

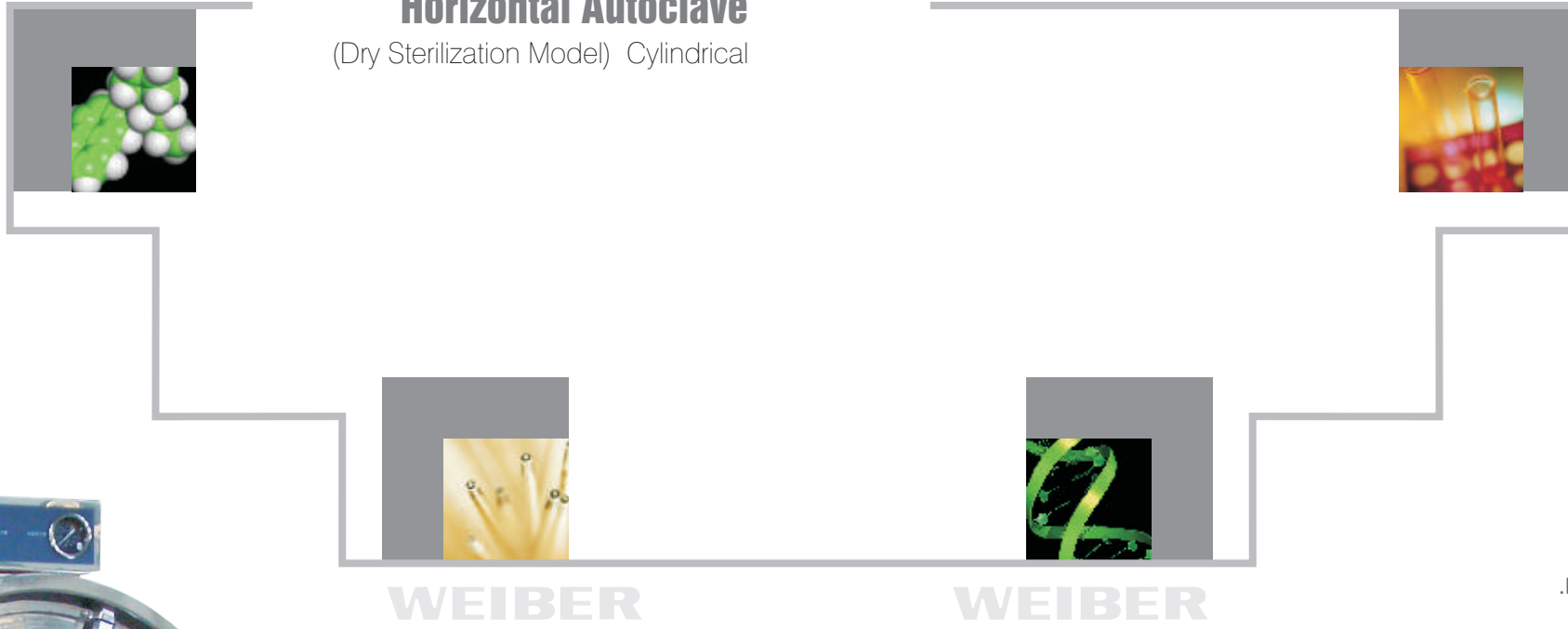
# Horizontal Autoclave

(Dry Sterilization Model) Cylindrical



**WEIBER**

## Horizontal Autoclave (Dry Sterilization Model) Cylindrical



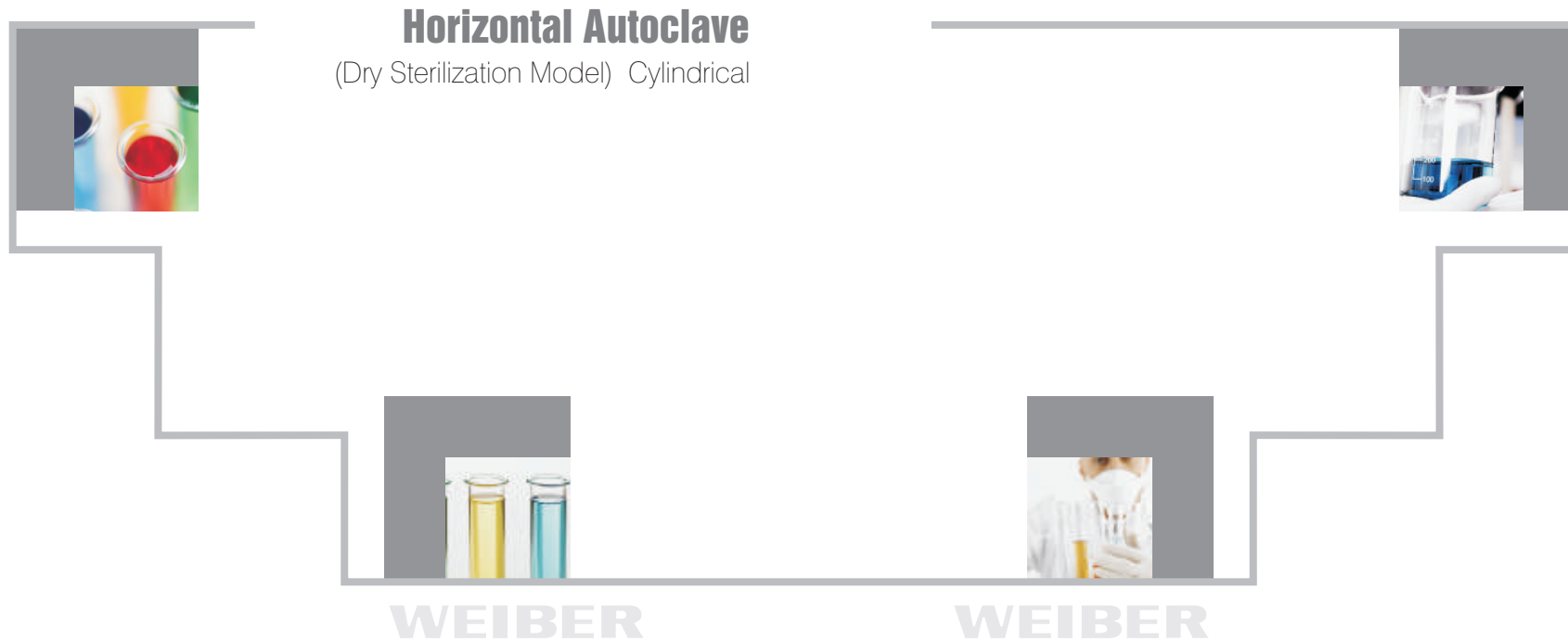
Models : Acm-32063 - A

### .Introduction

Weiber is a name of quality and quick service, an asset to Hospitals, Pharmaceutical, Tissue culture, Bio-fertilizer Laboratories and research institutes with modest sterilizing needs, where contaminated objects require sterilization. Since last 25 years OBROMAX have made its primary objectives to help fight the spread of infections, caused by pathogenic micro-organisms. We represent most innovative and advanced technologies in our products supported by our most efficient customer support network.

### Construction

The unit has outer chamber, Boiler, Lid and Jacket - all made of 304-grade stainless Steel. The jacket is made of SS-304 grade s.steel sheets. For controlling sterilization cycle, a three-way valve or a multiport valve/three way valve - made of S.S./Brass is provided. It is supplied complete with vacuum breaker, water level indicator, steam trap and automatic pressure control switch. The whole unit is mounted on a robust tubular stand made of mild steel pipes, duly painted with attractive stoving enamel, air drying paint..



## Horizontal Autoclave

(Dry Sterilization Model) Cylindrical

To work on 1/3 Phase, 440 Volts A.C. Supply.

### Mode of Heating:

Electrically heated by special flange type/immersion type heaters bearing ISI mark, to work on 220 volts single phase 50 cycles.

### Working Pressure

The pressure inside the chamber is variable from 5 psi. to 20 psi. But the normal recommended pressure for sterilization process is 1.2 kgf/cm sq.g ( 15 psi - 17 psi )

### Working Temperature

121° C / 134° C

### Hydrotest Pressure

2.5 kgf/cm sq.g (35 psi)

### STANDARD CONTROLS:

#### Door:

Single door shall be fitted with radical shooting arm

### Accidental Vacuum Breaker:

A safety device so jacket against accidental vacuum in it and to remove residual air from it.

### Safety Valve:

A safety device against excess pressure in jacket and steam generator.

### Dial Type Thermometer:

Indicates sterilization temperature.

### Chamber Condensate Line:

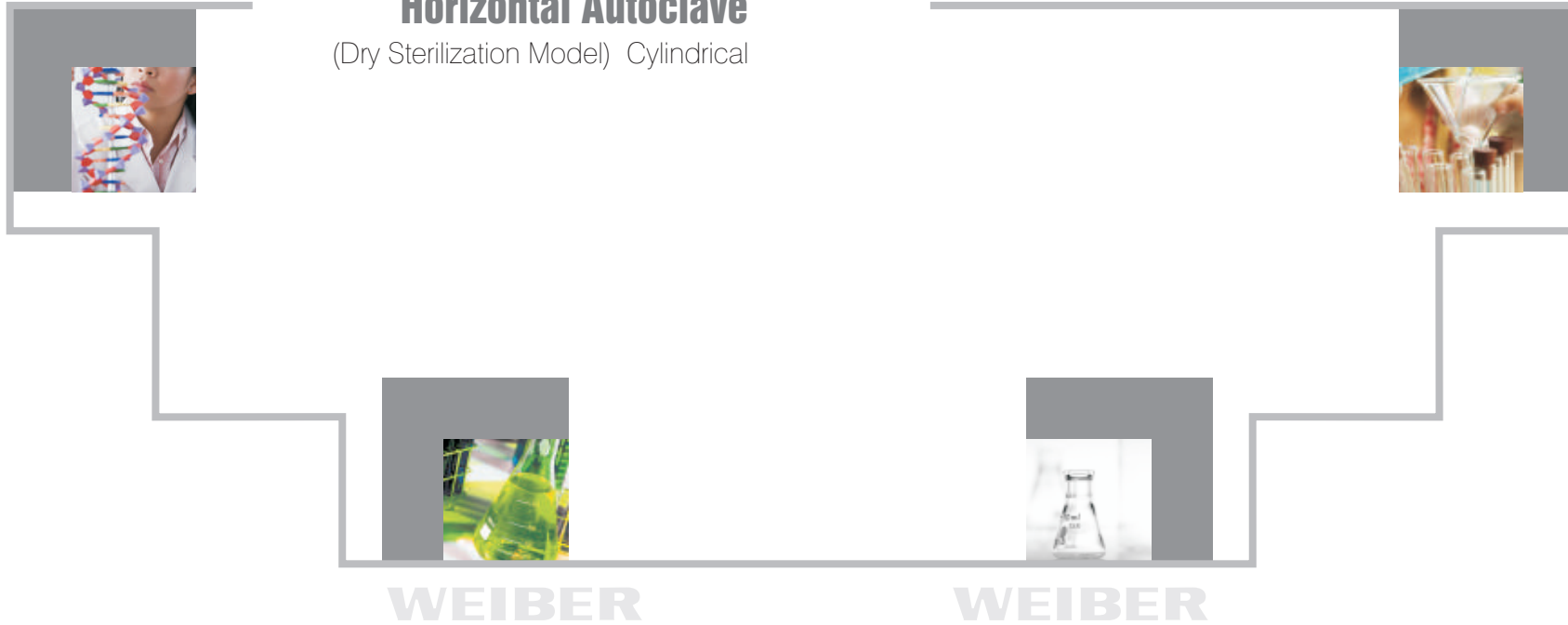
Incorporated with spiral thermostatic steam trap and check valve for perfect condensation from chamber to achieve optimum temperature.

### Pressure & Compound Gauge

Indicates jacket and chamber pressure / vacuum respectively.

Working Chamber	
250mm x 450mm	(22 ltrs)
300mm x 500mm	(35ltrs)
350mm x 550mm	(50ltrs)
450mm x 600mm	(98 ltrs)
550mm x 750mm	(152 ltr)

## Horizontal Autoclave (Dry Sterilization Model) Cylindrical



### Steam Generator (Boiler)

- Shall be attached to underneath the jacket. It shall be fitted with -
- ISI marked water immersion type industrial heating elements.
- Water inlet & outlet valves.
- Water level indicating gauge glass with SS guard
- Automatic pressure state switch to control the boiler/jacket pressure.

### Electrical Control Box:

Equipped with air break contractor of 'CUT. HAMM' make, toggle switch and two nos. indicating neon lamps.

### OTHER FEATURES:

**Automatic Pressure Control Switch** - This semi-automatic device controls the pressure inside the chamber mechanically and cuts-off the current from the heating elements, when the desired/ set pressure value level is attained inside the chamber and restarts the mechanism once the pressure inside the chamber falls from the desired level.

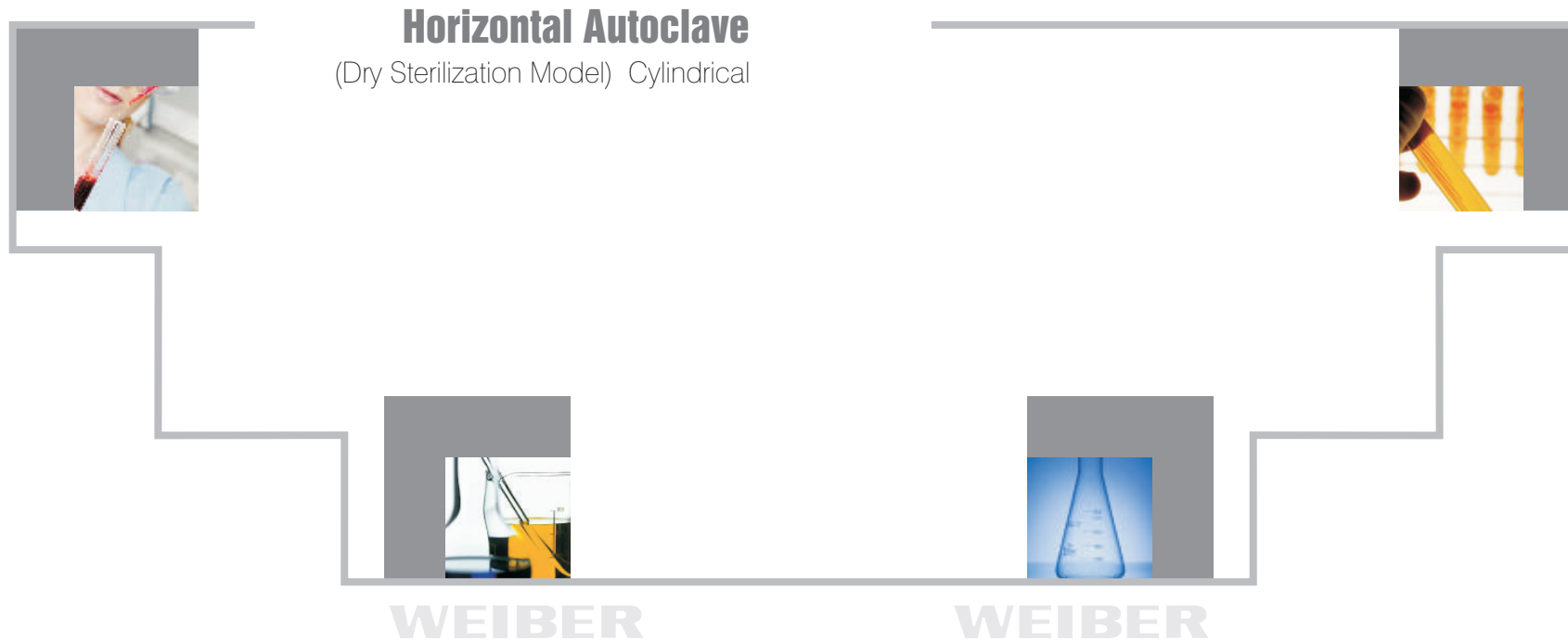
### Optional Accessories (Basic)

1. Automatic Pressure Control Switch - This semi-automatic device controls the pressure inside the chamber mechanically and cuts-off the current from the heating elements, when the desired/ set pressure value level is attained inside the chamber and restarts the mechanism once the pressure inside the chamber falls from the desired level.

2. Automatic low Water Cut-off Device - This device is a safety device which protects the heaters from running dry. This device ensures that the machine is automatically switched off in case the desired water level falls below the prescribed level.

3. Mechanical Timer with Alarm System - This is a semi-automatic device which is initiated once the pressure level inside the chamber reaches the desired value, it regulates the sterilization time of the media to be sterilized and when the desired time is passed, it activates the buzzer, which indicates that the sterilization cycle is complete and media can be extracted.

Dimensions
(Dia) x (Depth)
400mm x 600mm
500mm x 900mm
550mm x 750mm
400mm x 1100mm
500mm x 1200mm
600mm x 1200mm
750mm x 1200mm



#### Temperature Chart Recorder

These self-contained, easy-to-use recorders provide a permanent record of temperatures, using a precise, spiral-wound bi-metallic strip transducer. All models include an on/off switch, locking door and built-in slot for an optional tie-down cable and lock. All include one "AA" battery, pen, starter box of 60 charts and manual. All come standard with one-point NIST traceable Certificate of Calibration.



#### Microprocessor Based Programmable Temperature

Our digital Controllers offer high speed, high precision, and multiple I/O and use a 5-digit, 3-row LCD display for high visual clarity.



#### Universal Digital Data Recorder system Without Computer (Complete Unit)

**Data Carrier** - Zero powered, pocket size device- facilitates extraction of stored records for transportation to remote data reader.

**Data Recorder** - (6 channel) A sleek, tabletop device (data logger) - is provided with one input and two output ports.

The input port reads data from the attached data carrier. The printer port facilitates direct hard copy record of the data from data carrier on 80/132-column dot matrix printer. The PC communication port (RS 232 C) facilitates downloading data from data carrier to PC.

**PC Software** - A user-friendly PC software package reviews and analyzes data and enables you to generate records and plot graphs in a variety of ways. (licensed software with hardware lock)

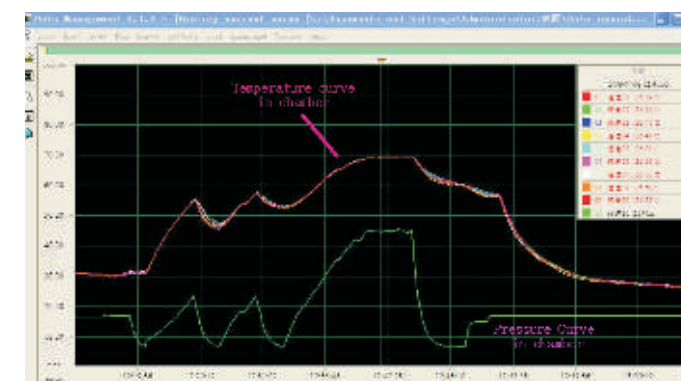
#### Conversion to Fully Automatic PLC based System



Cg100 Integrated PLC&HMI controller. 16 channel Digital Inputs, 12 Channel Digital outputs, 2 Analog Inputs, 1 Analog output, 1 High Speed Counter Input, 4x20 character LCD display, 6 programmable function keys, 10 numeric data keys, 5 navigation keys. CG100 can be programmable with Microsoft PLC editor program which runs under Windows versions. The IO capacity can expand via expansion modules. The modules Dig. inputs, Outputs, Analog inputs, outputs, PT100 sensor, Thermocouple inputs, Load cell inputs

#### Temperature Graph Representation

**Price:** This module can convert any model of the vertical autoclave into fully automatic PLC based sterilizer with advanced validation and data logging features with auto and customized program functions.





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