



## HC 80TT Vaporized Hydrogen Peroxide Sterilizer with Cycle Guardian™

### Specifications

#### Sterilization Cycles

##### Flexible Cycle

**Time:** 30 – 35 minutes

**Weight:** Maximum 14.5 kg / 31.9 lbs. (flexible scopes and/or non-lumen devices)

**Flexible Scope Limit:** 2 per cycle

Lumen	Inside Diameter	Length
Single Channel	≥ 1 mm	≤ 1280 mm
Dual Channel	1 <sup>st</sup> Channel ≥ .8 mm 2 <sup>nd</sup> Channel ≥ 1.0 mm	≤ 1000 mm ≤ 850 mm

##### Lumen Cycle

**Time:** 58 – 65 minutes

**Weight:** Maximum 9.2 kg/20.2 lbs.

Lumen Material	Inside Diameter	Length
Stainless Steel (single channel)	≥ 0.77 mm	≤ 410 mm
Stainless Steel (dual channel)	≥ 0.77 mm ≥ 1.13 mm	≤ 410 mm ≤ 430 mm
Stainless Steel (triple channel)	≥ 1.00 mm	≤ 310 mm

Lumen Limit: 15 lumens per cycle

##### Heavy Set

**Weight:** 12.75 kg (28.1 lbs.)

Lumen	Inside Diameter	Length
Stainless Steel (single channel)	≥ 2.54 mm	≤ 81.8 mm
Stainless Steel (single channel)	≥ 4.32 mm	≤ 153 mm

Lumen Limit: 10 lumens per cycle

#### Sterilization Chamber

**Volume:** 83 liters

**Chamber Operating Temperature:** 55°C (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:** ≤ 2000 m (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:** 10 cm (4 in.) left side, when facing front of sterilizer 20 cm (8 in.) right side, when facing front of sterilizer

**Standards**  
**EMC Standards**

**IEC 60601-1-2, Ed. 4, Issued: 2014/02/25**  
**Medical Electrical Equipment - Part 1-2:**  
General Requirements for Safety - Collateral

**Standard:** Electromagnetic Compatibility Requirements and Tests

**Emissions:** CISPR11 Class A Group 1

**Immunity:** Test levels per IEC 60601-1-2:2014 Ed.4

Standard	Test Description
IEC 61000-4-2	Electrostatic discharge immunity
IEC 61000-4-3	Radiated, radio frequency, electromagnetic field immunity
IEC 61000-4-3	Proximity fields from RF wireless communication equipment immunity
IEC 61000-4-4	Electrical fast transient/burst immunity
IEC 61000-4-5	Surge immunity
IEC 61000-4-6	Conducted disturbances, induced by radio frequency fields immunity
IEC 61000-4-8	Power frequency magnetic field immunity
IEC 61000-4-11	Voltage dips immunity
IEC 61000-4-11	Voltage interruptions immunity

**Electrical Safety Standards**

**IEC 61010-1:2010 Ed.3.1, AMD1:2016**

**Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 1:** General Requirements  
IEC 61010-2-040:2015 Ed.2

**Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 2-040:** Particular Requirements for Sterilizers and Washer Disinfectors Used to Treat Medical Materials  
UL 61010-1:2012 Ed.3+R: 29 Apr 2016

**Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 1:** General Requirements  
CSA C22.2#61010-1-12:2012 Ed.3+U1; U2 (R2017)

**Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 1:** General Requirements  
UL 61010-2-040:2016 Ed.2

**Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 2-040:** Particular Requirements for Sterilizers and Washer Disinfectors Used to Treat Medical Materials  
CSA C22.2#61010-2-040:2016 Ed.2

**Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 2-040:** Particular Requirements for Sterilizers and Washer Disinfectors Used to Treat Medical Materials

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