, just turn and push
- Password protected menu to secure the operation
- Programmable alarm limits
- Data recording on memory stick by means of USB port up to 125 days
- Delayed start timer
- Anodic-oxidated aluminum chamber for standard models; stainless steel chamber for "P" models
- Very homogeneous temperature distribution obtained by natural air convection for standard models and by forced air ventilation for "P" models
- Frameless inner glass door for the observation of samples without any temperature drop
- Safety thermostat as standard

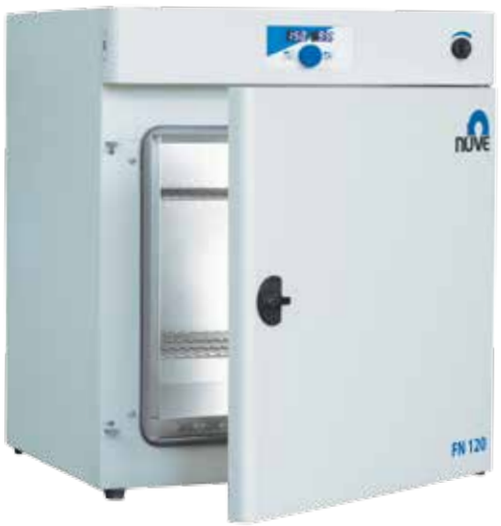
ES 120/252/600
COOLED INCUBATORS
POWERED BY N-Smart™

- Three different sizes: 153, 285, 630 liters
- Temperature range: -10°C / 60°C
- Ideal design for freezing, incubation, drying, different types of tests and long storage in the fields of biology, zoology, botany and the quality control and R&D laboratories in industry such as pharmaceuticals, food and cosmetics
- Powerful and reliable N-Smart™ microprocessor control system
- Maximum information with highly visible 4,3" colourful LCD display
- Massive data storage with internal memory that stores the records up to ten years with one hour intervals as digitally and graphically
- Programmable microprocessor control system
- 20 program memories with 20 steps
- Possibility of repeating each program up to 99 times
- Stainless steel chamber
- High density injected polyurethane insulation
- Powerful air circulation system for excellent temperature uniformity and stability even at low temperatures
- Automatic defrost system
- Large window on the door consisting of triple glass for perfect insulation for ES 120 and ES 252
- Interior lighting
- Optional NuveCom™ communication unit which includes 2 pcs. USB port for data storage and PC, ethernet port for remote access through internet and RS 232 outlet
- Optional NuveCloser™ software to access the operating parameters, failure history, memory and other technical parameters



COOLED INCUBATORS

FN 032/055/120
DRY HEAT STERILIZERS / OVENS
POWERED BY N-Prime™



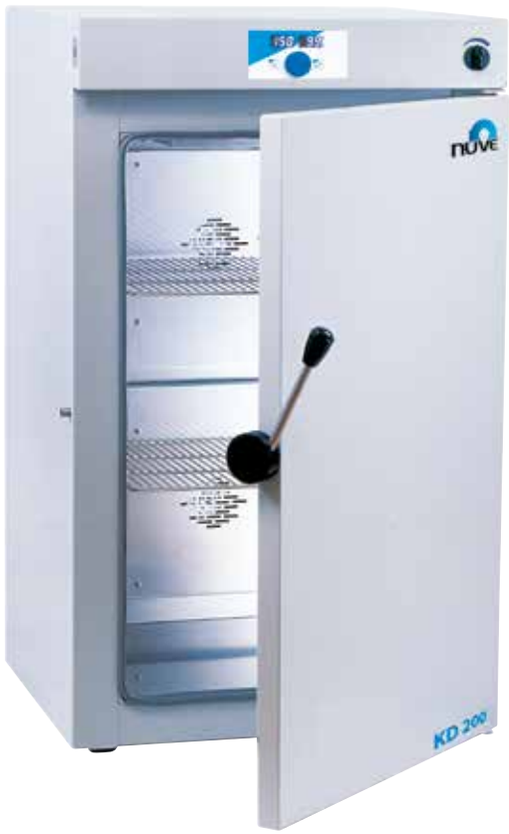
- Three different sizes: 32, 55 and 120 liters
- Temperature range: Ambient temperature +5°C / 250°C
- Designed for sterilization, drying and heating purposes
- N-Prime™ programmable PID microprocessor control system
- User friendly control panel including large bright LED displays for temperature and time
- Easy programming with one button, just turn and push
- Password protected menu to secure the operation
- Programmable alarm limits
- Data recording on memory stick by means of USB port up to 125 days
- Delayed start timer
- Stainless steel interior for easy cleaning and high resistance to most chemicals
- Excellent uniformity and stability of temperature by triple insulation and air jacketed heating system
- Natural air convection for homogeneous temperature distribution
- Minimal temperature loss by means of the door pressing firmly and tightly on the chamber gasket
- Outlet port for vapour exhaustion
- Safety thermostat as standard
- Optional N-Smart™ control system

FN 300/400/500
DRY HEAT STERILIZERS / OVENS
POWERED BY N-Prime™

- Three different sizes: 22, 48 and 120 liters
- Temperature range: Ambient Temperature +5°C / 250°C
- Designed for sterilization, drying and heating purposes
- N-Prime™ programmable PID microprocessor control system
- User friendly control panel including large bright LED displays for temperature and time
- Easy programming with one button, just turn and push
- Password protected menu to secure the operation
- Programmable alarm limits
- Data recording on memory stick by means of USB port up to 125 days
- Delayed start timer
- Excellent uniformity and stability of temperature by high grade of insulation and microprocessor control system
- Anodic-oxidated aluminum chamber for standard models; stainless steel chamber for "P" models
- Very homogeneous temperature distribution obtained by natural air convection for standard models and by forced air ventilation for "P" models
- Minimal temperature loss by means of the door pressing firmly and tightly against the chamber gasket
- Outlet port for vapour exhaustion
- Safety thermostat as standard

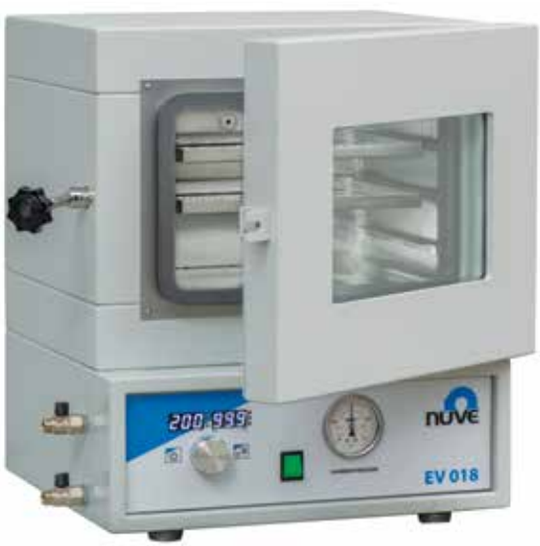
KD 200/400/700 OVENS POWERED BY N-Prime™

- Three different sizes: 200, 380, 770 liters
- Temperature range: 70°C / 250°C
- High volume for drying and heating purposes
- N-Prime™ programmable PID microprocessor control system
- User friendly control panel including large bright LED displays for temperature and time
- Easy programming with one button, just turn and push
- Password protected menu to secure the operation
- Programmable alarm limits
- Data recording on memory stick by means of USB port up to 125 days
- Delayed start timer
- Excellent uniformity and stability of temperature by high grade of insulation and microprocessor control system
- Stainless steel chamber
- Very homogeneous temperature distribution obtained by forced air ventilation
- Extraction fan
- Minimal temperature loss by means of the door pressing firmly and tightly against the chamber gasket
- Outlet port for vapour exhaustion
- Safety thermostat as standard



EV 018 VACUUM OVEN POWERED BY N-Prime™

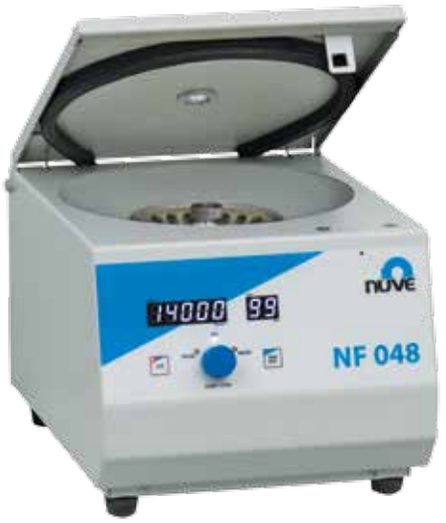
- Useful volume: 15 liters
- Temperature range: 70°C / 200°C
- Ideal design for gentle drying of heat labile samples and experiments under inert gasses
- N-Prime™ programmable PID microprocessor control system
- User friendly control panel including large bright LED displays for temperature and time
- Easy programming with one button, just turn and push
- Password protected menu to secure the operation
- Programmable alarm limits
- Data recording on memory stick by means of USB port up to 125 days
- Stainless steel chamber with high resistance to corrosion, most of the chemical vapours and contamination
- One piece gasket made of silicon, simply fitted directly on the oven body
- Vacuum gauge on the control panel
- Two ball valves for vacuum connection and adding dry air or inert gasses
- Heat-treated glass window on the door
- Safety thermostat as standard



NF 024
MICROLITRE CENTRIFUGE

- Maximum capacity: 12x1,5/2 ml
- Maximum speed: 15.000 rpm
- Maximum RCF: 15.596xg
- Programmable microprocessor control system
- Large back-lit LCD display for speed, time and RCF (xg)
- 30 seconds - 999 minutes timer with hold position
- ABS plastic body and lid reinforced by metal enclosure
- Pulse key
- Imbalance detection sytem
- Quiet, direct drive DC motor
- Motor over heating protection
- Ventilation system for minimum temperature increase in the chamber
- Lid lock
- Delivered with 12x1,5/2 ml. angle rotor and adaptors for 200 µl and 400/500 µl.

NF 048
MICROLITRE AND HAEMATOCRIT CENTRIFUGE POWERED BY N-Prime™

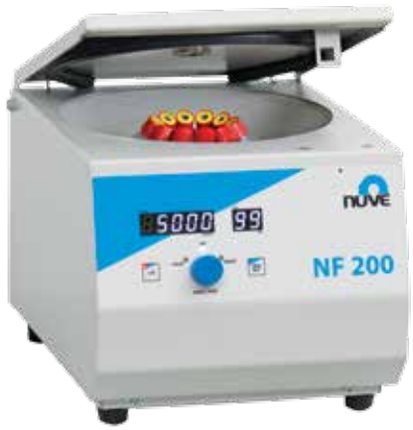


	Angle Rotor	Haematocrit Rotor
• Maximum capacity :	24x1,5/2 ml	24xcapillary tubes
• Maximum speed :	14.000 rpm	12.000 rpm
• Maximum RCF :	18.188xg	14.811xg

- N-Prime™ programmable microprocessor control system
- Easy programming with one button, just turn and push
- Highly visible dual bright LED display for time and speed / RCF(xg)
- 1 - 99 minutes timer with hold position
- Epoxy-polyester powder coated steel chamber
- Pulse key
- Quiet, direct drive, brushless induction motor
- Motor over heating protection
- Ventilation system for minimum temperature increase in the chamber
- Lid lock
- Choice of 24x1,5/2 ml Angle Rotor and 24x capillary tube haematocrit rotor
- Adaptors for 500/800 µl, 200 µl PCR, 250/400/700 µl

NF 200
BENCH TOP CENTRIFUGE
POWERED BY N-Prime™

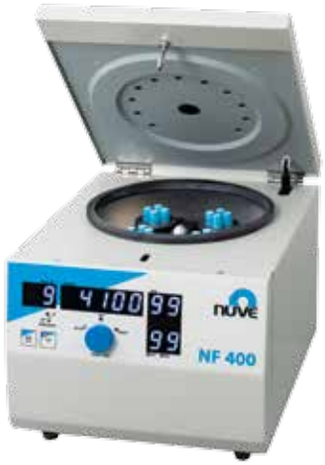
- Maximum capacity : 12x15 ml
- Maximum speed : 5.000 rpm
- Maximum RCF : 2.822xg
- N-Prime™ programmable microprocessor control system
- Easy programming with one button, just turn and push
- Highly visible dual bright LED display for time and speed / RCF(xg)
- 1 - 99 minutes timer with hold position
- Epoxy-polyester powder coated steel chamber
- Pulse key
- Quiet, direct drive, brushless induction motor
- Motor over heating protection
- Ventilation system for minimum temperature increase in the chamber
- Lid lock
- Delivered with 12x15 ml Angle rotor made of polypropylene
- Adaptors for 1,5/2 ml, 5 ml and 7 ml tubes

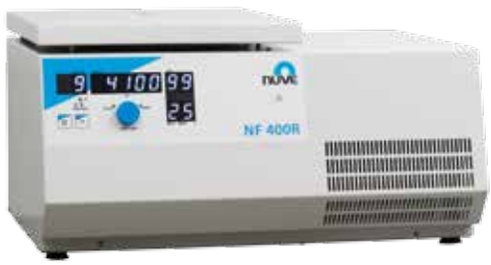


NF 400-NF 400R
MEDIUM CAPACITY
BENCH TOP CENTRIFUGES
POWERED BY N-Prime™

	Angle Rotor	Swing-out Rotors	
• Maximum Capacity :	30x15ml	4x100ml	2xM.Plate
• Maximum Speed :	4.100 rpm	4.100 rpm	4.100 rpm
• Maximum RCF :	2.443xg	2.819xg	2.011xg

- N-Prime™ programmable microprocessor control system
- Easy programming with one button, just turn and push
- Ten program memories
- Highly visible bright LED displays for programmable parameters
- LED display for temperature for NF 400R
- Programmable relative centrifugal force (RCF)
- Electronic imbalance detection system
- Stainless steel chamber
- 1 - 99 minutes timer with hold position
- 10 acceleration / 10 braking rates
- Lid lock
- Powerful, quiet and maintenance-free induction motor
- Minimum temperature increase in the chamber by means of ventilation system for NF 400
- Temperature control between -9°C / +40°C for NF 400R
- Motor overheating protection
- Wide range of accessories to accommodate most manufacturers' tubes and microtitre plates
- Totally CFC free refrigerant fluid and insulation material for NF 400R





NF 800 – NF 800R
NF 1200 – NF 1200R
MULTI PURPOSE BENCH TOP CENTRIFUGES POWERED BY N-Prime™

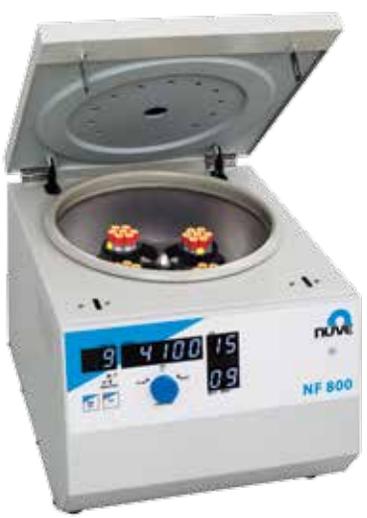
- N-Prime™ programmable microprocessor control system
- Easy programming with one button, just turn and push
- Programmable parameters: Program no, speed / RCF, time, acceleration and breaking rates and temperature for NF 800R and NF 1200R
- Four large bright LED displays for programmable parameters
- 1-99 minutes with hold position
- Ten program memories
- 10 acceleration / 10 braking rates
- Stainless steel chamber
- Electronic imbalance detection system
- Wide range of accessories to accommodate most manufacturers' tubes and microtitre plates
- Powerful, quite, maintenance-free induction motor
- Rotor overspeed protection
- Motor overheating protection
- Minimum temperature increase in the chamber by means of ventilation system for NF 800 and NF 1200
- Temperature control between -9°C / +40°C for NF 800R and NF 1200R
- Totally CFC free refrigerant fluid and insulation material for NF 800R and NF 1200R

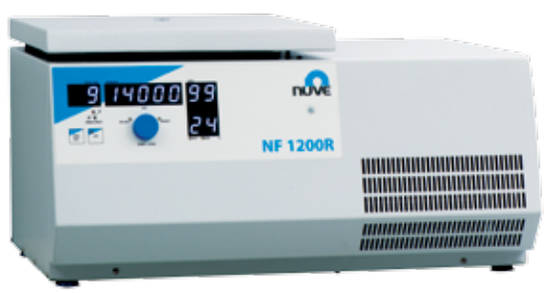
NF 800 – NF 800R

	Swing-out Rotors		Angle Rotors		
Maximum capacity:	4x200 ml	2x3 M.Plate	6x50 ml	30x15 ml	24x1,5/2 ml
Maximum speed:	4.100 rpm	4.100 rpm	9.000 rpm	4.100 rpm	14.000 rpm
Maximum RCF:	3.045xg	2.349xg	9.418xg	3.007xg	18.405xg

NF 1200 – NF 1200R

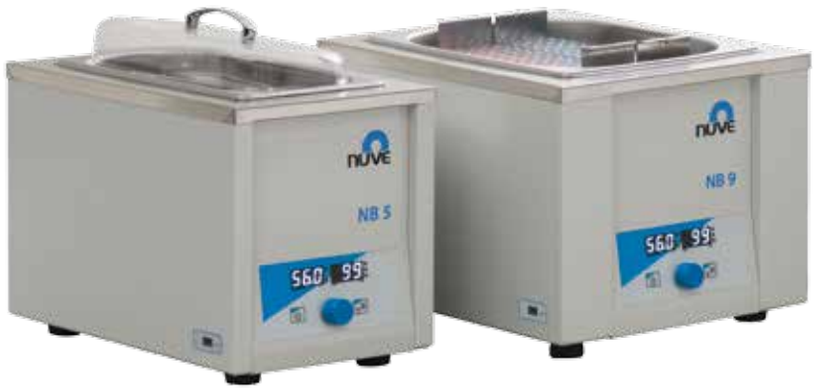
	Swing-out Rotors		Angle Rotors			
Maximum capacity:	4x280 ml	2x3M.Plate	6x100 ml	10x10 ml	30x1,5/2 ml	24x1,5/2 ml
Maximum speed:	4.100 rpm	4.100 rpm	9.000 rpm	12.000 rpm	13.500 rpm	14.000 rpm
Maximum RCF:	3.082xg	2.349xg	8.965xg	14.167xg	20.170xg	18.405xg





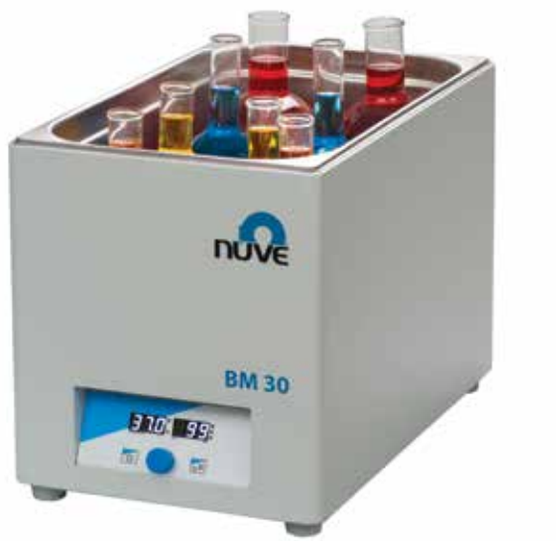
NB 5/9/20
UNSTIRRED WATER BATHS
POWERED BY N-Prime™

- Three different useful volumes : 4, 7 and 15 liters
- Temperature range: Ambient temperature + 5°C / 99,9°C
- Designed for many general and special applications in microbiology, research and industrial laboratories
- Excellent temperature control of liquid by N-Prime™ programmable PID microprocessor control system
- User friendly control panel including large bright LED displays for temperature and time
- Easy programming with one button, just turn and push
- Password protected menu to secure the operation
- Programmable alarm limits
- Data recording on memory stick by means of USB port up to 125 days
- Delayed start timer
- Seamless stainless steel tank for easy cleaning
- Safety thermostat to prevent running without water
- Excellent temperature uniformity and stability by triple insulation
- Footprint almost equal to the working area to save bench space

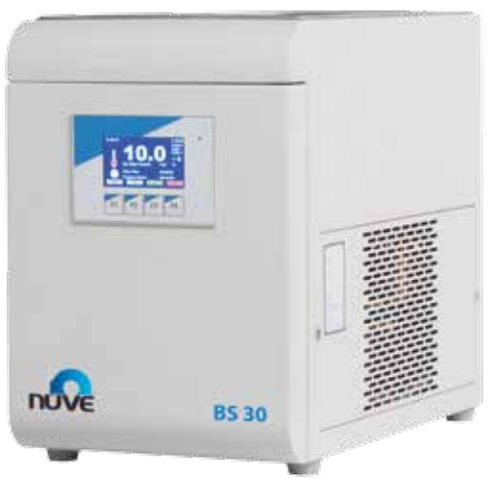


BM 15/30
CIRCULATED WATER BATHS
POWERED BY N-Prime™

- Two different tank volumes: 15 and 30 litres
- Temperature range: Ambient Temperature +5°C / 99,9°C
- Designed for many general and special applications in microbiology, research and industrial laboratories
- Excellent temperature control of liquid for uniform and stable temperatures
- Powerful internal circulation pump not occupying the tank space
- N-Prime™ programmable PID microprocessor control system
- User friendly control panel including large bright LED displays for temperature and time
- Easy programming with one button, just turn and push
- Password protected menu to secure the operation
- Programmable alarm limits
- Data recording on memory stick by means of USB port up to 125 days
- Delayed start timer
- Seamless stainless steel tank for easy cleaning
- Excellent temperature uniformity and stability by triple insulation
- Safety thermostat to prevent running without water
- Various types of racks and shelves for tubes and flasks

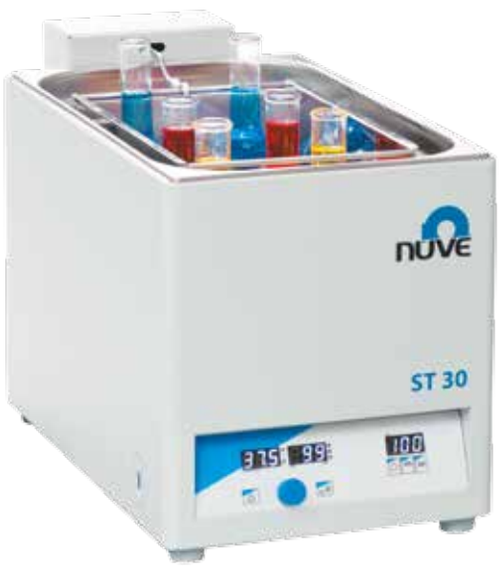


BS 30
REFRIGERATED
WATER BATH
POWERED BY N-Smart™



- 17 liters useful volume
- Temperature range 0°C / 80°C
- Designed for bacteria and cell culture, coagulation tests, determination of coliforms, enzyme reactions and for many other applications in research and industrial laboratories
- Powerful and reliable N-Smart™ microprocessor control system
- Maximum information with highly visible 4,3" colourful LCD display
- Massive data storage with internal memory that stores the records up to ten years with one hour intervals as digitally and graphically
- 20 program memories with 20 steps
- Possibility of repeating each program up to 99 times
- Excellent temperature control of liquid for uniform and stable temperatures
- Powerful internal circulation pump
- Delayed start timer
- Seamless stainless steel tank for easy cleaning
- Optional NuveCom™ communication unit which includes 2 pcs. USB port for data storage and PC. Ethernet port for remote access through internet and RS 232 outlet
- Optional NuveCloser™ software to access the operating parameters, failure history, memory and other technical parameters

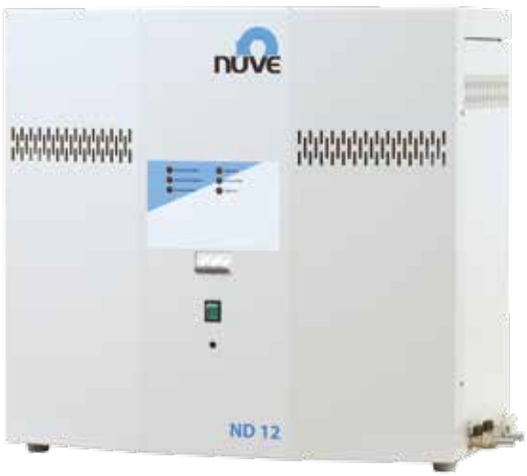
ST 30
SHAKING
WATER BATH
POWERED BY N-Prime™



- Tank volume: 30 liters
- Temperature range: Ambient temperature +5°C / 99,9°C
- Shaking speed between 20 - 250 rpm
- N-Prime™ programmable microprocessor control system for shaking speed, temperature and time
- User friendly control panel including large bright LED displays for temperature and time
- Easy programming with one button, just turn and push
- Password protected menu to secure the operation
- Programmable alarm limits
- Data recording on memory stick by means of USB port up to 125 days
- Delayed start timer
- Excellent temperature control of liquid for uniform and stable temperatures
- Seamless and stainless steel tank
- Heater placed outside of the tank
- Triple insulation for homogeneous and stable temperature
- User friendly control panel
- Safety thermostat to prevent running without water
- Possibility to use different types of tubes, flasks or erlenmeyers with wide range of accessories

ND 4/8/12
WATER DISTILLERS

- Capacity:
  ND 4: 4 lt/hr, ND 8: 8 lt/hr, ND 12: 12 lt/hr
- Distilled water storage tank capacity:
  ND 4: 8 liters, ND 8: 16 liters, ND 12: 24 liters
- New design with distilled water storage tank
- Fully automatic system with microprocessor control system
- Stainless steel boiler and condenser
- Stainless steel heaters
- Energy saving design by the distillation of heated cooling water
- Heaters protected against running without water
- Warning leds for: High water level, insufficient water, heater failure, half full storage tank, full storage tank
- Siliphos cartridge filter to decrease calcification on the heaters
- Suitable for bench top use and wall mounting



NS 103
ECONOMICAL
WATER DISTILLER

- Distilled water capacity: 3,5 lt/hr
- Stainless steel heater
- All surfaces in contact with water and steam made of stainless material
- Manometer for inlet water pressure
- Protection against empty boiling tank and water shortage
- High efficiency even at low inlet water pressure
- Wall mounted type, saving space in the laboratories
- Easy and simple operation

MEDICAL REFRIGERATORS

MD 72/120 /294/504 MEDICAL REFRIGERATORS POWERED BY N-Smart™

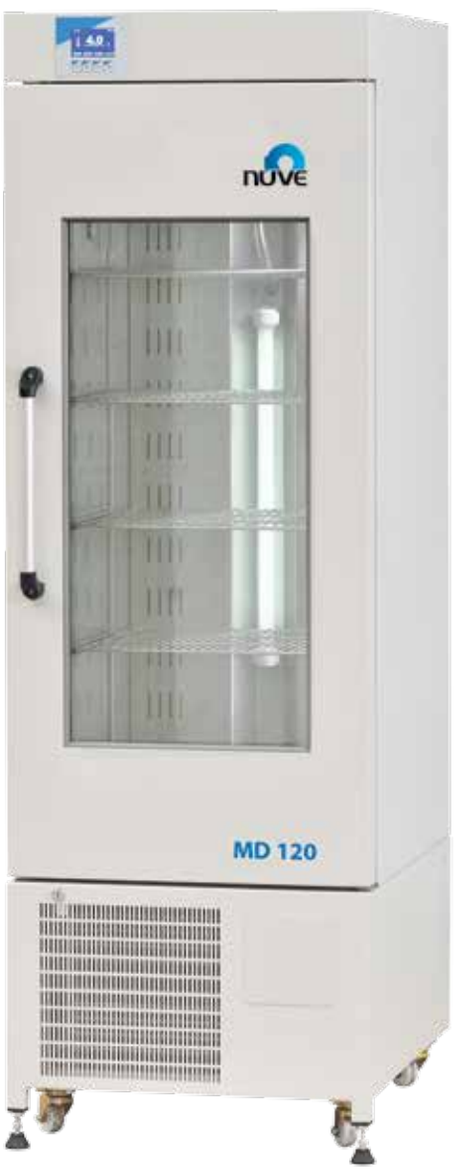
Capacity:

MD 72: 200 liters

MD 120: 306 litres

MD 294: 630 liters

MD 504: 1090 liters



- Advanced technology to store drugs, vaccines, pharmaceutical and medical products
- Powerful and reliable N-Smart™ microprocessor control system
- Maximum information with highly visible 4,3" colourful LCD display
- Massive data storage with internal memory that stores the records up to ten years with one hour intervals as digitally and graphically
- 2 pcs. USB port for data storage and PC
- Ethernet port for remote access through internet
- Possibility of sending e-mails in case of any failure
- Optional NuveCloser™ software to access the operating parameters, failure history, memory and other technical parameters
- Stainless steel chamber
- High density injected polyurethane insulation
- Door window with triple glass for perfect insulation
- Magnetic gasket on four sides of the door and door key lock
- Chamber illumination with switch control
- Powerful air circulation system to maintain temperature uniformity and stability and for quick recovery time
- Fully automatic defrost system to maintain cooling coil efficiency
- Mains power switch key with lock
- Temperature range: 0°C / +10°C
- Temperature display resolution: 0,1°C
- Alarm system for high and low temperature, power failure, temperature sensor failure and open door
- Re-chargable battery to feed alarm system
- Remote and central alarm outlet as standart
- Optional battery operated 7-day chart recorder with high resolution
- Optional AlerText™ SMS alarm system for ultimate security
- Optional NuveWarn™ remote alarm system

KN 72/120/294/504 BLOOD BANK REFRIGERATORS POWERED BY N-Smart™

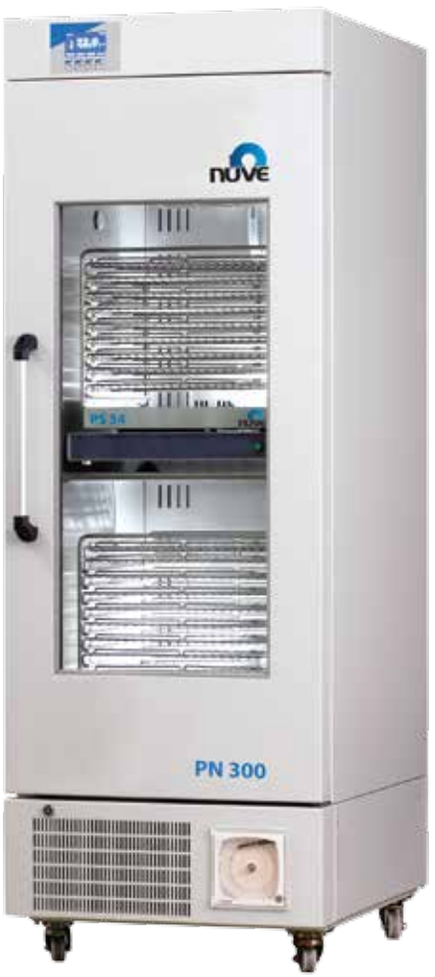
Capacity:
KN 72 : 200 liters, 72 blood bags
KN 120 : 306 liters, 120 blood bags
KN 294 : 630 liters, 294 blood bags
KN 504 : 1090 liters, 504 blood bags

- Temperature range: 0°C / +10°C
- Advanced technology to store blood and blood components
- Powerful and reliable N-Smart™ microprocessor control system
- Maximum information with highly visible 4,3" colourful LCD display
- Massive data storage with internal memory that stores the records up to ten years with one hour intervals as digitally and graphically
- 2 pcs. USB port for data storage and PC
- Ethernet port for remote access through internet
- Possibility of sending e-mails in case of any failure
- Optional NuveCloser™ software to access the operating parameters, failure history, memory and other technical parameters
- Stainless steel chamber
- High density injected polyurethane insulation
- Door window with triple glass for perfect insulation
- Magnetic gasket on four sides of the door and door key lock
- Chamber illumination with on/off switch control
- Easily drawn stainless steel drawers with plexiglass cover on the front
- Separators inside the drawers to hold the blood bags in an angled position for easy label reading
- Powerful air circulation system to maintain temperature uniformity and stability and for quick recovery time
- Fully automatic defrost system to maintain cooling coil efficiency
- Mains power switch key with lock
- Alarm system for high and low temperature, power failure, temperature sensor failure and open door
- Re- chargable battery to feed alarm system
- Remote and central alarm outlets as standard
- Temperature measurement from a liquid which has similar thermal specifications with blood
- Optional battery operated 7-day chart recorder with high resolution
- Optional AlerText™ SMS alarm system for ultimate security
- Optional NuveWarn™ remote alarm system

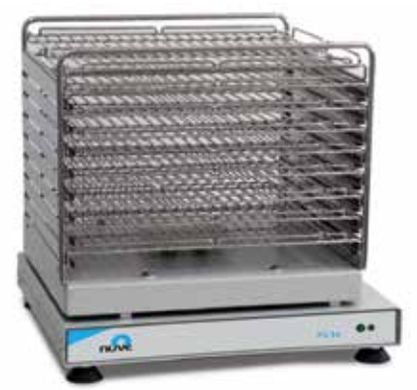
BLOOD BANK REFRIGERATORS

PLATELET INCUBATORS

PN 150/300
PLATELET INCUBATORS
POWERED BY N-Smart™



- PN 150 : Chamber Volume : 150 liters / includes 1 pc. PS 54 Platelet Agitator
- PN 300 : Chamber Volume : 340 liters / includes 2 pcs. PS 54 Platelet Agitator
- Temperature range: +20°C / +35°C
- Powerful and reliable N-Smart™ microprocessor control system
- Maximum information with highly visible 4,3" colourful LCD display
- Massive data storage with internal memory that stores the records up to ten years with one hour intervals as digitally and graphically
- 2 pcs. USB port for data storage and PC
- Ethernet port for remote access through internet
- Possibility of sending e-mails in case of any failure
- Optional NuveCloser™ software to access the operating parameters, failure history, memory and other technical parameters
- Stainless steel chamber
- Convenient observation of platelet bags with interior illumination and large window
- High density injected polyurethane insulation
- Perfectly insulated triple glass window and stainless steel frame
- Antifogging inner glass for avoiding condensation and outer glass blocking UV light
- Prevention of air leakage from the chamber and ambient ingress with magnetic gasket
- Protection against inadvertent and unauthorized access by using a key lock
- Excellent temperature uniformity and stability with powerful air circulation system
- Platelet protection by quick recovery time after door openings
- Standard remote and central alarm ports
- Power switch with key lock to prevent the platatet incubators from unauthorized use
- Audible and visual alarm system
- Alarm system fed by automatically re-chargable battery
- Display of actual temperature even at power failure
- Remote and central alarm outlet as standard
- Optional battery operated 7-day chart recorder with high resolution
- Optional AlerText™ SMS alarm system for ultimate security
- Optional NuveWarn™ remote alarm system



PS 54 PLATELET AGITATOR

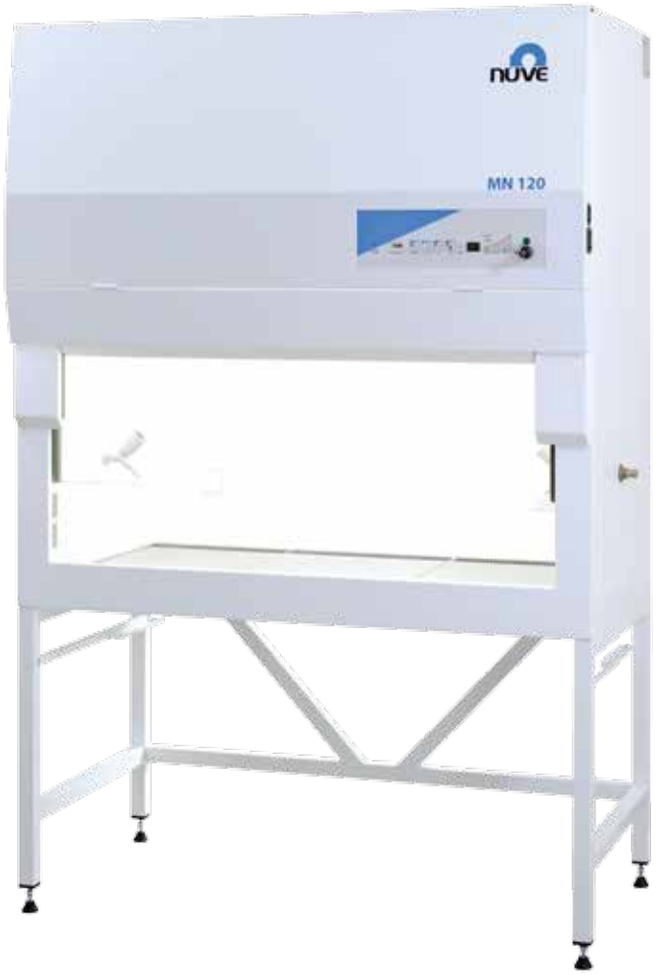
- Capacity: 54 pcs platelet bags
- Number of shelves: 9
- Shaking speed: 60 strokes / min
- Specially designed for platelet bags
- Low noise operation
- Shelves made of stainless steel
- Maximum temperature homogeneity with mesh type shelves for air circulation
- Easy access to platelet bags on pull-out shelves
- Ergonomic shelf design
- Audible alarm if motion is not detected

MN 090/120 CLASS II MICROBIOLOGICAL SAFETY CABINETS

- Two models with different working table widths:

MN 090: 89 cm / MN 120: 119 cm

- First class protection for operator, environment and product
- Microprocessor control system with digital display for air flow speed
- Two HEPA filters with 99,995 % efficiency for particles ≥ 0,3 µm.
- Automatic speed compensation system against clogged filter
- Recirculated HEPA filtered air to prolong the lifetime of HEPA filters
- Mains power switch with key lock
- Alarms for: Power failure, control system failure, open window, low and high air flow speed, clogged filters
- Perfect air tightness of window seal by means of gas spring assisted window
- Comfort of usage with very quiet blower and high light intensity
- Smooth chamber walls and rounded corners without soldering for easy cleaning and decontamination
- Stainless steel and removable 3 pcs. work table
- DOP test inlet, elapsed time counter and 2 pcs. of power socket as standard
- EN 12469 Certificate for MN 120 (TÜV GS Certified)



MICROBIOLOGICAL SAFETY CABINETS

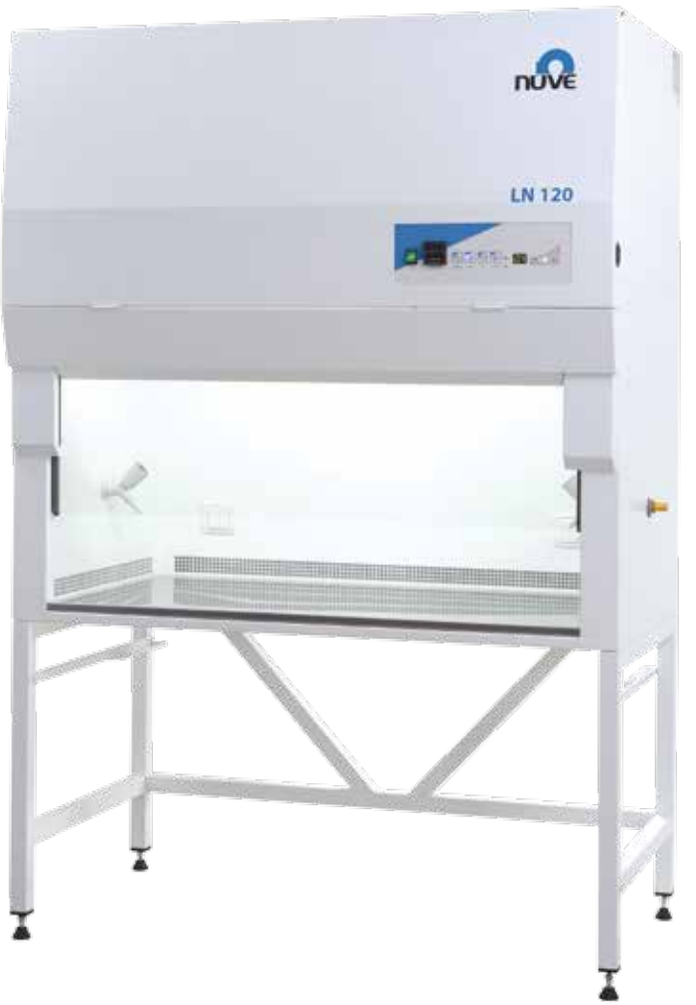
LAMINAR AIR FLOW CABINETS

LN 090/120 LAMINAR AIR FLOW CABINETS

- Two models with different working table widths:

LN 090: 89 cm LN 120: 119 cm

- Designed for the applications with non-hazardous materials in particle free environment for complete product protection
- Single piece working table made of stainless steel for easy cleaning and decontamination
- Pre-filter with 85 % efficiency for particles ≥ 0,5 µm ; HEPA filter with 99,995 % efficiency for particles ≥ 0,3 µm
- Microprocessor control system with digital display for air flow speed
- Automatic speed compensation system against clogged filter
- Audible and visible alarm for lower or higher airflow speed
- Recirculated HEPA filtered air to prolong the lifetime of pre and HEPA filters
- High light intensity and low noise level
- Elapsed time counter and 2 pcs. of power socket as standard
- DOP test inlet



OT 18B/23B
OT 23VS/32VS
B & S CLASS BENCH TOP STEAM STERILIZERS POWERED BY N-Smart™

Chamber Capacity:
OT 18B : 18 liters
OT 23B, OT 23VS : 23 liters
OT 32VS : 32 liters

- Conforms to the requirements of EN 13060+A2 standard.
- Type of Sterilization Loads:

B Models: All wrapped, un-wrapped, solid, hollow load products Type A* and porous products

VS models: Non-wrapped solid products, porous products, small porous items, hollow load products Type B*, single wrapped products, multiple-layer wrapped products

- Sterilization programs:

B Models: 5 preset programs

Universal, quick unwrapped material, sensitive material, prion, flash

VS Models: 5 preset programs

Quick, universal, prion, sensitive, wrapped

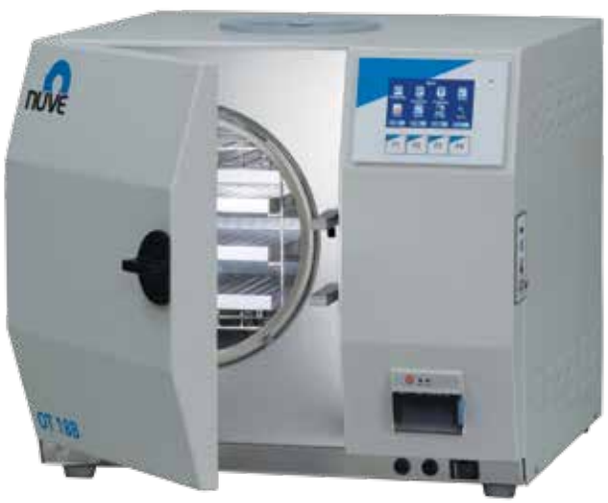
- 2 free programs and 1 drying program
- Test Programs:

B models: Bowie & Dick / Helix Test and Vacuum Test

VS models: Bowie & Dick and Vacuum Test

- Powerful and reliable N-Smart™ microprocessor control system
- Operating parameters can be tracked graphically against time
- Massive data storage with internal memory which stores the records of last 500 cycles in detail and 29.500 cycles as summary
- Memory for the last 100 failures
- USB port to record the operated cycles in the memory to a memory stick
- Ethernet port for remote access through internet by means of optional NuveCloser™ software
- Optional panel type printer to keep the records of the sterilization cycle
- Password protected control system, service and calibration menu
- Lid safety system
- Colour of the display changes to red in case of any alarm condition along with an audible alarm
- Reminder for gasket and filter replacement
- Remote failure diagnostics by means of NuveCloser™ software
- Sending e-mails up to five e-mail addresses with the details of failure
- Optional AlerText™ SMS alarm system for ultimate security
- Safety valve against over pressure
- HEPA filter at air intake line
- Certified chamber according to 2014/68/EU
- Seamless chamber for 18 and 23 liters models
- Fractionated pre-vacuum system
- Process evaluation system
- Comprehensive self-diagnostic system

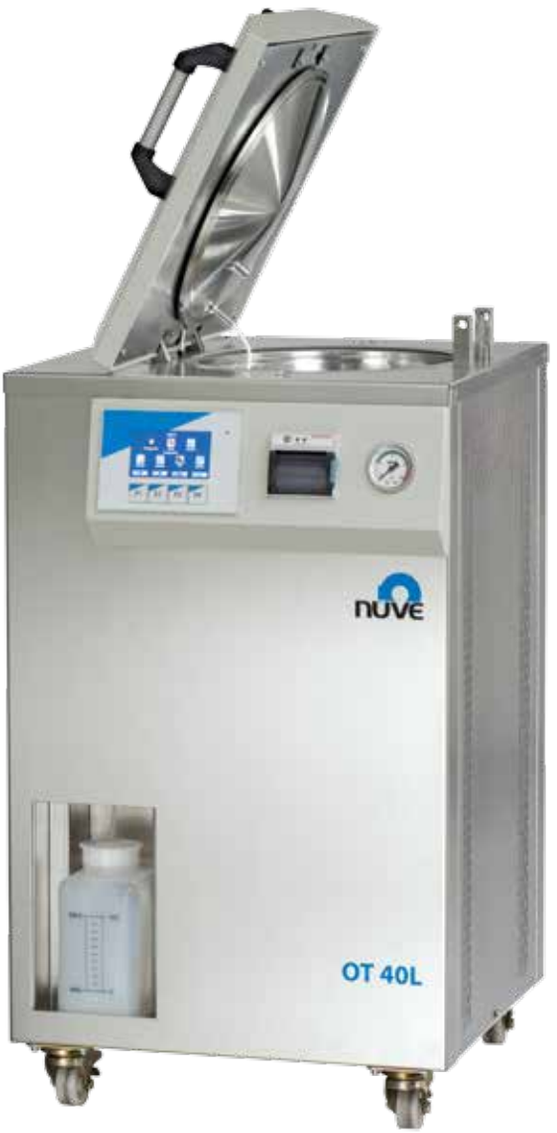
* As defined in EN 13060 +A2 Standard



STEAM STERILIZERS

STEAM STERILIZERS

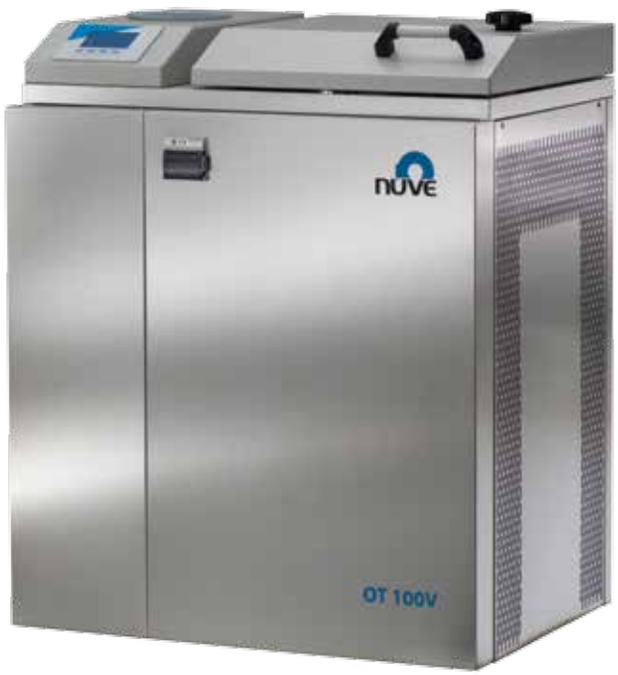
OT 40L / 90L LABORATORY STEAM STERILIZERS POWERED BY N-Smart™



- Chamber volume:
OT 40L: 40 liters, OT 90L: 90 liters
- Maximum capacity :
OT 40L: 2x5 liters, OT 90L: 3x8 liters
- Especially developed for the steam sterilization of liquid and culture media
- Sterilization temperature range : 105°C - 135°C
- Five pre-set programs which guarantee safe sterilization of the treated material
- Two free programs for liquid and solid and a special program for melting
- Flexible temperature sensor to measure the exact liquid temperature
- Cooling by forced air ventilation over chamber
- Fractionated exhaust system for sensitive materials such as glass
- Chamber made of 316L stainless steel
- Manometer for chamber pressure
- Validation port
- Safety precautions for lid opening depending on the type of the sterilized material
- Powerful and reliable N-Smart™ microprocessor control system
- Operating parameters can be tracked graphically against time
- Massive data storage with internal memory which stores the records of last 500 cycles in detail and 29.500 cycles as summary
- Memory for the last 100 failures
- Programmable delayed start function
- USB port to record the operated cycles in the memory to a memory stick
- Ethernet port for remote access through internet by means of optional NuveCloser™ software
- Optional panel type printer to keep the records of the sterilization cycle
- Password protected control system, service and calibration menu
- Lid safety system
- Colour of the display changes to red in case of any alarm condition along with an audible alarm
- Reminder for gasket and filter replacement
- Remote failure diagnostic by means of NuveCloser™ software
- Sending e-mails up to five e-mail addresses with the details of failure
- Optional AlerText™ SMS alarm system for ultimate security
- Safety valve against over pressure
- Certified chamber according to 2014/68/EU
- Comprehensive self-diagnostic system

OT 100V VERTICAL STEAM STERILIZER POWERED BY N-Smart™

- Chamber volume : 100 liters
- Sterilization temparature range: 105°C - 136°C
- Advanced technology for the sterilization of textile, wrapped or packed materials, glass and liquid
- Integrated steam generator for fast production of steam
- Maintenance-free diaphram type powerful vacuum pump
- Fractionated pre-vacuum to eliminate all air bubbles and achieve successful steam penetration
- Fractionated post-vacuum for efficient drying of the samples
- Sterilization quality matching the needs of EN 285 European Standard for Large Steam Sterilizers
- Pre-heated chamber to eliminate condensation on the chamber walls and speed up heating of the samples
- 5 preset programs: Universal, Solid rubber material, Prion, Quick unwrapped, Sensitive material
- 10 free programs and two special programs for liquid sterilization and drying
- Vacuum leakage and Bowie & Dick test programs
- Powerful and reliable N-Smart™ microprocessor control system
- Operating parameters can be tracked graphically against time
- Massive data storage with internal memory which stores the records of last 500 cycles in detail and 29.500 cycles as summary
- Memory for the last 100 failures
- USB port to record the operated cycles in the memory to a memory stick
- Ethernet port for remote access through internet by means of optional NuveCloser™ software
- Optional panel type printer to keep the records of the sterilization cycle
- Password protected control system, service and calibration menu
- Colour of the display changes to red in case of any alarm condition along with an audible alarm
- Reminder for gasket and filter replacement
- Remote failure diagnostics by means of NuveCloser™ software
- Sending e-mails up to five e-mail addresses with the details of failure
- Optional AlerText™ SMS alarm system for ultimate security
- Safety valve against over pressure
- HEPA filter at air intake line
- Certified chamber according to 2014/68/EU
- Process evaluation system
- Comprehensive self - diagnostic system for possible failures



STEAM STERILIZERS

OT 150/150D HORIZONTAL STEAM STERILIZERS POWERED BY N-Smart™

- Chamber volume : OT 150: 170 liters / OT 150D: 150 liters
- Sterilization temparatures: 121°C, 125°C, 134°C, 136°C
- With its double doors, OT 150D is the ideal solution for the small sterilization centers which are divided as clean and dirty areas
- Advanced technology for the sterilization of textile, wrapped or packed materials, glass and liquid
- Integrated steam generator for fast production of steam
- Maintenance-free diaphram type powerful vacuum pump
- Fractionated pre-vacuum to eliminate all air bubbles and achieve successful steam penetration
- Fractionated post-vacuum for efficient drying of the samples
- Air driven gasket by with internal compressor
- Pressure measurement of gasket
- Connected directly to water supply through siliphos filter
- Delivered with shelf carrier and shelves
- Sterilization quality matching the needs of EN 285 European Standard for Large Steam Sterilizers
- Pre-heated chamber to eliminate condensation on the chamber walls and speed up the heating of the samples
- 7 preset programs: Resistant textile, Wrapped porous, Prion, Quick, Unwrapped, Resistant rubber, Sensitive material, Gravity
- 10 free programs and two special programs for liquid sterilization and drying
- Vacuum leakage and Bowie & Dick test programs
- Powerful and reliable N-Smart™ microprocessor control system
- Operating parameters can be tracked graphically against time
- Massive data storage with internal memory which stores the records of last 500 cycles in detail and 29.500 cycles as summary
- Memory for the last 100 failures
- USB port to record the operated cycles in the memory to a memory stick
- Ethernet port for remote access through internet by means of optional NuveCloser™ software
- Optional panel type printer to keep the records of the sterilization cycle
- Password protected control system, service and calibration menu
- Colour of the display changes to red in case of any alarm condition along with an audible alarm
- Reminder for gasket and filter replacement
- Remote failure diagnostics by means of NuveCloser™ software
- Sending e-mails up to five e-mail addresses with the details of failure
- Optional AlerText™ SMS alarm system for ultimate security
- Safety valve against over pressure
- HEPA filter at air intake line
- Certified chamber according to 2014/68/EU
- Process evaluation system
- Comprehensive self - diagnostic system for possible failures

OT 300 / 430 / 570 / 710
OT 430D / 570D / 710D
STEAM STERILIZERS

- Conforms to the requirement of EN 285 +A2 European Standard for Large Steam Sterilizers
- Chamber and STU capacity :

OT 300: 300 liters, 4 pcs. STU

OT 430/OT 430D: 430 liters, 6 pcs. STU

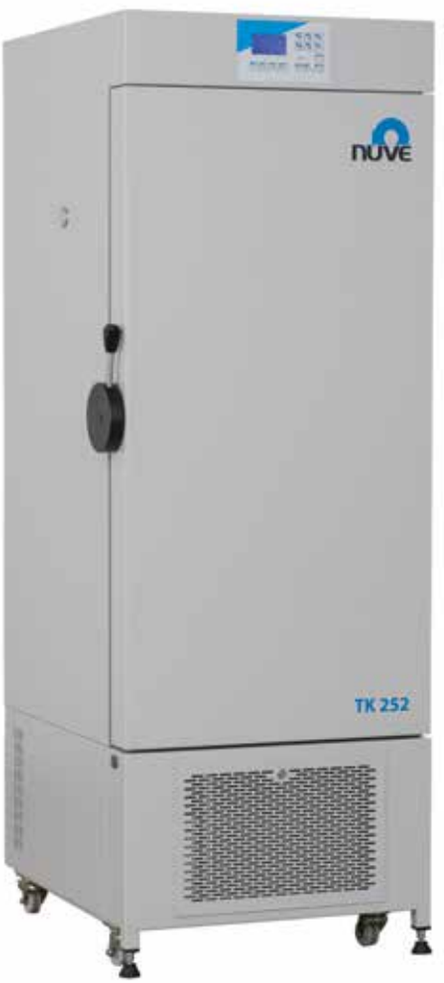
OT 570/OT 570D: 570 liters, 8 pcs. STU

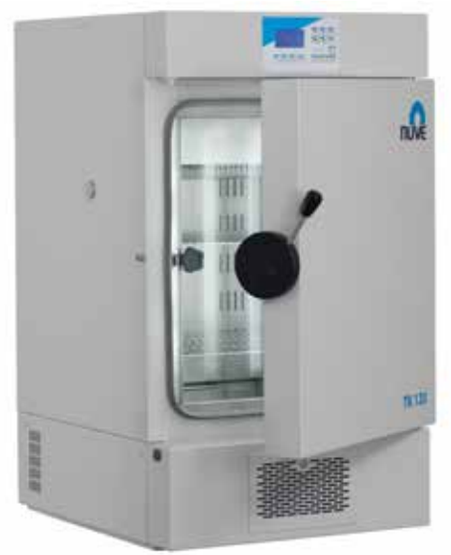
OT 710/OT 710D: 710 liters, 10 pcs. STU

- Ideal design for the steam sterilization of packed or unpacked surgical and dental instruments, operation linen, glass, plastic, rubber and silicon materials, infusion liquids, microbiological cultures and medical waste
- Chamber, steam jacket, door and steam generator made of 316L stainless steel and conform to 2014/68/EU Pressure Equipment Directive
- Pneumatically controlled door opening with safety system
- Steam driven one piece chamber gasket made of silicon
- High capacity, low noise water ring vacuum pump for efficient vacuum
- High quality valves, sensors and transmitters for a problem free and safe operation
- Pneumatic valves in the steam lines
- Innovative AIR – COOLING system for low water and energy consumption
- Steamart™ microprocessor control system with 800x480 pixels 7" colourful touch screen
- Wide screen allows monitoring all related information regarding sterilization cycle
- 7 preset programs, 50 custom made programs
- Two test programs: Bowie & Dick and vacuum leakage
- Memory for last 1.000 cycles.
- Independent control system besides the main control system to record the data related to every cycle
- Comprehensive self–diagnostic system for possible system malfunctions
- Service menu to detect the problem in case of a failure
- Thermal printer offered as standard
- Standart NuveCom™ communication unit
- Sending e-mails up to five e-mail addresses with the details of failure
- USB port to store data on memory stick
- World-wide access via Ethernet port with NuveCloser™
- Optional AlerText™ GSM alarm module
- Password protected menu access
- Standart RS 485 connection for PC
- Double door versions with 4,3" display on the clean side: OT 430D, OT 570D and OT 710D

TK 120/252/600
TEST CABINETS

- Three different sizes: 155, 280, 640 liters
- Economical solution to simulate real environmental conditions by controlling temperature, humidity and day & night cycles
- Excellent design for different purposes in different sectors such as: Electric and electronic industry, automobile industry, automobile supply industry, chemical industry, plastic industry, textile industry, pharmaceutical industry, food industry, packaging industry, plant growth, seed germination, incubation and rearing of insects
- Wide range of temperature control: -10°C/ +60°C (lights off), 0°C/ +60°C (lights on)
- Programmable humidity range: 20 % - 95 % Rh (between +10°C / +60°C)
- Programmable alarm range for temparature and humidity
- Powerful illumination by means of the lights located inside the door
- Max lighting level: TK 120: 6000 lux, TK 252 / 600: 12000 lux
- Programmable lighting timer: 0 - 24 hours
- Easy to use programmable microprocessor control system
- 10 program memories
- 9 program steps for temperature and humidity
- User friendly control panel with 128 x 64 pixel LCD display
- 32 Kb standard, 256 Kb optional memory
- Chamber made of stainless steel
- Ø25 mm access port
- Internal glass door
- Humidity produced by the humidity generator
- Self-diagnostic system for possible failures
- Adjustable safety thermostat for heating
- Outlet for printer connection for printing current or stored programs
- Optional NuveGrowth™ software for programming and controlling via PC



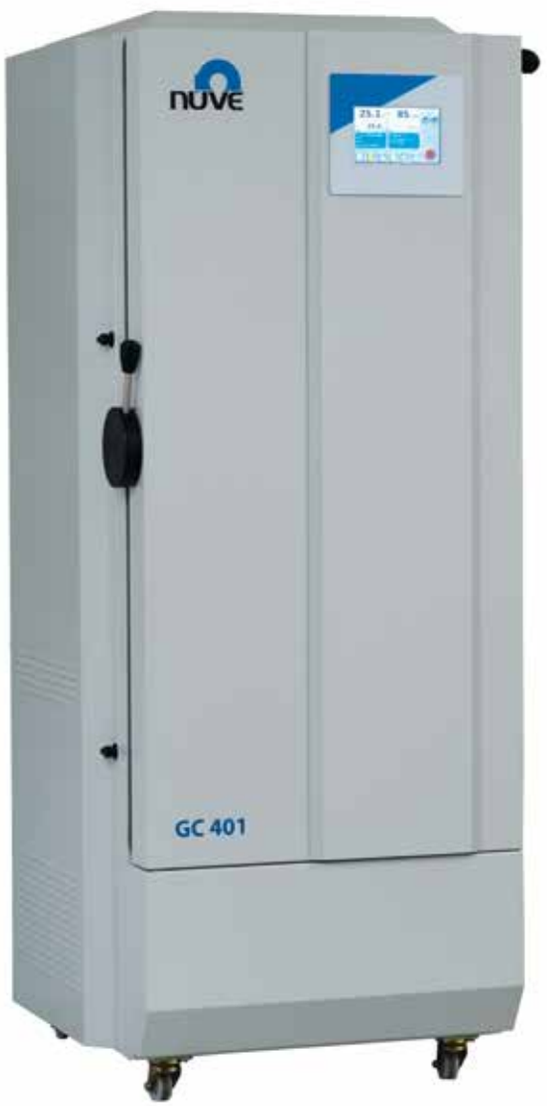


ID 301 CLIMATIC TEST CABINET POWERED BY N-Wise™

- Ideal design for the tests at different climatic conditions and stability, artificial aging and storage tests in industries such as electronic, automobile, automobile supply industry, aircraft and aviation, chemical, plastic, textile, pharmaceutical, construction material, food, packaging and military equipment
- Chamber volume: 290 liters
- Wide range of temperature control: - 40°C / +150°C
- Humidity range: 15 % - 98 % Rh (Between 10°C / 90°C)
- Stainless steel chamber resisting sudden temperature changes
- Outer body including the door made of epoxy-polyester coated stainless steel to resist high humidity levels
- Triple insulation consisting of high density injected polyurethane, glass wool and aluminium layer
- Double door seals with heated surface
- Door window consists of quintuple glass for perfect insulation
- Heated window against condensation
- Interior lighting for easy follow up of the samples
- Ø80 mm. access port as standard
- Humidity produced by the reliable humidity generator
- Accurate humidity measurement even at high temperatures by sensitive humidity sensor
- PID controlled heating and proportional controlled cooling and humidification
- Powerful air circulation system maintaining temperature and humidity uniformity and stability even at low temperatures
- N-Wise™ control system for continuous optimization of climatic conditions
- Full information with 7" colourful touch screen mounted on the door
- Twenty program memories for frequently operated applications
- Programmable 20 steps for each program
- Program repetition up to 999 times
- Programmable ramp function for heating and cooling as °C/minute or time period
- Comprehensive self-diagnostic system to provide the information regarding any malfunction
- Massive data storage with 2 GB internal memory
- Adjustable electronic safety thermostat

- External temperature probe connections for four pieces of PT 100 temperature probes that ensure measured temperatures to be displayed on the screen.
- Operating parameters can be tracked graphically against time
- Data tracking and storage on PC via N-Wise Closer™ software
- USB port to record the data in the memory to an external memory with selectable time intervals between 1 and 60 minutes
- Ethernet port for remote access through internet by means of optional N-Wise Closer™ software
- Sending e-mails up to five e-mail addresses with the details of failure
- Audible alarms and on-screen messages in plain language, no codes
- For ultimate security optional AlerText™ sends a text message to mobile phones

GC 401
GROWTH CHAMBER
POWERED BY N-Wise™



- Advanced technology for tests at different climatic and lighting conditions such as plant growth, seed germination, acclimation of plants, culture of plant cells and tissues, genetic manipulations of plants, cultivation of protoplasm and cells, incubation and rearing of insects
- Chamber volume: 316 liters
- Wide range of temperature control:
  -10°C / +60°C (lights off), 0°C/+60°C (lights on)
- Programmable humidity range:
  20 % / 90 % Rh (between +10°C and +60°C)
- Chamber made of stainless steel and glass window in the two sides
- Double layer LOW-E type glass for perfect light transmittance and insulation
- High density injected polyurethane insulation for back and top sides of the chamber
- Powerful lighting from three sides: Left, right and front
- Ideal light density by the mixture of daylight and Grolux fluorescents
- Programmable lighting as real time or time period of program step
- Independent programming of lighting for each side with rate control
- Optional LED lighting by the over shelf
- Humidity produced by the reliable humidity generator
- Accurate humidity measurement even at high temperatures by sensitive humidity sensor
- PID controlled heating and proportional controlled cooling and drying
- Powerful air circulation system maintaining temperature and humidity uniformity and stability even at low temperatures
- N-Wise™ control system for continuous optimization of climatic conditions
- Full information with 7" colourful touch screen mounted on the door
- Twenty program memories for frequently operated applications
- Programmable 20 steps for each program
- Program repetition up to 999 times
- Massive data storage with 2 GB internal memory
- Operating parameters can be tracked graphically against time
- Data tracking and storage on PC via N-Wise Closer™ software
- USB port to record the data in the memory to an external memory with selectable time intervals between 1 and 60 minutes
- Ethernet port for remote access through internet by means of optional N-Wise Closer™ software
- Sending e-mails up to five e-mail addresses with the details of failure
- Audible alarms and on-screen messages in plain language, no codes
- For ultimate security optional AlerText™ sends a text message to mobile phones

The Right Choice for the Right Results

Nüve, which was founded in 1968, is one of the leading and outstanding manufacturers of Turkey in the field of laboratory and sterilization technology.

Since its foundation, Nüve had contributed to the advancement of its products and production processes by means of technical innovations and investments made for research and development.

With a network of 30 distributors in Turkey, Nüve holds the major part of the Turkish market. Strong international focusing; formulated, fast, economic solutions combined with continually evolving quality awareness and customer oriented services form a significant part of Nüve's business concept. Because of these special features, Nüve has become a fast growing company among its competitors. Having ISO 9001:2008 and ISO 13485:2003 certificates, Nüve is exporting to more than 100 countries by the contribution of its professional work force and very competitive quality and price.

The manufacturing plant is 30 km away from Ankara, the capital city of Turkey and consists of 6000 m^2 closed area. High technology machine tools and sheet metal working machines are used for standard production. The quality of the raw materials and parts supplied plays an important role in obtaining a stable production of high quality products.

The product range of Nüve is expanding every year proportional with its continuous research studies. Subject to ever-changing customer perceptions and worldwide technological improvements, also the development of products never ends at Nüve.

The equipment that Nüve manufacture are mostly used in all kinds of medical laboratories, biotechnology, research and quality control laboratories of agriculture, botany and veterinary as well as in the quality control laboratories of various industries such as food, beverage, dairy, chemicals and pharmaceuticals.

With its flexible mass production technology, fast delivery process, well established network of national and international distributors, quick and efficient after sales services and unlimited spare part supply, Nüve is ready to meet the needs and demands of its customers all times and just in time.

NÜVE SANAYİ MALZEMELERİ İMALAT VE TİCARET A.Ş.
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