



# TABLE TOP FRONT LOADING PROFESSIONAL AUTOCLAVE



**“B” CLASS. MODELS:**  
**AUTOCLAVE\_PRO - 7 PROGRAMS (CHART AT END)**  
**PROCLAVE - 2 PROGRAMS; 121 / 134° C**



## CONTAINERS

Manufactured By:

## PUNEET INDUSTRIES

224, Sagar Ratan Industrial Premises, Plot D-265, TTC Industrial Area  
Thane - Belapur Road, Turbhe MIDC, Navi Mumbai 400 705, INDIA.  
+9198204 30094    puneeind@hotmail.com    www.puneetind.com

## TABLE TOP FRONT LOADING PROFESSIONAL AUTOCLAVE

### Salient Features:

- Fully Automatic Programmable
- 5 Fixed Programs allow any cycle: "S", "B", Universal or Prion
- User selectable option to run Wet or Wet & Dry Cycle with automatic change over
- 1 User Programmable Custom Program
- 1 Dry Heat Sterilization Program
- Temp. Range 120<sup>o</sup> to 135<sup>o</sup> C. Time 00 To 59 Mins.
- 4 Line LCD For Display of Messages And Faults.
- Stainless Steel Chamber with Ceramic wool Insulation.
- Stainless Steel Boiler Tank
- M.S. Powder Coated Housing
- Vacuum Breaker, Pressure Gauge And Spring Loaded Safety Valve.
- Condensate Line
- "B" CLASS, Multi Programs, Power Failure Memory. Self Diagnostic Software. Password Protection & Reporting.

### Specifications:

Operating Voltage:	230 VAC, 1 Ø
Capacity	20 Litres
Power Rating: Heater:	2 K Watt
Control:	50 Watt
No. of Programs:	5 Sterilization Cycles with option to run Wet or Wet & Dry cycles with automatic change over;
	<b>Drying Cycle: Heat Based</b>
	Drying Heater.
	Programmable Temp Range Room Temp to 199 <sup>o</sup> c.
	Time: 00 to 59 Mins
	Separate Cycle For Wrapped And Un-Wrapped Loads
	1 Dry Heat Sterilization Cycle
Custom Program	1 with Password Protection against un-authorized tampering and Programmable: Temp: 120 to 135 Deg C. Time: 00 to 59 Mins. Vacuums: 1 to 3 times.
Special Features:	User Selectable <b>Pre-Vacuum</b> * Power Failure Memory – Automatically re-starts on Power resumption * Password Protection (for Custom Program) - Prevents unauthorized tampering of set parameters * PIN restricted user permission. User Password Generated & Saved * Self Diagnostic Software for Process Fault Recognition * Manage Users Facility restricted by Admin Password
Water Filling & Removal:	Manual

## TABLE TOP FRONT LOADING PROFESSIONAL AUTOCLAVE

Condensate Line	Steam Trap of ½” BSP or larger connection
Alerts Indication	By Blinking Light.
Indication on Display	Program No & Name * Cycle * Actual Temp: Deg. C * Time: Mins * Help & Process Alerts * Process Over * Process Stage in progress
Power On	Displays Last Program and Cycle successfully completed
Program Change	By Up and Down Keys
Vacuum System	Built-in
Reporting	Report can be generated on Screen for the Last Cycle Run or for Last 5 Cycle Runs. Expandable to 40 cycles
Parameters Reported	Operator Id * Date & Time of Cycle Start * Program No. & Name * Cycle: Wet or Wet & Dry * Sterilization Temperature * Sterilization Time * No. of Pressure Pulse or Vacuums * Temperature at 1 <sup>st</sup> Pressure Pulse or Vacuum * Temperature at 2 <sup>nd</sup> Pressure Pulse or Vacuum * Temp at 3 <sup>rd</sup> Pressure Pulse or Vacuum * No. of Power Failures * Process Time Taken * Power Consumed during the process * Process Result: Success, Aborted(user stopped) or Unsuccessful due to process failure with fault indication.
Sterilizable Instrument Types	Unwrapped Solid, Wrapped Porous Hollow
Air Removal by	Vacuum (“B” Class)
Pre – Vacuum	User Selectable
Process Vacuum	Programmable (1 to 3)
Pneumatic Test Pressure	1.5 Times Max Operating Pressure
Max Operating Pressure	2.1 Barg

### PROGRAM DETAILS FOR 7 PROGRAM UNIT

Prog. No.	Prog. Name	Proc Vacuum	Ster. Temp Deg C	Ster Time Mins	Final Vacuum Mins
1	Universal	3	126	16	10
2	Gentle	1	121	15	7
3	Flash	1	134	3	7
4	Hand Piece	2	134	7	14
5	Prion	3	134	18	14
6	Custom *	Programmable (2)	Programmable (121)	Programmable (16)	Programmable (10)
7	Dry Heat Ster	NIL	165	16	NIL

\* Values in Parenthesis are Default Values. These can be changed in Edit Mode.

### OPTIONAL: (AT EXTRA COST)

- ⇒ Auto Water Filling with Cut off & Indication For Low Water Level.
- ⇒ Electronic Door Lock: When Process Is ON, Door Cannot Be Opened

## TABLE TOP FRONT LOADING PROFESSIONAL AUTOCLAVE

- ⇒ S. S. Housing In Lieu of M. S. Powder Coated Housing
- ⇒ Digital Display of Pressure In Lieu of Needle Gauge.
- ⇒ Validation Port for inserting 8 to 10 Sensors for Temperature Mapping
- ⇒ Connectivity to PC / SCADA operation
- ⇒ Water Quality Check
- ⇒ **Logging:**
  - 80 Column Dot Matrix Printer
  - Logs Temperature / Pressure (Vacuum) data at interval of 1 minute from Process Start to Process End. This allows Analysis of the Process. Saves Log till next cycle run.
- ⇒ **Report Printing**
  - 80 Col Dot Matrix Printer if Logging Opted for. Else Mini Thermal Printer
  - Can also Generate Report for Customized Parameters in Custom Format.**
- ⇒ Indicative Report Format (if Logging opted for)

### COMPANY'S NAME

#### SUMMARY REPORT

Saved Report

Batch No.		Sterilization Temp °C
Date		Sterilization Time (Mins)
Operator Id		Pre Vacuum?
Time Start		No. of Vacuums
Vacuum No.	Temperature °C / Vacuum (psia)	No. of Power Failures
1		End Time / Date
2		Power Consumed KWhr
3		Process Result

Printed On: 17.7.2011

### END OF REPORT

- ⇒ Note: This is summary report of last 5 cycle runs saved in the controller. This can be retrieved and printed from Main Menu

# TABLE TOP FRONT LOADING PROFESSIONAL AUTOCLAVE

## COMPANY'S NAME

### STERILIZATION REPORT

On Line Report

Batch No.	Sterilization Temp ° C
Date	Sterilization Time (Mins)
Operator Id	Pre Vacuum?
Time Start	No. of Vacuums

### PROCESS LOG

TIME STAMP	Temperature ° C	Pressure psia	Pressure (psig) / Vacuum (Torr)
---------------	--------------------	------------------	------------------------------------

### OTHER DETAILS

Vacuum No.	Temperature °C / Vacuum (psia)	No. of Power Failures
1		End Time / Date
2		Power Consumed KWhr
3		Process Result
Pre Vacuum		Process Fault, if any

### END OF REPORT

- ⇒ Notes: The above format can change based on printer's programming code lines  
Batch No. is assigned from 1 to 255 and revolves to 1 after 255.

**DESIGN & SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

### Other Details

Use Manual Doc Num	MANUAL_PROA04
--------------------	---------------