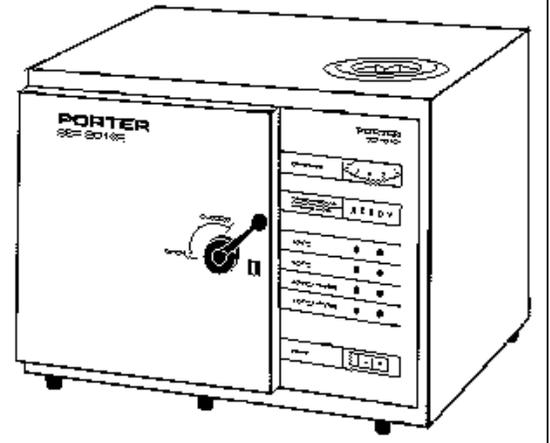


48-35 Porter SES 2012EP Sterilizer (Project 95-36) (4/96)

The Porter SES 2012EP is a fully-automated, microprocessor-controlled sterilizer with a 12-inch, round, seamless, stainless steel chamber. The exterior dimensions of the sterilizer are 20.6 inches high by 23.6 inches wide by 22.1 inches deep (without handle), 24.5 inches deep (with handle). The system operates at 240 volts \pm 5%, 60 Hz with a loading of 3 kW, or 208 volts \pm 5%, 60 Hz with a loading of 2.6 kW (switch selectable). The unit can be configured for plug-in or hard-wired connection. The microprocessor-controlled limits are constantly monitored to assure proper sterilization for each cycle selected. The controller sequences the complete cycle at the touch of one of the four icon-marked program selector buttons. Upon completion of the sterilization cycle, the unit exhausts and a brief audible signal is heard. All sterilization parameters (e.g., date, time, pressure and temperature) can be recorded on an optional printer. The digital display shows operating limits during use and error codes for testing and trouble shooting. Displayed error codes are accompanied by an audible signal.



Letter designations "SES," "2012," and "EP," represent Steam, Electric, Sterilizer, 2000 Series with a 12-inch round chamber, Electronically controlled with Printer, respectively. The sterilizer is UL (Underwriters Laboratory) listed , Canadian (UL) Listed, and A.S.M.E. (American Society of Mechanical Engineers) approved.

Manufacturer/Source:

Porter Instrument Company, Inc.
245 Township Line Road
Hatfield, PA 19440-0907
(215) 723-4000
(215) 723-2199 (FAX)

Marketed by:

Professional Sales Associates, Inc. (PSA)
345 Market Place, Suite 103
Atlanta, GA 30075
(404) 552-7664
(404) 552-8557 (FAX)
Contact: William R. Zehfuss
VA Contract Number V797P-3033k
Contract Period: 1 April 94 to 31 March 98

Suggested Retail Price:

SES 2012 Series (12 inch x 14 inch chamber)
\$6,400.00 with printer, 5 trays, and rack. (EP model)
\$5,800.00 without printer, 5 trays, and rack. (E model)
SES 2000 Series (8 inch x 14 inch chamber)
\$4,480.00 with printer, 5 trays, and rack. (EP model)
\$3,880.00 without printer, 5 trays, and rack. (E model)

Government Price:

SES 2012 Series (12 inch x 14 inch chamber)
\$4,160.00 with printer, 5 trays, and rack. (EP model)
\$3,770.00 without printer, 5 trays, and rack. (E model)
SES 2000 Series (8 inch x 14 inch chamber)
\$2,540.00 with printer, 5 trays, and rack. (EP model)
\$1,940.00 without printer, 5 trays, and rack. (E model)

ADVANTAGES:

- + Microprocessor controlled for accurate cycle management.
- + One-button operation.
- + Has resident diagnostics and provides a hard copy to aid servicing.
- + Brief preheating period shortens cycle duration.
- + Eight-point, articulated, locking mechanism prevents door gasket warpage and assures sealing.
- + Optional printer provides documentation of sterilization parameters.
- + Reservoir can be easily and completely drained for cleaning.
- + Reversible door gasket.
- + Exterior is easy to clean and requires minimal maintenance.
- + Standard interchangeable parts can be used during service.
- + Design allows for easy access for service and maintenance.
- + Operating and servicing instructions are simple and easy to understand.
- + Can be back flushed which aids in cleaning.
- + Construction is of high quality.

DISADVANTAGES:

- Capacity is less than expected based on external size.
- Large footprint.
- Limited on-site parts replacement increases factory service requirements.
- Tools are required for cleaning reservoir.
- Difficult to replace control panel.
- Battery replacement requires service personnel.
- Unable to process liquids.
- Unit is heavy (185 pounds).
- Special tools are required to replace heating element.
- Service manual lacks exploded parts diagram.

SUMMARY AND CONCLUSIONS:

The Porter SES 2012EP is an automated stand-alone or counter-top sterilizer with a round, seamless, one-piece stainless steel chamber. Because it is microprocessor controlled, operating and monitoring the unit is easy and accurate. Its large digital display is easy to read from a distance and informs users of operating status as well as system errors. The SES 2012EP is capable of processing four standard dental cassettes and one small tray or eight small cassettes and one small tray. It has an optional coil rack that can be used to hold instruments in paper or plastic/paper packs vertically to facilitate drying. The sterilizer operates at 208/240 volts which shortens its preheating period and reduces overall cycle duration. The unit's stainless steel cover makes it easy to maintain and blends with any decor. The sterilizer's large footprint and size may present a problem if counterspace is at a premium. During the unit's four-month clinical-user evaluation, it performed extremely well. The **Porter SES 2012EP Sterilizer** is rated **Acceptable** for use by the federal dental services.