

Date: May 2017

To: As Part of Contracting Package for Equipment Request

From: Sterile Processing Service (SPS)

Ref: Three ST100NX All Clear 1-Dr Duo Hydrogen Peroxide Low Temperature Sterilizers

Salient Characteristics

- Low temperature sterilization
- Detection and correction of load and system issues
- Automatic pre-cycle system diagnostics and load condition in 5 minutes
- Technology to ensure optimal package and instrument conditions for sterilization
- System check – system diagnostics occur throughout the process prior to sterilization cycle
- Moisture detection – automatically detect both moisture on surface and moisture absorbed by materials
- Moisture removal – automatically remove small amounts of moisture on the surface and moisture absorbed by materials
- Instrument warming – plasma technology to continually remove moisture and warm instruments
- On-screen notifications
- Graphic display indicating proper load placement for the selected cycle
- Cycle information screen describing the types of devices that can be processed in each cycle
- Automatic communication between sterilizer, company and RTLS
- Interface to make cycle navigation intuitive and straightforward
- Multiple cycle options for a wide variety of instrument types
- Graphic display indicating proper load placement for selected cycle
- Automatic and touchless ejection into cassette disposal container
- Cassette with automatic detection of expiration date
- Gas plasma technology to reduce environmental concentrations of hydrogen peroxide
- Preserve instrument integrity
- Standard cycle to sterilize most surgical instruments - 47 minutes
- Duo cycle to sterilize cameras and up to 2 single-channel flexible endoscopes - 60 minutes
- Express cycle to sterilize da Vinci 3-D endoscopes and other delicate instruments without lumens - 24 minutes
- Flex cycle to sterilize up to 2 single-channel flexible endoscopes - 42 minutes
- Upgradable and expandable sterilization system
- Cycle temperature - 47°C - 56°C
- Sterilant – Hydrogen peroxide
- Sterilant delivery – Standard/Express/Flex: 10.8 ml per cycle (double kill) (2 ampules, each ampule 5.4 mL)
Duo: 3.1 mL per cycle
- Single door
- Height: 1800 mm Width: 775 mm Depth: 1055 mm
- Chamber total volume: 152 L
- Chamber dimensions: Height 410 mm Width 510 mm Depth 735 mm
- Chamber shape: Rectangular
- Shelf: Two-tiered shelf: Width: 444 mm Depth: 643 mm

- Mobility: 4 casters (2 locking)
- System weight: 1 door: 382 kg
- Touchscreen technology
- Barcode reader
- External drives: USB to allow data upload and download
- Standards/Compliance ISO 14937
- Terminal sterilization, double-kill cycle
- Delivered sterilant concentration: 58%-59.6%
- Sterilization cycle monitoring: critical system parameters monitored with on-board sensors, biological indicators, chemical indicators
- H2O2 concentration continuous monitoring: UV sensor within the chamber
- Operational Environment: Temperature 18°C-35°C Humidity: 10%-85% RH (noncondensing)
- Electronic data storage up to 200 cycles
- Internal printer for manual recordkeeping