



# STERILIZERS



## Selection Guide

### HARVEY STERILIZERS

	Product Description	Sterilizing Agent	Cycle Types	Dry Cycle	Printer	Page
<i>Type B* Pre-Vacuum/Vacuum Drying Sterilizer</i>	PV Dry™	Steam	Liquid 15 min. @ 121°C Unwrapped 3 min. @ 135°C Wrapped 5 min. @ 135°C Packs 30 min. @ 121°C Special 5 min. @ 134°C	No Yes Yes Yes Yes	Optional	303
<i>Largest Portable Laboratory Model Available!</i>	SterileMax™	Steam	Liquid 15 min. @ 121°C Unwrapped 3 min. @ 135°C Wrapped 10 min. @ 135°C Packs 30 min. @ 121°C	No Yes Yes Yes	Optional	304
<i>There's No Better Way to Extend the Life of Your Instruments!</i>	Chemiclave	Chemical Vapor	Fixed 20 min. @ 132°C	N/A	No	305
<i>Easy-To-Program Tabletop Sterilizers!</i>	MC8/MC10	Steam	Liquid 30 min. @ 121°C Unwrapped 3 min. @ 135°C Wrapped 5 min. @ 135°C Packs 30 min. @ 121°C	No Yes Yes Yes	Optional	306

### WATER PRETREATMENT SYSTEM

	Product Description	Flow Rate LPM	Page
<i>Quick, Pure Water for Your Steam Sterilizer!</i>	Harvey DI+	0.5	307

### BIOLOGICAL INDICATORS AND STERILIZATION BAGS

	Product Description	Page
<i>Fast Indication and Easy to Use!</i>	B/T Sure®/Sterileamp® II	308
<i>Simple Daily Monitor for Your Sterilizer!</i>	Chemitest Indicators/Sterilization Bags	309

EXPLORE  
OUR WEBSITE AT  
[WWW.BARNSTEAD.COM](http://WWW.BARNSTEAD.COM)



*PV Dry™ Steam with Pre/Post-Vacuum*



**The New Dry Standard  
in Sterilization**

- Auto-fill water technology
- Eliminate risk of instrument recontamination
- Faster drying times with an average start-to-dry cycle of 40 minutes
- Guarantee that all pouches and instruments will come out dry
- ★ 24 Month Warranty



Easy-to-read LCD Display

PV Dry

**Product Description**

- Vacuum-closed-door sterile drying of goods for speed and sterile integrity.
- Patented non-recirculation system means less chamber cleaning time.
- Patented automatic door-closing system eliminates hard-to-close doors.
- Pulsed pre-vacuum for maximum steam penetration.
- Five preset cycles allow simple operation of wrapped, unwrapped, packs, liquid and special cycles.
- Large chamber, yet small foot-print saves valuable counter space.

- Easy connection to printer or data port for validation or record keeping.
- Easy to read LCD display lets you view all parameters.
- Custom programs can be created in lab mode for unique applications.
- Meets highest national performance expectations, AAMI - ST-55 performance standard, as well as pressure vessel safety standards.
- Type B\* sterilizer is defined by European Normative EN13060 (2004).
- Custom cast long-life heating element minimizes service and repair cost.
- Built-in diagnostic system is accessible from front panel for quick service.

**PRODUCT SPECIFICATIONS**

Overall Dimensions (W x H x D)	19" x 15.5 x 23" (48.3 x 39.4 x 58.4 cm)
Chamber Dimensions	10" diameter, 15.5" depth (25.4 x 39.4 cm)
Chamber Capacity	.70 cubic feet (20 l) .52 cubic feet (15 l) usable space

Fixed Cycle Parameters	Liquids: 15 min. @ 121°C Unwrapped: 3 min. @ 135°C Wrapped: 5 min. @ 135°C Packs: 30 min. @ 121°C Special: 5 min. @ 134°C
Accessories included	Rack, 1 large tray, 1 small tray

**ORDERING INFORMATION**

Model #	Description	Electrical				Shipping Weight Lb (kg)
		Volts	Amps	Watts	Freq.	
ST127325 <sup>2,3</sup>	PV Dry Sterilizer	120	11	1320	50/60	140 (63.5)
ST127320 <sup>2,3</sup>	PV Dry Sterilizer	240	8.3	2000	50/60	140 (63.5)
ST127320-33 <sup>1,2,3</sup>	PV Dry Sterilizer	230	7.8	1800	50	140 (63.5)
ST12733 <sup>2,3</sup>	PV Dry Sterilizer w/DI Connections	115	11	1320	50/60	142 (64.4)
ST127330 <sup>2,3</sup>	PV Dry Sterilizer w/DI Connections	240	8.3	2000	50/60	142 (64.4)
ST127330-33 <sup>1,2,3</sup>	PV Dry Sterilizer w/DI Connections	230	7.8	1800	50	142 (64.4)
ST127345	PV Dry Sterilizer w/Harvey DI Kit	115	11	1320	50/60	155 (70.3)
ST127340	PV Dry Sterilizer w/Harvey DI Kit	240	8.3	2000	50/60	155 (70.3)
ST127340-33 <sup>1</sup>	PC Dry Sterilizer w/Harvey DI Kit	230	7.8	1800	50	155 (70.3)

<sup>1</sup>CE, <sup>2</sup>CSA, <sup>3</sup>NRTLc

**ACCESSORIES**

Model #	Description	Model #	Description
TC759X1A	Temperature Verification Probe	PM20700	Digital Pyrometer
HRX5	Pouch Rack	AY1137X1	Printer Assembly, European Cord
260761	IMS Cassette Rack	AY1095X1	Printer Assembly, 120V

## SterileMax™ Steam



SterileMax



Easy-to-read  
LCD display



Triple door  
lock ensures  
safety

### Largest Portable Laboratory Model Available!

- Four preset cycle programs
- Largest bench top sterilizer chamber available
- ★ 24 Month Warranty

#### Product Description

- Largest bench top sterilizer chamber available - accommodates three 2 liter Erlenmeyer flasks.
  - Non-recirculation option ensures debris and contaminants are not recycled through the sterilizer keeping the unit running longer with less cleaning.
  - Four preset cycle programs allow one touch operation for liquids, wrapped goods, unwrapped goods and packs.
  - The 12" x 18" (30.4 x 45.7 cm) chamber contains removable racks and trays for smaller loads and other unique sterilization requirements. Remove racks for easy cleaning.
  - Easy-to-read LCD display lets you view sterilization and diagnostic programs and displays all aspects of cycle for quick visual verification.
  - Three locks on chamber door ensure your safety. Door will not open until chamber is depressurized.
  - The SterileMax is ASME, UL, CE and CUL approved. Built to AAMI - ST-55 specifications.
  - Independent validation testing\* for sterility, accuracy and verification of all programs. Meets all current requirements for tabletop sterilizers.
- \*Testing completed by Biotest Laboratories, Minneapolis, MN.

#### Operation

- Custom programs can be set for liquids or other hard goods.
- Built-in water pump maintains consistent water supply and accurate steam for every cycle.
- To regularly test sterilization performance, an access port is built into the SterileMax for easy and safe verification of temperature and pressures.
- LCD will display faults to indicate when sterilization parameters has not been reached in the chamber.

#### PRODUCT SPECIFICATIONS

Overall Dimensions (W x H x D)	22.5" x 17" x 24.5" (56.9 x 43.2 x 62.2cm)
Chamber Dimensions	12" diameter 18" depth (30.4 x 45.7 cm)
Chamber Capacity	1.2 cubic feet (34 L)
Heater Wattage	1500 W
Shipping Weight	132 lb. (59.9 kg)
Operating Weight	85 lb. (38.5 kg)

Fixed Cycle Parameters	Liquids: 15 min. @ 121°C
	Unwrapped: 3 min. @ 135°C
	Wrapped: 10 min. @ 135°C
	Packs: 30 min. @ 121°C
	Optional Cycle Parameters: 1-99 min. @ 100°C-136°C
	Accessories Included: Rack, 1 Large Tray, 1 Small Tray

#### ORDERING INFORMATION

Model #	Description	Electrical (50/60 Hertz)	
		Volts	Amps
ST75935	SterileMax Sterilizer with printer	120	12.5
ST75925 <sup>2,3</sup>	SterileMax Sterilizer without printer	120	12.5

Model #	Description	Electrical (50/60 Hertz)	
		Volts	Amps
ST75930-33 <sup>1</sup>	SterileMax Sterilizer with printer	230	6.5
ST75920-33 <sup>1,2,3</sup>	SterileMax Sterilizer without printer	230	6.5

<sup>1</sup> CE marked with European cord set. Not intended for use in US.

<sup>2</sup> UL, <sup>3</sup> CUL

#### ACCESSORIES

Model #	Description
SH759X1	Cassette Rack, holds 12 small IMS™ or 4 large IMS cassettes
TY759X2A	Large Tray (SterileMax accommodates up to 3 large trays)
TC759X1A	Temperature Verification Probe Assembly, Type K
PM20700	Digital Pyrometer
265656	Non-recirculation tank

## Chemiclave Chemical Vapor



EC5500



Control Panel



Vapo-Steril



Built-in Chemifilter

### *There's No Better Way to Extend the Life of Your Instruments!*

- Faster than conventional steam
- No drying cycle required
- No rust or corrosion of instruments
- ★ 24 Month Warranty

#### Product Description

- Automatic system starts sterilization cycle when unit reaches proper sterilization conditions.
- Electronic display times the 20-minute exposure phase and the purge phase.
- Automatic purge for removal of vapor from chamber before door is opened.
- No drying phase required.
- Easy to fill system for sterilant; prevents spillage.
- Built in chemipurge and chemifilter to slash emissions and eliminate odors.
- Dry packs and instruments at end of cycle.
- Preheated chamber reduces overall cycle time.
- ASME coded chamber ETL, CSA approved.
- Operates at 132°C and 20-40 psi.
- Sterilization cycle of 20 minutes.
- Easy-to-remove rack for quick cleaning.
- Proprietary solutions ensure consistent quality results.

#### PRODUCT SPECIFICATIONS

	Chemiclave EC5500	Chemiclave EC6000
Overall Dimensions (W x H x D)	16.5" x 14" x 23" (42 cm x 35.6 cm x 58.4 cm)	19.25" x 17.5" x 25.5" (48.9 cm x 44.5 cm x 48.9 cm)
Chamber Dimensions	8" dia. x 13.25" deep (20.3 cm x 33.7 cm)	10" dia. x 16" deep (25.4 cm x 40.6 cm)
Reservoir Capacity	37 fluid oz. (1.1 liters)	37 fluid oz. (1.1 liters)

	Chemiclave EC5500	Chemiclave EC6000
Heater Wattage	800 Watts	1200 Watts
Fixed Cycle Parameters	20 min. @ 132°C	20 min. @132°C
Operating Pressure	20 - 40 psi (138-276 kPa)	20 - 40 psi (138-276 kPa)
Operational Weight	59 lb. (26.8 kg)	120 lb. (54.55 kg)
Shipping Weight	73 lb. (33.1 kg)	134 lb. (60.8 kg)

#### ORDERING INFORMATION

Model #	Description
266270 <sup>1</sup>	EC5500 Harvey Chemiclave Chemical Sterilizer 120V, 60 Hz, 8 amp, 8" chamber

(All units include a chemifilter, chamber tray, tray handle, drain tube, chamber cleaner, indicator bags, tray liners and Chemitest indicators.) Vapo-Steril Solution sold separately.

<sup>1</sup>Units have European cord set.

<sup>1</sup> CSA

Model #	Description
266200* <sup>1</sup>	EC5500 Harvey Chemiclave Chemical Sterilizer 230V, 50 Hz, 4 amp, 8" chamber
266440 <sup>1</sup>	EC6000 Harvey Chemiclave Chemical Sterilizer 120V, 60 Hz, 12 amp, 10" chamber
266400* <sup>1</sup>	EC6000 Harvey Chemiclave Chemical Sterilizer 230V, 50 Hz, 6 amp 10" chamber

#### ACCESSORIES

Model #	Description
264253	Vapo-Steril® Solution (Case of four 4-packs)
261823	Dispenser Cap Assembly
231600201	Tray for Chemiclave EC6000
231550201	Tray for Chemiclave EC5500
261569	Chemi-filter (Pkg. of 1)
264255	Chemi-filter (Pkg. of 4) for Chemiclave EC5500 and EC6000

Model #	Description
260006701	Door Gaskets for Chemiclave EC6000, EM6000
280000301	Door Gaskets for Chemiclave EC5500, EM5500 (Replace once per year to assure best seal)

#### Tray Liners

231600401	Chamber Tray for Chemiclave EC6000 16" (40.6 cm) x 14" (35.6 cm) Box of 250
231550401	Chamber Tray for Chemiclave EC5500 12.75" (32.4 cm) x 11.5" (29.2 cm), Box of 500
231603001	See-Thru Tray: 8" (20.3 cm) x 11.125" (28.3 cm), Box of 250

## MC8/10 Steam



MC10

*Non-recirculating option keeps internal components and filters free of debris and contamination*



### Product Description

- Easy to set up; simple to operate one-touch controls.
- Easily accessible reservoir and removable racks and trays make cleaning easy.
- Built and tested to rigorous industry standards.
- MC10 chamber holds three 1 liter flasks.

### Easy-To-Program Tabletop Sterilizers!

- Self cleaning
- Compact design
- Choose from two chamber sizes; 8" or 10"
- One button, preset program cycles the unit from start to finish
- ★ 24 Month Warranty
- 4 preset cycles; wrapped, unwrapped, packs, and liquids and an automatic drying cycle.
- Closed-door drying protects against airborne contaminants.
- Special venting for liquids to reduce boil over; allows cycle to run under 45 minutes for EPA Standards.
- ASME coded chamber.
- Has received 510 (K) clearance.
- Optional printer for hard copy records.

### PRODUCT SPECIFICATIONS

	MC8	MC10
Overall Dimensions (W x H x D)	13.5" x 16" x 22" (34.3 cm x 40.6 cm x 55.9 cm)	16" x 18" x 23" (40.6 cm x 45.7 cm x 58.4 cm)
Chamber Dimensions	8" diameter x 14.5" usable depth (20.3 cm diameter x 36.8 cm usable depth)	10" diameter x 15.5" usable depth (25.4 cm diameter x 39.3 cm usable depth)
Tray Size	Large  Small	15.25" x 9" x 1.25" (38.7 cm x 22.8 cm x 3.2 cm) 14" x 6.25" x 0.88" (35.6 cm x 15.8 cm x 2.2 cm)

	MC8	MC10
Fixed Cycle Parameters		Liquids: 30 min. @ 121°C Unwrapped: 3 min. @ 135°C Wrapped: 5 min. @ 135°C Packs: 30 min. @ 121°C
Chamber Capacity	.42 cubic ft., 11.9 l	.7 cubic ft., 19.8 l
Operational Weight	55 lb (25 kg)	70.5 lb (32 kg)
Shipping Weight	73 lb (33 kg)	92 lb (42 kg)
Heater Wattage	1350 Watts	1425 Watts
Reservoir Capacity	3.0 l (approximately 3 qts.)	4.0 l (approximately 4 qts.)
Accessories Included:	Rack, 1 large tray, 1 small tray	

### ORDERING INFORMATION

Model #	Description	Electrical (50/60 Hz)	
		Volts	Amps
265560 <sup>1</sup>	Harvey MC10	120	12
265565* <sup>1</sup>	Harvey MC10	230	6
265588	MC10 with non-recirculating feature <sup>2</sup>	120	12
265589*	MC10 with non-recirculating feature <sup>2</sup>	230	6
265591 <sup>1</sup>	MC10D with built-in data logger	120	12
265840* <sup>1</sup>	MC10D with built-in data logger	230	6
265575	MC10D with non-recirculating feature and built-in data logger	120	12
265580*	MC10D with non-recirculating feature and built-in data logger	230	6

<sup>1</sup> CSA, <sup>2</sup>European Cord Set. Not intended for use in US.

Model #	Description	Electrical (50/60 Hz)	
		Volts	Amps
265595 <sup>1</sup>	Harvey MC8	120	12
265600* <sup>1</sup>	Harvey MC8	230	6
265610	MC8 with non-recirculating feature	120	12
265615*	MC8 with non-recirculating feature	230	6
265585	MC8 with built-in data logger	120	12
265617*	MC8 with built-in data logger	230	6
265608	MC8 with non-recirculating feature and built-in data logger	120	12
265612*	MC8 with non-recirculating feature and built-in data logger	230	6

Non-recirculating feature patent #5,480,623.

### ACCESSORIES

Model #	Description
265656	Non-Recirculating Feature for MC8 or MC10, retrofittable and easily installed.
260284	Datalogger Paper for MC units (Box of 6 rolls)
265593	Plug-in Data Logger for MC8
2-513025	Standard Tray Rack for MC10
265002	Standard Tray Rack for MC8
2-67811	Tray, large 9" x 15.25" (22.9 x 38.7), for MC10

Model #	Description
265001	Tray, small 6.25" x 14" (15.9 x 35.6), for MC8
232010202	Metal Polish, pint bottle with spray top (Case of 6)
232010102	Chamber Cleaner, pint bottle with dispenser top (Case of 6)
2-69904	Door Gasket for Harvey MC8 (Replace once per year to assure best seal)
2-513005	Door Gasket for Harvey MC10 (Replace once per year to assure best seal)
HRX5	Pouch Rack

## Harvey DI+ Water Pretreatment System



Harvey DI+



Remote dispenser provides pure water at your request when not using Harvey PV Dry.

### Quick Pure Water for Your Steam Sterilizer!

- Removes calcium, magnesium, and other ionic impurities that can harm your steam sterilizer
- Automatically fills and automatically drains sterilizer when used with Harvey PV Dry Steam Sterilizer

#### Product Description

- Easy to set up—quick fitting connectors connect directly to your faucet—requires no power.
- Compact—mounts to the wall for easy installation.
- Fast—produces up to 4 liters of pure water per minute.
- Reliable—Barnstead has been in the pure water market for over 125 years—trust the water expert.
- Low Cost—23 cents per gallon cost based on average tap water (171 ppm).
- No need to store containers of distilled water.
- Connect a Harvey DI+ system to your water source and pure water is available at your request.
- The new Harvey DI+ system incorporates nuclear grade resin enclosed in virgin polypropylene canister to purify tap water.

#### Operation

- Pura-lite notifies user when it is time to install new cartridge.
- Simple Maintenance—quarter-turn quick release canister.
- The Harvey DI+ water system provides pre-treated water for your steam sterilizer at the push of a button.

#### ORDERING INFORMATION

Model #	Description
AY1273X4	Harvey DI+, Dispenser, Pura-lite and cartridge
D502118	Harvey DI+ Replacement Cartridge
E3450	Pura-lite Water Meter

## Biological Indicators



*Sterilamp® II*

### *An Easy and Inexpensive Method to Verify Steam Sterilization Processes in Your Lab*

- Works with any steam sterilizer
- Results proven in 48 hours
- Save up to 60% of the cost of outside laboratory sterility tests



*B/T Sure® Biological Indicator*



*B/T Sure Biological Indicator Incubator*

#### **Product Description**

- Verify the sterility of your instruments, vials, media, liquid cycles and other products in less time than it takes to send samples to an outside lab.
- Obvious color change from purple to yellow indicates an ineffective sterilization process.
- Two biological indicators to choose from: 1) for media and liquids 2) for instruments, glassware and other applications.

#### **For Media and Liquids**

- Sterilamp II Biological Indicators with spore populations of  $10^6$ .
- Available in boxes of 25 or 100.

#### **For Instruments, Glassware and Other**

- B/T Sure Biological Indicators with spore populations of  $10^5$ .
- Other spore populations are available upon special request.
- Comply with current AAMI and ISO standards.

**Includes FREE Incubator  
With Purchase of 500 Indicator Vials**

### **ORDERING INFORMATION**

#### *Harvey Sterilization Process Validation Indicators*

Model #	Description
<b>Biological Indicators for Instrument Glassware and Other Product Verification</b>	
AY759X1	B/T Sure Biological Indicator (Box of 5 Indicator vials) Spore population 105
AY759X3	B/T Sure Biological Indicator (Box of 100 Indicator vials) Spore population 105
AY759X8	B/T Sure Biological Indicator (Box of 100 Indicator vials) Spore population 106
<b>Biological Indicators for Media and Liquid Cycle Verification</b>	
AY759X4	Sterilamp II Biological Indicators (Box of 100) Spore population 106
AY759X7	Sterilamp II Biological Indicators (Box of 25) Spore population 106
<b>Incubator for Processing Harvey Biological Indicators</b>	
DB104115 <sup>1,2</sup>	B/T Sure Biological Indicator Incubator, 120V
DB104110-33	B/T Sure Biological Indicator Incubator, 240V

<sup>\*</sup>Sterilamp® II is a registered trademark of SGM Biotech.

<sup>1</sup> UL, <sup>2</sup> CUL

## Temperature Indicators



Chemitest™



Chemitest Pouches

### Simple Daily Monitor for Your Sterilizer!

- Verify your sterilizer's temperature with every cycle

#### Product Description

##### Chemitest See-Thru Pouches

- Available in six sizes to meet all your needs.
- Self sealing edges.
- Perforation on adhesive strip ensures a stronger seal.
- Solid rails on sides for strong seal—easy to open.
- Used for steam, ethylene oxide, or chemical vapor sterilization.
- Medical grade paper.

##### Daily Temperature Verification Accessories

- Available in strips or tape.
- Color change indicates that your sterilizer has reached the proper temperature.
- Indicators assure that items being processed have been run through a cycle, preventing the accidental use of items which have not been processed.
- Alternate the use of Harvey Temperature Indicators with the Harvey sterilization process validation procedure for guaranteed assurance of your sterilizer's performance.

## ORDERING INFORMATION

### Instrument Packaging for Clean Process and Temperature Verification

Model #	Description
230300001	Self-Sealing Chemitest Indicator Paper Bags, Tray Size Box of 150 - 5" W (12.7 cm) x 2" H (5.1 cm) x 15" L (38.1 cm)
230301001	Self-Sealing Chemitest Indicator Paper Bags, Instrument Size Box of 250 - 2.5" W (6.4 cm) x 1.5" H (3.8 cm) x 10.5" L (26.7 cm)
ZSX152	Self-Sealing Chemitest See-Thru Indicator Pouches Box of 200 - 2.25" x 5" (5.7 cm x 12.7 cm)
ZSX153	Self-Sealing Chemitest See-Thru Indicator Pouches Box of 200 - 2.75" x 10" (7 cm x 25.4 cm)
ZSX155	Self-Sealing Chemitest See-Thru Indicator Pouches Box of 200 - 3.5" x 10" (8.9 cm x 25.4 cm)
ZSX156	Self-Sealing Chemitest See-Thru Indicator Pouches Box of 200 - 5 .25" x 11" (13.3 cm x 27.9 cm)

## ACCESSORIES

### Temperature Verification (Include in every sterilizer load for daily confidence.)

Model #	Description
AY759X2	Chemical Indicator Strips - Box of 250, Steam Sterilizers only
260577	Chemitest Indicator Tape-Closure system for packs, bags or other containers, 1.25" (3.2 cm) x 360" L (914.4 mm) Roll
230305001	Chemitest Indicator Strips - Box of 250, Chemiclave Sterilizers only
230306001	Chemitest Indicator Tabs, Roll of 250 self-adhering tabs 1.25" (3.2 cm) sq.