



# NC 100

## Vertical Steam Sterilizer



**N-s22art**

# 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

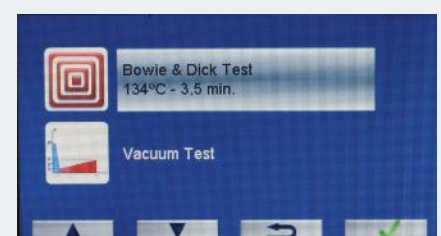
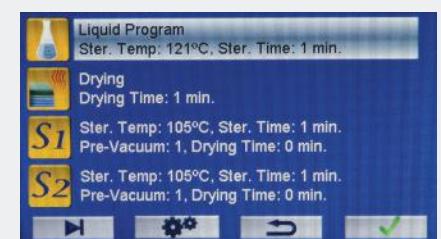
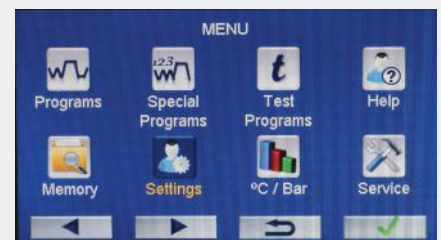
- Five pre-set programs which guarantee safe sterilization of the treated material

|                       |       |            |
|-----------------------|-------|------------|
| 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



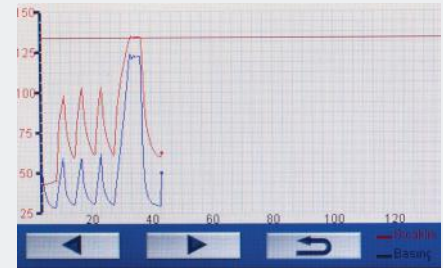


## TEST PROGRAMS

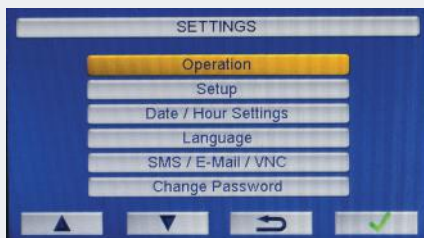
- Vacuum leakage test and Bowie & Dick test

## 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

