equitron®

Fully Automatic Autoclave
with Documenting

Applications:

❖ *EQUITRON* Fully Automatic Vertical Autoclaves are ideal for all critical applications requiring assured and reliable total destruction of all living microorganisms.

❖ Ideal for Pharma QC / QA / Micro / R & D, Chemical Plants, Bio-Labs, Waste treatment, Water & Air Pollution Labs, Fisheries, Mineral Water, Food, Beverage & Distillery Plants, Flight Kitchens, Hotels, Hospitals, Nursing Homes, Polyclinics, specialty Doctors and all applications requiring assured sterilization.

EQUITRON Advantages:

❖ Enables reproducibility of results as full cycle including purging of stale air, sterilizing hold time, cycle end with exhaust of pressure is automatic, requiring no human intervention.

❖ Inbuilt online printing facility. (Printer is part of standard supply).

❖ Supplied with Test Certificates & calibration reports along with Traceability for Temperature Controller and Pressure Gauge.

Construction:

• Inside and outside chamber, carrier(s) are fully stainless steel.

• Hydraulically die pressed lid.

• Lid, flange, fly screw, cross pin, heater cover stand, are also fully stainless steel.

• All internal joints are argon welded, ground and polished to give crevice free internals.

The #1 Fully Automatic Autoclave

Standard Features:

Electronics and Electrical

• Programmable logic controller with time and temperature user settable.

• Graphic LCD display, displays all information including process and set values at a glance, eliminating guesswork.

• Operating and Display range up to 122°C (135°C for model #7433) in 0.1°C resolution.

• Pt100 sensor, enabling precise monitoring.

• Low water level alarm and cut off.

• Sensor open alarm.

• End of cycle buzzer and auto reset.

• Miniature Circuit Breaker for On/Off plus safety.

• Solenoid Valve for automatic purging and exhaust.

• Industrial grade energy efficient ring type heater, custom made for *EQUITRON* Autoclaves, thus reducing power bills by 16 to 40%.
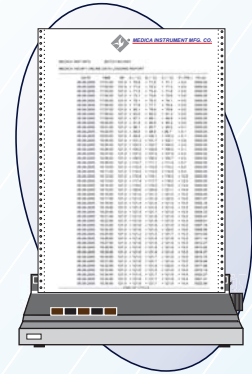
Mechanical

- Lid is fitted with Pressure Gauge, Safety Valve, Extra Safety Valve, Manual Exhaust Valve, Vacuum Breaker cum Purge Valve and Quick Release Coupling for online pressure calibration checks.

- Handy-raise device for lid - safe and user friendly - on #7441 and #7451.

- Drain valve facilities easy cleaning.

- Moulded rubber Gasket.

- Stainless Steel carrier(s) along with heater cover stand.

Documenting Features:

- Real time printing of three temperature sensors along with F_0 summation, plus pressure channel.

- Printing in smart tabular format, with date, time and batch number.

- Prints to external Epson DMP (part of standard supply).

- Enables authentic documenting of every autoclave cycle.

Model	Chamber / Eff. Vol.	Usable Inner Dim. (Ø x D) mm	Max. Oprtng. Prmtrs.	Carrier (Ø x D) mm	Product Ext. Dim. (W x D H) mm	Packing (W x D x H) mm / Weight
#7421FADOC	43 / 35 L	300 x 500 (12x20")		1 of 250 x 450	640 x 450 x 930	760 x 500 x 1170 / 54kg
#7431FADOC	64 / 53 L	350 x 550 (14x22")		1 of 300 x 500	700 x 500 x 980	820 x 610 x 1230 / 63 kg
#7440FADOC	91 / 75 L	400 x 600 (16x24")	103.4 kPA (15 psi) / 122°C	1 of 350 x 550	710 x 560 x 1030	920 x 660 x 1290 / 75 kg
#7441FADOC	135 / 113 L	450 x 710 (18x28")		2 of 400 x 330	810 x 640 x 1150	970 x 720 x 1350 / 90 kg
#7451FADOC	210 / 180 L	550 x 760 (22x30")		2 of 500 x 350	910 x 750 x 1220	1090 x 810 x 1420 / 124 kg
#7423FADOC	43 / 35 L	300 x 500 (12x20")		1 of 250 x 450	640 x 450 x 930	760 x 500 x 1170 / 60 kg
#7433FADOC	64 / 53 L	350 x 550 (14x22")	206.8 kPA (30 psi) / 135°C	1 of 300 x 500	700 x 500 x 980	820 x 610 x 1230 / 65 kg
#74403FADOC	91 / 75 L	400 x 600 (16x24")		1 of 350 x 550	710 x 560 x 1030	920 x 660 x 1290 / 79 kg

All electrical appliances work on 230VAC, 50Hz, single phase. Other Voltages available on request.
Due to continuous improvement in design, the product supplied may have modified features.

ISO 13485