



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

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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° to 135° 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;
	Drying Cycle: Heat Based
	Drying Heater.
	Programmable Temp Range Room Temp to 199°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 Pre-Vacuum * 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

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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 st Pressure Pulse or Vacuum * Temperature at 2 nd Pressure Pulse or Vacuum * Temp at 3 rd 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

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- ⇒ 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

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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)
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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