equitron®

Fully Automatic Autoclave

#7421FA

The #1 Fully Automatic Autoclave

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.

❖ Widest options for documenting available:
  ▪ Independent scanning, displaying and printing to inbuilt printer
  ▪ Independent Chart Recorder

❖ Supplied with Test Certificates & calibration reports along with traceablities 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.

Standard Features:

Electronics and Electrical

• *µ*Processor based Controller with time and temperature programmable by user.

• A backlit alphanumeric two line 32 characters 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 models #7423 & #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%.
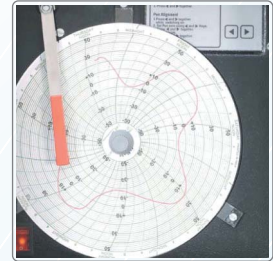
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Mechanical

- 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.

INDEPENDENT DOCUMENTING OPTION:

#CR *Chart Recorder - Circular*

- Independent online plotting of one temperature sensor.
- At-a-glance - easy & quick readablity.
- Small ¨150mm - easy to handle circular chart size.
- Plotting temperature range 90 to 140°C - enables 1°C readablity & eliminates ambiguity.
- Fast motor of 4 hours / 1 revolution enables a meaningful plot length, while at the same time is sufficient to accommodate at least two plots if desired.

Model	Working Chamber Size Ø x D in mm / Ltr.	PSI	Documenting Suffix Independent	Carrier (Ø x D) in mm	Packing Dimensions (WxDxH) / Gr. Weight
#7421FA-	300 x 500 (12x20") / 35	15	CR: Plotting to inbuilt Circular Chart Recorder	1 of 250 x 450	820 x 620 x 1170 mm/ 54 kg
#7431FA-	350 x 550 (14x22") / 53	15		1 of 300 x 500	870 x 670 x 1230 mm/ 63 kg
#7440FA-	400 x 600 (16x24") / 75	15		1 of 350 x 550	970 x 720 x 1290 mm/ 75 kg
#7441FA-	450 x 710 (18x28") /113	15		2 of 400 x 330	1020 x 770 x 1350 mm/ 90 kg
#7451FA-	550 x 760 (22x30") /180	15		2 of 500 x 350	1150 x 890 x 1420 mm/ 124 kg
#7423FA-	300 x 500 (12x20") / 35	30		1 of 250 x 450	820 x 620 x 1170 mm/ 54 kg
#7433FA-	350 x 550 (14x22") / 53	30		1 of 300 x 500	870 x 670 x 1230 mm/ 63 kg
#74403FA-	400 x 600 (16x24") / 75	30		1 of 350 x 550	970 x 720 x 1290 mm/ 75 kg
Build your own custom featured Autoclave: 1st six digits for model & next two to eight for accessories (CR).					
For example #7441FACR = A Fully Automatic Autoclave of size 45 Ø x 71 cm + Chart Recorder.					

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.

Medica Instrument Mfg Co

CE

ISO 13485

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