



# NC 100

## Vertical Steam Sterilizer



**N-smart**

# NC 100

## VERTICAL STEAM STERILIZER

*NC 100 Vertical Steam Sterilizer is designed for the sterilization of textile, wrapped or packed materials, glass and liquid in operating theatres and laboratories of hospitals; dentistry; biology, veterinary and agricultural departments of universities; microbiology and quality control laboratories of industry such as food.*

### VERSATILE OPERATING SYSTEM

- Integrated steam generator for fast production of steam
- Maintenance-free diaphragm 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 to speed up the heating of the samples





## RELIABLE AND POWERFUL CONTROL SYSTEM: N-Smart™

- Maximum information with highly visible 4,3" colourful LCD display
- Four context-sensitive function keys for versatile & easy use
- Password protected menu to secure run parameters and data
- With 5 language options: Turkish, English, French, Russian, Spanish
- Icons to make the operations easier for immediate understanding

## EASY STERILIZATION

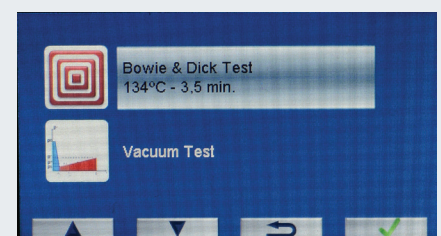
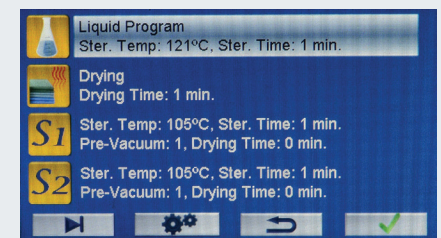
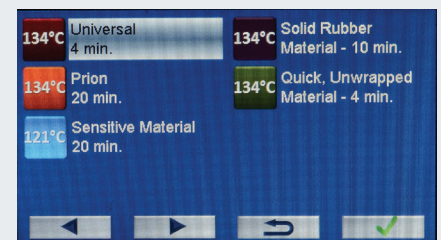
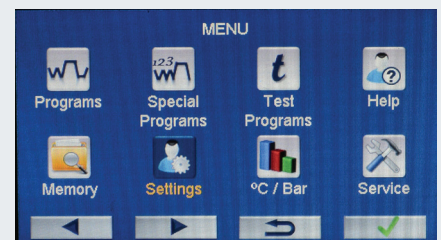
- Five pre-set programs which guarantee safe sterilization of the treated material

Universal	134°C	4 minutes
Solid rubber material	134°C	10 minutes
Prion	134°C	20 minutes
Quick, unwrapped	134°C	4 minutes
Sensitive material	121°C	20 minutes

- Ten programmable free programs:

Temperature :	105°C - 136°C
Sterilization time :	1 - 99 minutes
No. of pre vacuum :	1 - 4
Drying time :	0-30 minutes

- Two special programs for liquid sterilization and drying
- Programmable pre-heating

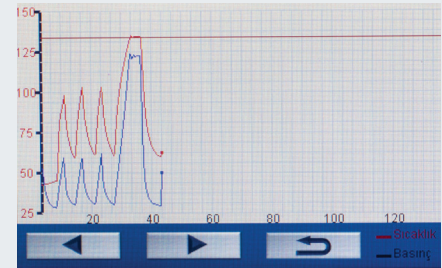


## TEST PROGRAMS

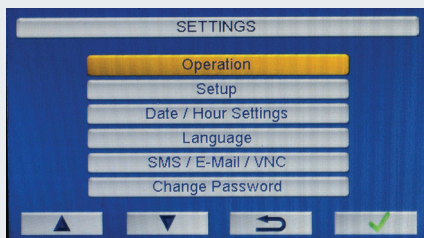
- Vacuum leakage test and Bowie & Dick test

## FULL TRACEABILITY AND REMOTE ACCESS

- Operating parameters can be tracked graphically against time
- Massive data storage with internal memory which stores the records of last 500 cycles detailed 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
- Possibility of PC connection through USB / RS 232 port
- Ethernet port for remote access through internet by means of optional NüveCloser™ software
- NüveCloser™ allows to access operating parameters, memory, failure history and other technical parameters
- Optional panel type printer to keep the records of the sterilization cycle

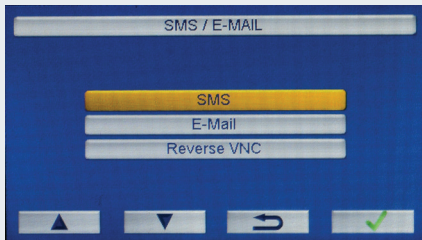
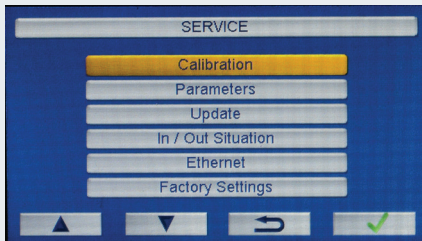


OLDER CYCLES				
NO	DATE	TIME	PROGRAM	ERROR
00001	22.09.15	12:16	Bowie & Dick/Helix	---
00002	22.09.15	09:51	Sensitive	✓
00003	22.09.15	09:11	Vacuum Test	✓
00004	21.09.15	16:26	Prion	✓
00005	21.09.15	13:56	Sensitive	✓



## PROCESS EVALUATION AND SELF DIAGNOSTIC SYSTEM

- Compare the preset values with operating parameters using the process evaluation system
- When the operating parameters do not match the preset values, the sterilization cycle is cancelled and the user is warned
- Comprehensive self-diagnostic system for 19 possible failures such as power failure, heater failure, low water level, high pressure and temperature, sensor failure...



## SAFETY OVER STANDARDS

- 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 NüveCloser™ 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
- Chamber and generator manufactured according to PED 2014/68 EC
- Validation port as standard



## TECHNICAL SPECIFICATIONS

Chamber Volume, litres	100
Sterilization Temperature	105°C - 136°C
No of Preset Programs	5
No of Free Programs	10
Special Programs	Liquid Sterilization and Drying
Test Programs	Vacuum Leakage, Bowie & Dick
Minimum Vacuum Level	200 mbar
Control System	N-Smart™ Control System
Display	4,3" Colourful LCD Display
Internal Material	Stainless Steel
External Material	Stainless Steel and Epoxy Polyester Powder Coated Stainless Steel
Standard Accessories	3 sterilization baskets
Power Consumption	7.500 W
Power Supply	400 V 50/60 Hz, 3 phases + N + G
Chamber Dimensions (DiaxHeight) mm.	Ø 400x850
External Dimensions (WxDxH) mm.	890x663x1115
Packing Dimensions (WxDxH) mm.	970x755x1260
Net / Packed Weight kg.	172 / 182

### FACTORY FITTED OPTIONS

NC 100Y	Panel type thermal printer
NC 100A	Automatic water supply unit
NC 100E	Nuvelift™ to load/unload basket

### OPTIONS

A 08 191	AlerText™ GSM alarm module
A 08 212	NüveCloser™ Software CD with 3 m. RS 232 cable



**NUVE SANAYİ MALZEMELERİ İMALAT VE TİCARET A.Ş.**

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ISO 9001: 2008  
ISO 13485: 2012

