

STERILUCENT

Simply smart.



Dynamic, gentle cycling

Continuous in-chamber sensing and cycle adjustments virtually eliminates material damage.



Intelligent moisture sensing & drying

Cycle assurance is maintained by patented iQVHP™ technology, reducing failed cycles.



Smart chemistry delivery

Smart data analytics deliver just the right amount chemistry, at just the right time, using less hydrogen peroxide.



A new level of control

User-friendly interface, intuitive analytics and a wealth of smart features enable superior performance and user confidence.

moxiSMART™ LS80

Life Science Processing System with iQVHP™ Technology

An entirely new class of intelligent processor provides smart data and analytics, redefining what's possible.

- Achieves ≥ 6 -log reduction of bacteria and viruses on hard surfaces
- Shorter cycle times, lower operating costs
- Customizable validated sterilization cycles
- Compatible with sensitive lab materials (plasticware, sensors, packaging)
- Compact footprint



SUITABLE FOR BIODECONTAMINATION OF:

- Laboratory instruments
- Medical devices
- Single-use packaging components
- Biotech sensors
- R&D devices
- Plasticware, tubing

DISCLAIMER: This system is intended for decontamination and sterilization applications, including the sterilization of medical devices in industrial and life sciences settings when validated by the user in accordance with applicable standards—such as ISO 22441:2022—it may be used to support sterilization claims. This system is not cleared or approved by the U.S. FDA for use in healthcare or hospital environments.

moxiSMART™ LS80

Life Science Processing System with iQVHP™ Technology



CHAMBER VOLUME:

83 liters

CHAMBER OPERATING TEMPERATURE:

40-55°C (104-131°F)

PHYSICAL CHARACTERISTICS

HEIGHT: 82 cm (32.25 in.)

WIDTH: 76 cm (30 in.)

DEPTH: 79 cm (31 in.)

WEIGHT: 138.8 kg (306 lbs.)

POWER REQUIREMENTS

VOLTAGE: 100 – 120 VAC or 200 – 240 VAC
(depending on model)

FREQUENCY: 50/60 Hz ± 2 Hz

PHASE: Single

MAXIMUM POWER: 2400 W

CURRENT: 15.4A Long-Time, 42A Momentary @ 100 – 120 VAC
8.5A Long-Time, 33A Momentary @ 200 – 240 VAC
Power Cord Length: 2.5 m (8.2 ft.)

OPERATING CONDITIONS

TEMPERATURE: 16 to 29°C (61 to 84°F)

HUMIDITY: 60% Maximum at 29°C (84°F) Altitude: ≤2000m
(6,562 ft.)

POLLUTION INDEX: 2

ROOM VENTILATION: Minimum of 10 air changes per hour

DRAINAGE: No drainage requirements

REQUIRED MINIMUM OPERATING CLEARANCES

FRONT: 90 cm (36 in.)

BACK: 5 cm (2 in.)

SIDES:

Left side: 10 cm (4 in.) when facing front

Right side: 20 cm (8 in.) when facing front

MATERIAL COMPATIBILITY

Steriluent has performed exhaustive material compatibility and biocompatibility testing on the materials listed below in both coupon and medical device form. The samples were cycled in the MOXIsmart™ System for a minimum of 200 cycles as well as tested against the following biocompatibility standards: cytotoxicity, sensitization, intracutaneous reactivity, ocular irritation, system toxicity, and hemolysis.

The following materials passed the above testing and are deemed to be compatible with the MOXIsmart™ System:

Acrylonitrile Butadiene
Styrene (ABS)

Aluminum

Aluminum (Anodized)

Brass

Chrome Plated SS

Ethylene-Chlorotrifluoro-
ethylene (ECTFE; Halar®)

Ethylene-Vinyl Acetate
(EVA, PEVA)

Fluoroelastomer
(FKM, Viton®)

Glass

Gold

Liquid Crystal Polymer
(LCP, Xydar®)

Nickel Titanium (Nitinol)

Nylon

Ocular Machemer
Magnifying Glass

Polyamide Aliphatic
(PA, Nylon, Zytel®)

Polycarbonate (PC, Lexan®)

Polychloroprene
(CR; Neoprene®)

Polydimethylsiloxane
(PDMS, Silicone)

Polyester (PE)

Polyetheretherketone
(PEEK, Ketaspire®)

Polyetherimide
(PEI, Ultem®, Duratron®)

Polyethylene, High Density
(HDPE)

Polyethylene, Low Density
(LDPE)

Polymethyl Methacrylate
(PMMA, Acrylic, Plexiglass,
Optix®)

Polyoxymethylene
(POM, Acetal, Delrin®)

Polyphenyleneoxide
(PPO, Noryl®)

Polyphenylsulfone
(PPSU, Radel®)

Polypropylene (PP)

Polystyrene (PS)

Polysulfone (PSU)

Polytetrafluoroethylene
(PTFE, Teflon®)

Polyurethane (PUR,
Pellathane®, Tecothane®)

Polyvinylchloride (PVC)

Santoprene

Silicone

Stainless Steel (SS)

Stellite™

Styrenic Block Copolymer
Thermoplastic Elastomer
(SBC TPE or TPE-S,
Kraton™/Versaflex™)

Thermoplastic Elastomer Vul-
canizate (TPV, TPV-V or TPE-V,
Santoprene™ TPV, Dynaflex)

Titanium

Tungsten Carbide