NC 150/150D
Horizontal Steam Sterilizers

nuve

NC 150

N-smart

NC 150/150D

HORIZONTAL STEAM STERILIZERS

NC 150/NC 150D Horizontal Steam Sterilizers; has been developed for steam sterilization of textile, glass, packaged or unpackaged materials used in operating rooms, medical, dental, and veterinary faculties of universities, pharmacy, biotechnology and food sectors.

The NC 150D, a double-door model, has been developed for sterilization centers with dirty-clean area separation.

VERSATILE OPERATING SYSTEM

• Built-in steam generator for fast steam generation

• Maintenance-free powerful diaphragm type 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.

• Manometer showing chamber pressure

• Shelving system providing easy loading and high capacity

• Sterilization meeting the requirements of the European Standard for EN 285 Large Steam Sterilizers

• Rapid heating of materials thanks to the preheating system and prevention of condensation on the cell surfaces
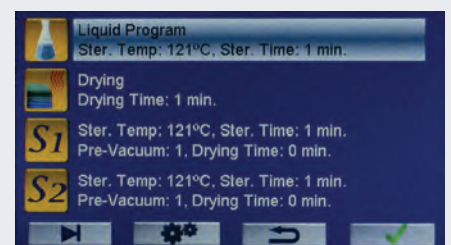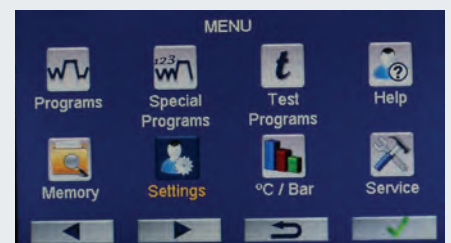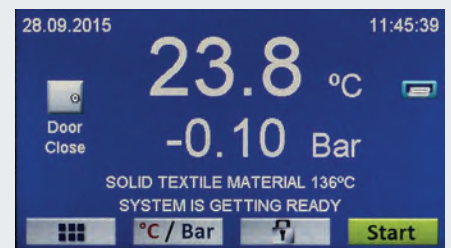
NC 150

POWERFUL AND RELIABLE CONTROL SYSTEM: N-Smart™

• High resolution 4.3" video graphic color TFT LCD screen with sterilization cell temperature and pressure, wall temperature, steam generator temperature and pressure, name of the active program, stage of the program, total and phase times of the active program, sterilization chamber temperature graph, door positions, alarm states traceability

• 4-digit passcode to prevent unauthorized access to the menu

• 5 languages: Turkish, English, French, Spanish, Russian

• Help page with explanations of device malfunctions

EASY STERILIZATION

• 7 ready-made programs that provide safe sterilization for the materials to be sterilized:
- Resistant textile 136°C 10 minutes
- Wrapped porous 134°C 10 minutes
- Prion134°C 20 minutes
- Quick, unwrapped 134°C 4 minutes
- Resistant rubber 125°C 15 minutes
- Senstive material 121°C for 20 minutes
- Gravity 121°C 25 minutes

• 10 programmable freel programs:
- Temperature: 121°C / 125°C / 134°C / 136°C
- Sterilization time: 1-99 minutes
- Number of pre-vacuum repetitions: 1- 4
- Drying time: 1-30 minutes

• 2 separate special programs for liquid sterilization and drying

• Preheating feature

• Stand-by system that can be adjusted after the sterilization process is completed
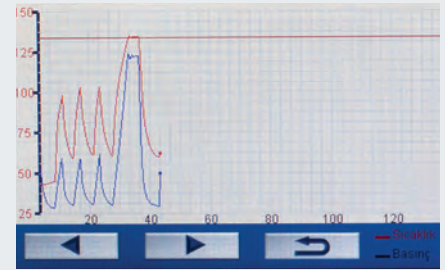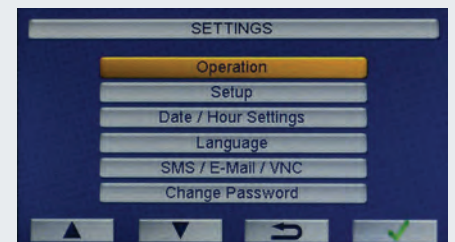
TEST PROGRAMS

- Vacuum leakage test
- Bowie & Dick test

FULL TRACEABILITY AND REMOTE ACCESS

• Possibility to follow temperature data on graph

• 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.

• Software update via USB port

• Remote access to parameters, data in memory, error history, temperature values and other technical data operated by Ethernet port and NüveCloser™ software

• Informing 5 different people by sending an e-mail in case of all failures with the Ethernet port

• With the optional panel type thermal printer, the sterilization cycle including date-time, name of the active program, pre-vacuum time, stage information, preheating temperature, sterilization temperature and pressure chamber, sterilization time, drying time, error messages that may occur in the system, date time at the end of the sterilization process, total time and user signature information is provided.

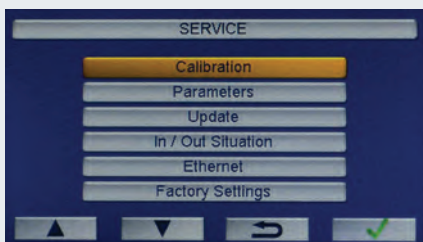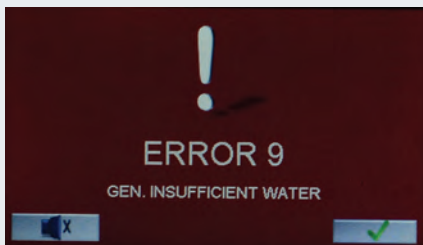• Standard Wi-Fi connection for the N-Mobile™ phone app

PROCESS EVALUATION AND ERROR WARNING SYSTEM

• Process evaluation system

• Advanced fault detection system in case of power failure, heater failure, low water level, high temperature and pressure, sensor etc. failures

SAFETY OVER STANDARDS

• 4-digit password-protected operation, service and calibration menus

• With electromechanical cover safety system

 - The lid does not open when the cell is under pressure

 - The program does not start when the lid is open

• Screen that turns red in case of any alarm and warns the user with the audible alarm

• Reminder for gasket and filter replacement

• Ability to send e-mails to 5 different addresses with detailed information in case of errors and malfunctions

• Thanks to the optional AlerText™ GSM alarm module, text messages can be sent to 5 different phone numbers in case of errors and malfunctions

• Safety valve against overpressure

• Hepa filter at air intake line.

• Accredited institution approved CE marking according to MDD 93/42/EC
  medical device directive

• Production in accordance with PED 2014/68 EU pressure vessels directive

• Standard validation port

TECHNICAL SPECIFICATIONS

	NC 150	NC 150D
Chamber Volume, litres	162	150
Sterilization Temperature	121 - 125 - 134 - 136°C	
Number of Preset Programs	7	
Number of Free Programs	12 (10 solid, 1 liquid*, 1 drying)	
Test Programs	Vacuum leak test and Bowie & Dick test	
Minimum Vacuum Level	200 mbar.	
Control System	N-Smart™ control system with programmable microprocessor	
Display	4.3" color LCD display	
Internal Material	Stainless steel	
External Material	Stainless steel and electrostatic powder coated stainless steel	
Standard Accessories	Shelf carrier and 6 shelves (4 pcs. 420x740 mm, 1 pc. 275x740 mm, 1 pc. 330x740 mm)	
Power Rating	11500 MB	
Power Supply	400VAC, 50 Hz	
Chamber Dimensions (Dia. x H) mm	Ø 496x880	Ø 496x777
External Dimensions (WxDxH) mm	680x1115x1558	680x1120x1558
Packing Dimensions	880x1300x1780	880x1300x1750
Net / Packed Weight, kg	300 / 390	382 / 470

*Please contact us before using the liquid sterilization program.

OPTIONAL REQUESTS

A 08 191   AlerText™ GSM alarm module (Sim card not included)

ACCESSORIES

A 08 104   Printer paper (20 pieces)
A 08 209   Loading cart
A 08 210   Basket transport cart
A 08 211   Rack car complete
A 08 215   Stu Carrier and 1 pc. STU
A 08 225   Water softening unit
A 08 233   Sterilization bag separator
F 06 048   HEPA filter
S 09 026   STU Basket (300x600x300 mm) (1 STU fits in the device)