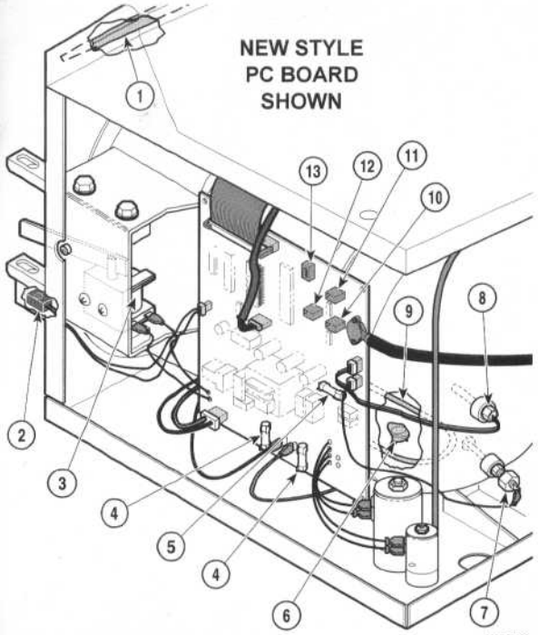


CHART 2 - ELECTRICAL COMPONENT LOCATION

1) Display PC Board
2) Door Switch
3) Pulse Solenoid
4) Line Fuses
5) Printer Fuse
6) Overheat Thermostat
7) Water Level Sensor
8) Temperature Sensor
9) Heating Element
10) Pressure Zero Potentiometer
11) Temperature Potentiometer
12) Pressure Range Potentiometer
13) Dry Cycle Dip Switch

CHART 3 - PRESSURE / TEMPERATURE

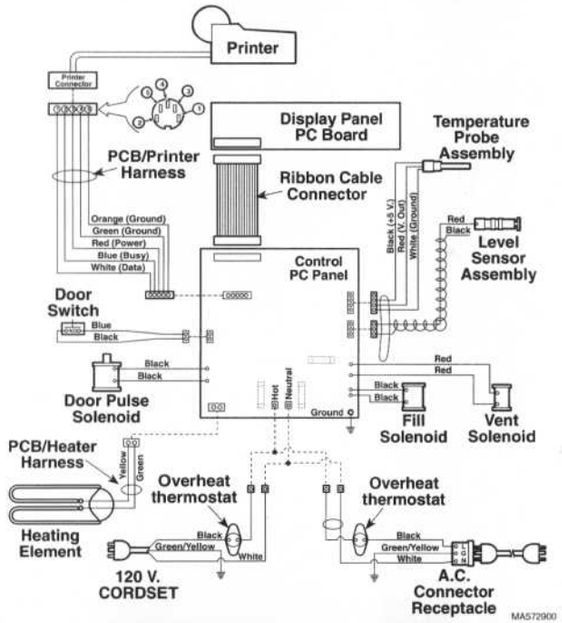
PSI	°C	°F	PSI	°C	°F
0	100.0	212.0	16	122.0	251.6
1	101.9	215.4	17	123.0	253.4
2	103.6	218.5	18	124.1	254.4
3	105.3	221.5	19	125.0	257.0
4	106.9	224.4	20	126.0	258.8
5	108.4	227.1	21	126.9	260.0
6	109.8	229.6	22	127.8	262.0
7	110.3	232.3	23	128.7	263.7
8	112.6	234.7	24	129.6	265.3
9	113.9	237.0	25	130.4	266.7
10	115.2	239.4	26	131.3	268.3
11	116.4	241.5	27	132.1	269.8
12	117.6	243.7	28	132.9	271.2
13	118.8	245.8	29	133.7	272.7
14	119.9	247.8	30	134.5	274.1
15	121.0	249.8	31	135.3	275.5

M9 / M11 DOOR OPENING TEST

NOTE: *This test will only verify that the door opening relay on the main PC is working. The complete cycle must be run to verify power operation of sensors and latching mechanism.*

1) Fill chamber with water (To do this, start any cycle. After chamber has filled with water, the sterilizing LED will illuminate.)
2) Disconnect power cord.
3) Open door.
4) Depress STOP and POUCHES button while reconnecting power cord.
5) Depress all buttons from left to right across the display panel.
6) Close the door. (This will, in sequence, activate all relays in the sterilizer).
7) To rerun procedure, repeat steps 2 through 6.

ELECTRICAL SCHEMATIC



SPECIFICATIONS

M9 Capacity:
Water Reservoir (Approx.) 7/8 gal. (3.31 Liters to full mark)
M11 Capacity:
Water Reservoir (Approx.) 1.25 gal. (4.73 Liters to full mark)
M9 & M11 Electrical Requirements:
115 VAC Unit ..... 110 - 120 VAC 50 - 60 HZ, 15 amp, single phase
230 VAC Unit ..... 220 - 240 VAC 50 - 60 HZ, 7 amp, single phase

SPECIFICATIONS (cont'd.)

Electrical Recommendations:
A separate (dedicated) circuit is recommended for this sterilizer. The sterilizer ***should not*** be connected to an electrical circuit with other appliances or equipment unless the circuit is rated for the additional load. May use 15 amp surge protector.

Cleaning Recommendations:
Weekly.....Drain water and refill with new distilled water.
Monthy.....Run Speed-Clean solution through sterilizer.

Power Consumption:
115 VAC Unit ..... 1425 WATTS, 12 amps @ 120 VAC
230 VAC Unit ..... 1500 WATTS, 7 amps @ 240 VAC

Chamber Pressure:
Operating 27 - 31 psi (186 - 215 kPa)
Minimum Before Door Is Released..... 0.7 psi (5 kPa)
Maximum Before Safety Valve
Opens (older units)..... 35 psi (241 kPa)
Maximum Before Safety Valve
Opens (newer units)..... 40 psi (275.7 kPa)

Chamber Temperature (Operating):
Unwrapped Cycle ..... 272-273 °F (134 °C)
Pouches Cycle ..... 272-273 °F (134 °C)
Liquids Cycle ..... 252-253 °F (123 °C)
Packs Cycle..... 252-253 °F (123 °C)
Max. Before Thermostat Energizes..... 295 °F (146 °C)

CHART 4 - M9 / M11 DRY CYCLE DIP SWITCH CONFIGURATIONS

NOTE: *Unplug the unit prior to repositioning switches. Arrow denotes side of switch to depress.*

Setting 1 COOLEST
#3 to right (ON)
#4 to right (ON)

Setting 3 WARM
#3 to left (OFF)
#4 to left (OFF)

Setting 2 COOL
#3 to left (OFF)
#4 to right (ON)

Setting 4 WARMEST
#3 to right (ON)
#4 to left (OFF)

NOTE: If the unit continues to overheat in the lowest standard setting **(Setting 1)**, the #2 switch can be moved to the right (ON) position to make the dry cycle even cooler.

MIDMARK®

M9 & M11 STERILIZER QUICK REFERENCE SHEET

When calling for service please have the following information available:

- Model Number
- Serial Number
- Description of problem

PHONE NUMBER.....1-800-MIDMARK (643-6275)
- **PARTS ORDERING {ext. 8911}**
- **MEDICAL TECH SERVICE {ext. 8912}**
- **DENTAL TECH SERVICE {ext. 8913}**
- **STERILIZER TECH SER. {ext. 8925}**

SERVICE DEPT. FAX NUMBER.....1-877-249-1793

004-0254-00 Rev. D