



Providing Quality Stills and Sterilizers Since 1948



**CONSOLIDATED
STILLS & STERILIZERS**



**The Mark V
Microcomputer Control Center**

Consolidated Still and Sterilizers
 Thursday April 24, 2003 4:01:09 PM Cycle count - 4
 Actual Setting JACKET PRESSURE IS ON
 JACKET PRESSURE - 30.9 30.0 psi AUTO JACKET CONTROL IS ON
 CHAMBER TEMP - 270.0 270.0 F
 TIME - 3 20 min DOOR - CLOSED
 CHAMBER PRESSURE - 28.4 SECONDARY DOOR - CLOSED
 CURRENT CYCLE IS FAST CONDITIONING CYCLES - PREVAC - POSTVAC

EXECUTING SELECTED CYCLE

STERILIZER RUNNING, TOUCH ANY KEY TO STOP

Consolidated Still and Sterilizers
 Thursday April 24, 2003 11:17:01 AM Cycle count - 4
 Actual Setting JACKET PRESSURE IS ON
 JACKET PRESSURE - 30.9 30.0 psi AUTO JACKET CONTROL IS ON
 CHAMBER TEMP - 79.6 270.0 F
 TIME - 0 20 min DOOR - CLOSED
 CHAMBER PRESSURE - 0.0 SECONDARY DOOR - CLOSED
 CURRENT CYCLE IS DRY CONDITIONING CYCLES - PREVAC - POSTVAC

DRY CYCLE PARAMETERS

1) Jacket pressure setting 20.0 psi
 2) Chamber temperature setting 250.0 F
 3) Sterilizing time 5 min
 4) Pre-cycle conditioning phase NONE
 5) Post-cycle conditioning phase TIMED POSTVAC

Modify value or exit

Consolidated Still and Sterilizers
 Thursday April 24, 2003 2:08:21 PM Cycle count - 4
 Actual Setting JACKET PRESSURE IS ON
 JACKET PRESSURE - 30.9 30.0 psi AUTO JACKET CONTROL IS ON
 CHAMBER TEMP - 79.6 270.0 F
 TIME - 0 20 min DOOR - CLOSED
 CHAMBER PRESSURE - 0.0 SECONDARY DOOR - CLOSED
 CURRENT CYCLE IS FAST CONDITIONING CYCLES - PREVAC - POSTVAC

CYCLE SELECTION MENU

You have accessed the cycle selection menu. Choose the desired cycle from the list presented. You will then be able to review the current settings for the cycle and modify them if desired.

Press any key to exit



The Mark V Puts You in Command

Take total command of sterilization with the Mark V Microcomputer Control Center. This complete menu-driven system enables you to program and monitor sterilizer functions with a degree of sophistication not possible with any other system of its kind.

The Mark V allows selection of sterilizer cycles and values, displays current machine status, executes selected cycles and prints a complete record of all parameters and status.

Picture Perfect Sterilization

The Mark V control screen displays all instructions and options and provides a clear picture of temperature, pressure, vacuum, cycle times and other parameters throughout the entire sterilization procedure. A full 80 column x 25 line CRT display allows you to observe all crucial sterilization data on one full screen. This feature eliminates the task of scrolling through an endless maze of menus.

A numeric keypad allows you to select parameters and options displayed on the menu.

Intelligent Alarms

The Mark V signals operator error (e.g., inputting invalid cycle times) and constantly monitors all external transducer inputs. It automatically displays any malfunction and its exact cause on the control screen and discontinues sterilizer operation if indicated.

A steam deviation table within the software determines whether the temperature reading is within 5 p.s.i. of the corresponding pressure in the chamber. An alarm condition will indicate that an error is detected.

Permanent Record

The printer generates a complete permanent record of each cycle—time and date, temperature, pressure and vacuum at user-selected intervals. Status messages are also printed as the sterilizer changes state. A cycle summary is printed at the end of each cycle listing all actual cycle times as well as minimum and maximum sterilization temperatures.

Additional Mark V Features

- On-board battery back up ensures that all machine and cycle settings are retained even with loss of AC power.
- Self diagnostic system checks for component malfunction before and during each cycle for ease of maintenance.



Full 80 column x 25 line CRT display

16 character membrane key-pad

24 column alphanumeric printer

RS - 232 serial port

- A HELP button is available for all screen instructions and menus. At the touch of a button, a full explanation of features encountered in present menu is displayed. This will reduce the learning curve for the end-user considerably. See the preceding page for a sample of a help screen describing the "cycle selection" menu.

- Automatic jacket control allows user to turn jacket power on and off at pre-set times for each day of the week. Machine will be warmed up and ready for use every day at desired time.

- Key authorization codes allow supervisors to block access to various menu functions, preventing unwanted changes to cycle parameters.

- An alphanumeric printer will provide a permanent, hard copy record of all sterilization data.

Optional Mark V Features

- Impact printer with take up spool, is available as a substitute for the low cost alphanumeric printer.

- RS-232 port allows user to store all sterilization data, as it appears on the printer, on external memory (e.g. desktop computer memory).

- Pre-programed cycle menu allows storage of up to 18 different cycles, including all pre- and post-

conditioning phases, in memory, for easy access.

- Capability to support specialized sterilization cycles such as: pre-vacuum, pulse-vacuum, post-vacuum, low-temperature, streaming steam, and liquid-cycle rapid-cooling is available.

- Chamber flood condition detector will alarm the user of a flood condition in the chamber caused by a plugged drain, etc.

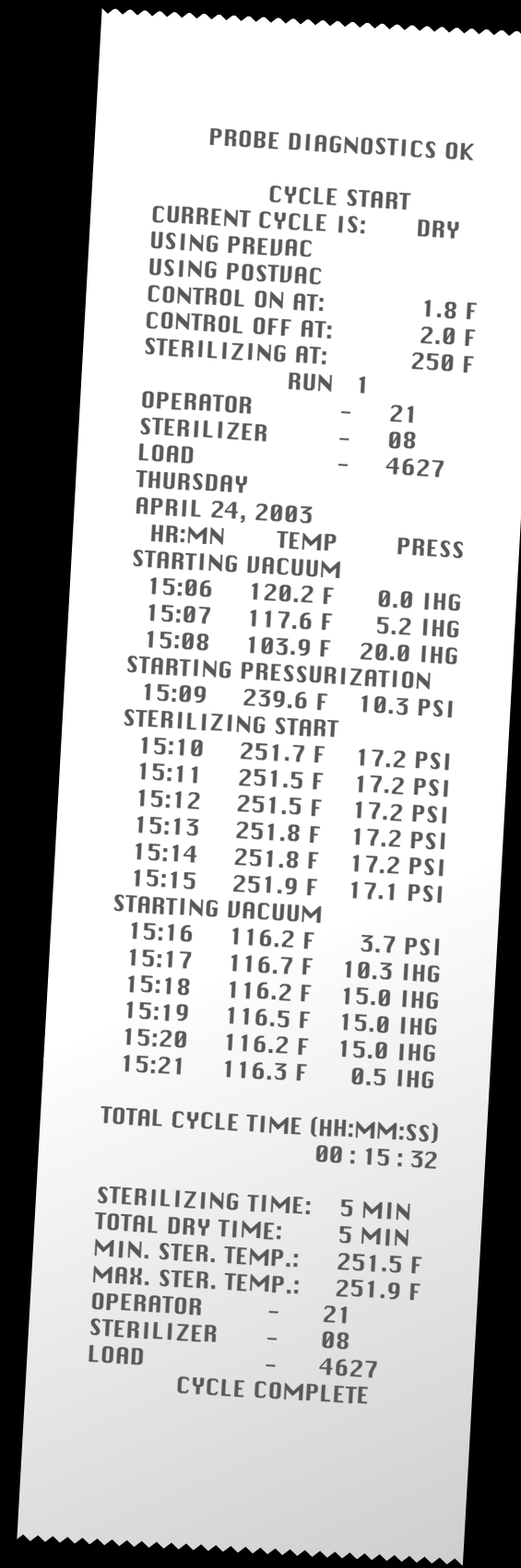
Trim Line Mark V Microcomputer Control Center

The Trim Line is simple to use, easy to maintain and priced to fit your budget. The design has simplified and minimized plumbing and wiring, substantially lowering maintenance and replacement costs.

This compact control center is particularly suitable for users with limited space. It displays temperature, pressure, cycle times, and other parameters in real time on a single CRT screen.

The Trim Line Mark V Control Center can be used with any Consolidated sterilizer and will fit into Steris™* and other sterilizer profiles.

* Steris™ is a trademark of Steris Corporation



Use Mark V with any Size Consolidated Sterilizer

The Mark V Microcomputer Control Center can be provided for any size and model Consolidated pressure sterilizer. The tables on the right display the different sizes and shapes of pressure sterilizers available from Consolidated.

We manufacture both direct steam and electrically heated sterilizers. Steam heated units are available for facilities which have a building steam supply of 50 – 80 p.s.i. Each electrically heated unit is equipped with either an integral or separate steam generator. Our sterilizers are available with recess paneling (for recessed installation) or stainless steel cabinet mounting (for stand-alone operation).

Put More Than Half of a Century of Industry Leadership to Work for You

Consolidated has built and marketed sterilizers since 1948. Our commitment to manufacturing high quality, low cost, and low maintenance equipment has earned us a very satisfied customer base as well as a position as an industry leader.

Minimize Your Start Up and Maintenance Costs

An advantage to purchasing a Consolidated sterilizer is our use of off-the-shelf components in our machines to minimize down time and service costs to our valued customers. Almost all of the valves, low-water cutoff internals and steam traps used in our machines are available from your local service representatives. Please inquire about our custom manufacturing capabilities. We build machines to suit your needs.



Select from the Following Models:

Sterilall[®] Cylindrical Sterilizers

Sterilall[®] Double Wall Sterilizers

Model No.	Door Opening Diameter (inches)	Length (inches)	Capacity (cu. inches)	Est. Shipping Wgt. (lbs)
16-D-24	16	24	4,845	600
16-D-36	16	36	7,230	690
20-D-36	20	36	10,800	925
20-D-48	20	48	15,100	1,025
24-D-36	24	36	15,552	1,200

Sterilall[®] Single Wall Sterilizers

L-6	16	24	4,845	450
L-7	20	36	10,800	700

Square, Rectangular and Bulk Sterilizers

Square Sterilizers - available for use with direct steam or electric generator

Model No.	Inside Dimensions (inches)			Capacity (cu. inches)	Est. Shipping Wgt. (lbs)
	Width	Height	Length		
SSR-2A	16	16	26	6,656	1,150
SSR-3A	20	20	38	15,200	1,650

Square sterilizers are available with all stainless steel construction for use in tissue culture work and for indirect steam operation. Sterilizers utilizing water ring vacuum pump or pulse ejector to improve drying are also available.

Rectangular and Bulk Steam Sterilizers

Minimum design steam pressure is 40 lbs. unless otherwise specified

SR-24A	24	24	36	20,726	2,300
SR-24B	24	24	48	27,648	2,500
SR-24C	24	36	36	31,104	2,700
SR-24D	24	36	48	41,472	3,150
SR-24E	24	36	60	51,840	3,600

Larger units available upon request.

For complete information, including description of standard sterilizer equipment and accessories, please refer to our Sterilizer Product Catalog.



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