Auto Clave (Vertical Type) Models only

FULLY AUTOMATIC WITH FO VALUE FACILITY & RADIAL LOCK DESIGN

KESAR CONTROL SYSTEMS PVT. LTD.
TEMPERATURE & HUMIDITY EXPERT

Technical Specification : (Single Lever)

- Vertical Autoclave widely used in Microbiology Laboratory, Waste treatment Plant, Pharma QC / QA / R & D and all applications requiring sterilization.
- Double walled construction with Inner chamber (boiler) made of SS 304 grade(16 SWG Sheet) and Outer shell of SS - 304 grade, mirror polish.
- The Boiler and outer shell is provided with air insulation.
- Lid is made of die pressed Thick Stainless Steel plate & is equipped with Pressure gauge, Steam release / Exhaust valve & spring loaded safety valves 02"nos & 1/4" or 3/8 BSP Port fitted with coupling for validation purpose.
- Fully Argon welded to avoid steam and pressure leakage.
- Heavy duty industrial flange heaters.
- Full sterilization cycle including Air purging, Sterilizing hold time, Cycle end with release/exhaust of pressure.
- Microprocessor based PID temperature Controller with PT-100 sensor, Timer & Solenoid valve Controls system, which controls : pressure and Set temperature, Timer for Set time of Autoclave with Air purge : Auto air / pressure purge at time of start and end of cycle high temperature alarm, End of cycle alarm, Low Water Level indicator / alarm (i.e Heater will cutoff and given alarm when water level goes below H/Element).

- **Timer Range** : 1- 99 Minutes.
- PU Caster Wheels GI Support
- Perforated basket made of SS - 304 grade.
- Operates on 230 Volts AC Single phase 50Hz.

Temperature Range	: 120°C to 125°C
Working Temperature Range Between	: 100°C to 127°C & Factory Set will be at 120.0°C
Temperature Resolution	: 0.1°C
Temperature Control Accuracy	: +/-0.5°C or better
Working Pressure Range Between	: 15 PSI to 25 PSI. (Factory Set will be at 15 PSI)

Optional features :

- Digital Controller cum data logger with Software F0 value with USB data converter & cable with Fully Automatic having all the feature of low level water cut off feature, purging system, timer, & releasing of the steam after completing the sterilization of the cycle, Cooling Coil & Pressure Transmitter.
- Pressure Transducer with Pressure Data in Software.

Size & Models :

Models	Size (DIA x HT)		Rating	Capacity (Ltrs.)	No. of Bsket
	INCH	CM			
KGAC - 35L	12 Ø x 20 Ht	30 Ø x 50 Ht	2000 W	35 LTR	1
KGAC - 53L	14 Ø x 22 Ht	35 Ø x 55 Ht	3000 W	53 LTR	1
KGAC - 75L	16 Ø x 24 Ht	40 Ø x 60 Ht	4000 W	75 LTR	1
KGAC - 95L	18 Ø x 24 Ht	45 Ø x 65 Ht	4500 W	95 LTR	1
KGAC - 125L	18 Ø x 30 Ht	45 Ø x 75 Ht	5000 W	125 LTR	2
KGAC - 185L	22 Ø x 30 Ht	55 Ø x 75 Ht	6000 W	185 LTR	2
KGAC - 215L	22 Ø x 35 Ht	55 Ø x 90 Ht	6000 W	215 LTR	2

Multi Channel Scanner :

(4 / 8 / 16 Channel)

Technical Specification :

No. of Channels	4 / 8 / 16 Channel	
Display	128 x 64 alphanumeric graphical display	
Sensor Input	Temperature	: RTD Pt - 100 and PT - 1000 (0 to 400°C)
	Thermocouple	: 2 types (J type : 0 to 850°C, K type : 0 to 1300°C)
	Linear Inputs	: 4mA - 20mA , 0mA - 20mA 0 - 1 V, 0 - 5 V, mV Can Support
	Humidity RH	: 0 -1V, 0 - 3.3V (3 wire), 4mA - 20mA
Alarm	Common Alarm for all channels	
Communication port	RS 485 to 232 (Pc communication) or Ethernet (Tamper proof data with 21cfr part 11 compliance software.)	
Print features	1. Date wise data recovery 2. Page wise data recovery	
Printer supported	EPSON LX - 300+ (Dot Matrix) with provided printer cable	
Scan time	1 to 255 minutes interval time	
Memory capacity	up to 3000 records	
Audio Indication	For Critical condition and Memory full condition	
Supply voltage	110/230 VAC - 50/60 Hz	
Size	96mm x 96mm x 65mm	