

# PULSE

## LIFE SCIENCE



## Autoclaves Vertical Laboratory Type



PULSE – ACV Autoclaves are made up of thick stainless steel (304) inner & the Outer body is made up of thick Mild Steel / Stainless Steel. The chamber is absolutely leak proof & can be operated at any selected point pressure upto 20 PSI, factory set at 15 PSI. Complete with pressure gauge, safety valve, and steam release valve.

MODEL NO.	INCH	LITRES
ACV - 22	10"x18"	22 ltr
ACV - 90	16"x24"	90 ltr
ACV - 140	18"x30"	140ltr
ACV - 175	22"x30"	175ltr
ACV - 200	22"x36"	200ltr

## Water Bath



The PULSE Water Baths are Double walled thermostatically controlled inside made of stainless steel outer made of S.S. / M.S. duly powder coated. Gap between the walls is filled with glass wool. Temperature range 5 °C above room temperature to 80 °C with an accuracy  $\pm 2$  °C. Working on 220 volt 50 Hz A.C. supply.



Water Bath Serological	Please enquire for appropriate model size & specification
Water Bath Electrical Round	
Water Bath For Round Bottom Flask	
Water Bath Rectangular	

## Hot Plate



Plates are in Rectangular & Round Shapes. Choice of controller either energy regulator or thermostat. Maximum surface temperature 350 °C body made of thick stainless steel Operates on 230 volts

SIZE	
8" Dia (Round)	25x30 cm (Rectangular)
9" Dia (Round)	25x40 cm (Rectangular)
12" Dia (Round)	30x45 cm (Rectangular)
	45x60 cm (Rectangular)

## Magnetic Stirrer



The PULSE Magnetic Stirrers are reliably designed to stir liquids in flasks. a two tier design provides stability and rigidity to the stirrer. digitalized temperature control provides high accuracy and reliability.

Size
1 MLH
2 MLH

\*\*\*All the above mentioned specifications are standard sizes, we can customize the design and sizes according to your requirement. GMP Models with IQ, OQ, PQ, DQ are also available.

## Humidity / Stability Chamber (Environmental Test Chamber)



The PULSE Stability Chambers are suitable to carry out different quality control tests under controlled conditions of temperature & humidity. Inner chamber is made of stainless steel & outer wall of mild steel sheet duly powder coated. Inner stainless steel with 2/3 nos adjustable wire mesh shelves. For temperature below ambient temperature range 10 °C to 60 °C. Humidity range 40% to 85% RH complete with sealed compressor unit wet dry, bulb and electronic digital indicator cum temperature Reservoir rating is approx 3.5 K.W (Max). Please enquiry for Humidity above 85% RH and customized sizes.

MODEL	Capacity	Size in Cms (HXWxD)
STC - 90	3 Cu.Ft 90 Litres	45 X 45 X 45 Cm
STC - 180	6 Cu.Ft 180 Litres	50 X 50 X 70 Cm
STC - 300	10 Cu.Ft 300 Litres	55 X 55 X 90 Cm
STC - 360	12 Cu.Ft 360 Litres	60 X 60 X 90 Cm
STC - 480	16 Cu.Ft 480 Litres	65 X 65 X 115 Cm

## B.O.D. Incubator (Biological Oxygen Demand)



The PULSE B.O.D. Incubator are mounted on Castor wheels and the cabinet is double walled with inner chamber of stainless steel & outer wall of M.S. Sheet duly powder coated. Double walled back of the unit is fitted with air circulation fan for maintaining temperature uniformity throughout the chamber. Full view inner glass door permits inspection of specimens without disturbing the same. The temperature range is from 5°C to 60°C accuracy  $\pm 0.5^{\circ}\text{C}$  is controlled by Digital Temperature indicator – cum – controller.

MODEL NO.	Capacity	Inner Dimension
BODI-90	3 Cu. Ft (90 Ltrs)	45x45x50 Cm
BODI - 170	6 Cu. Ft (170 Ltrs)	50x50x70 Cm
BODI - 280	10 Cu. Ft (280 Ltrs)	55x55x90 Cm
BODI - 330	12 Cu. Ft (330 Ltrs)	60x60x90 Cm

## Deep Freezer - Vertical Model (-20°C, -40°C, -80°C):



CFC & HCFC free hermetically sealed Compressor with Electronic time delay to safeguard the Compressor.

Air cooled condenser with external blower motor type fan suitable for continuous operation.

Polyurethane foam (PUF) Insulation of 75mm thick high density with 100% vapour barrier.

Control panel comprises of Microprocessor based Digital Temperature Controller cum Indicator with an accuracy of  $\pm 1^{\circ}\text{C}$  along with Indicator lamps. Audio-Visual alarm for Under & Over temperature.

MODEL NO.	Capacity	Inner Dimension
DF - 90	3 Cu. Ft (90 Ltrs)	45x45x50 Cm
DF - 170	6 Cu. Ft (170 Ltrs)	50x50x70 Cm
DF - 280	10 Cu. Ft (280 Ltrs)	55x55x90 Cm
DF - 330	12 Cu. Ft (330 Ltrs)	60x60x90 Cm

\*\*\*All the above mentioned specifications are standard sizes, we can customize the design and sizes according to your requirement. GMP Models with IQ, OQ, PQ, DQ are also available.



## Bacteriological Incubator (lab / Memmert Type)



We manufacture and provide superior quality bacteriological incubator which is fabricated using qualitative raw material. Our bacteriological incubators are double walled with the outer body fabricated with mild steel while the inner body in mild steel, or stainless steel. The inner body is lagged with glass wool and the temperature controlled by capillary type hydraulic thermostat, temperature range 5°C above ambient to maximum 60°C with accuracy range of  $\pm 2^\circ\text{C}$ . Within the incubator, glass door is available.

MODEL NO	Inch
BIL/M - 27	12"X12"X12"
BIL/M - 90	18"X18"X18"
BIL/M - 120	18"X18"X24"
BIL/M - 215	24"X24"X24"

## Vacuum Oven :



The PULSE Vacuum Ovens are specially designed for drying & heating under carefully controlled conditions from atmospheric pressure to vacuum upto 30" Hg. They facilitate, desiccating, vacuum embedding, plating and electronic component processing.

RECTANGULAR SIZES :
12" x 12" x 16"
14" x 14" x 20"
18" x 18" x 24"
20" x 20" x 30"

## Hot Air Oven ( Laboratory / Memmert Type)



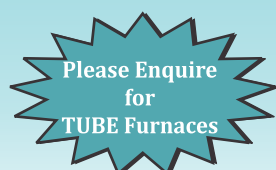
The PULSE Hot Air Ovens are Double / Triple walled inner made of thick stainless steel / mild steel, outer made of heavy duty mild steel / G.I. duly powder coated. Temperature range 50°C to 250°C Temperature accuracy  $\pm 2^\circ\text{C}$  controlled by thermostatic.

	Size	Approx
MODEL NO	Inch	Litres
HAO - 28	12"X12"X12"	28
HAO - 90	18"X18"X18"	90
HAO - 120	18"X18"X24"	120
HAO - 215	24"X24"X24"	215

## Muffle Furnace (960°C, 1160°C, 1200°C, 1400°C, 1600°C) :



Useful for hardening, annealing, reheating etc. High temperature ceramic fiber wool insulation. Outer body double walled thick P.C.R.C. sheet duly powder coated. Heating elements are of KANTHAL 'A-1 Wire' /Silicon Carbide Heaters upto a Maximum temperature of 1600°C.



Size
9"x4"x4"
10"x5"x5"
12"x6"x6"
18"x9"x9"

\*\*\*All the above mentioned specifications are standard sizes, we can customize the design and sizes according to your requirement. GMP Models with IQ, OQ, PQ, DQ are also available.

## Orbital Shaking Incubator



The PULSE Orbital Shaking Incubators Double wall inner S.S. outer mild steel temperature range to 10 °C to 60 °C  $\pm 0.5$  °C controlled by preset dual display electronic digital temp. Controller indicator. RPM range : 50 to 200 Rpm orbital (25cms) variable speed controlled by digital display RPM controller cum indicator (permanent Magnet DC Motor) complete with stainless steel tray lotus shaped spring action clamps but without conical flask.

Capacity / flask	
9X250 ml	9x500ml
16X250ml	16x500ml
20x250ml	20x500ml
36x250ml	36x500ml

## Trays Dryer (without Trays And Trolleys)



The PULSE Tray Dryers are Double walled construction on heavy iron angle, inner chamber made of Mild steel painted with temperature. Resistant paint & outer finished with hammer tone paint. Insulation is done by glass wool. Temperature range 50 °C to 200 °C controlled by Electronic Digital Temperature indicator Cum Controller with an accuracy of  $\pm 5$  °C. Air circulation is provided by heavy duty powder with ON / OFF switch indicator ventilations are provided on the top of Oven. Supplied with other accessories but without trays. Main supply 3 phases 440 VAC.

Size	Temperature	Size	Temperature
12 Trays	100	24 Trays	200
12 Trays	200	48 Trays	100
24 Trays	100	48 Trays	200

## Oil Bath



The PULSE Oil Baths are Double walled with inside made up of stainless steel & outside of mild steel sheet duly powder coated. The gap between the two walls is fitted with high – grade glass wool to minimize thermal loss. Temperature range from ambient 50 °C to 250 °C accuracy  $\pm 2$  °C. The temperature maintains to work on 220/230 volts A.C. supply.

Capacity	
2 Litres Flask	10 Litres Flask
3 Litres Flask	20 Litres Flask
5 Litres Flask	

## C.O.D.Digestors(Digital) Chemical Oxygen Demand



The PULSE DIGITAL COD DIGESTOR is suitable for COD method for monitoring waste water influent & effluent, industrial process water. Outer cabinet made of mild steel duly coated. Double wall construction with insulation for minimum heat losses increases the efficiency of the system. Aluminum Block with holes dimension is used to hold 15 nos. Selectable time up to 1230 min with alarm is provided to set the digestion period (Refluxing)

Temperature Range	Above amb. To 180 °C or higher
Resolution	1 °C
Timer	Selectable 15,30,45,60,90 or 120 min with alarm
Hole Size	40 mm dia c 80 mm depth
Glass Tube	38 mm dia 15 nos (5x3 rows)
Sample Volume	20 ml, Each

\*\*\*All the above mentioned specifications are standard sizes, we can customize the design and sizes according to your requirement. GMP Models with IQ, OQ, PQ, DQ are also available.

## Laminar Air Flow Horizontal & Vertical



The PULSE Laminar Air Flow is designed to provide working space comprising as standard features HEPA filter having efficiency of 99.97% down to 0.3% microns, prefilter 90% down to 5 microns, suitable motor blowing assemblies, working table top, side Acrylic panel, fluorescent tube light & pressure differential Manometer. Inside shelf made of Stainless Steel.

Model Type	H / VLAM - 1 - 2	H / VLAM - 3	H / VLAM - 4
Working Area	2FT x 2FT x 2FT	3FT x 2FT x 2FT	4FT x 2FT x 2FT
Size of Filter	2FT x 2FT x 3"	3FT x 2 FT X 3"	4FT X 2FT X 3"
HEPA Filter (With Unit)	One	One	One
PRE Filter (With Unit)	One	One	One
Illumination	1 x 20 watts	2 x 20 watts	2 x 40 watts

## *Range Of Products Laboratory Equipments*

Autoclave Vertical  
BOD Incubator  
Bacteriological Incubator  
COD Digestor  
Ice Flaking Machine  
Deep Freezer 2 to 8, - 20,-40,-80  
Fume Hood  
Water Bath Fully Automatic  
Water Bath Incubator Shaker  
Water Bath Ultra Low Temperature  
Oil Bath (High Temp.)

Humidity / Stability Chamber  
Hybridization Oven  
Hot Air Oven  
Incubator  
Laminar Flow  
Magnetic Stirrers  
Muffle Furnace upto 1600°C  
Orbital Incubator Shaker  
Orbital Shaking Incubator cum-BOD incubator  
Plant Growth Chamber  
Rotary Flask Shaker  
Rotary Shakers

Hot Plates  
Cryostat Bath  
Shaking Machines  
Tissue Culture Hood  
Tray Drying Oven  
Vacuum Oven  
Vacuum Cum Pressure Pumps  
Vortex Shaker (Test Tube shaker / Cyclo mixer)  
Heating Mantle  
Melting Point Apparatus

**PULSE**  
LIFE SCIENCE

B/ 107 Vrindavan B. Morwala C.H.S, Majaswadi,  
Nr. Gajanan Temple, Jogeshwari (E),  
Mumbai 400 060.

Email:- [pulselifescience@gmail.com](mailto:pulselifescience@gmail.com)

Website:- [www.pulselifescience.com](http://www.pulselifescience.com) , [www.pulselifescience.co.in](http://www.pulselifescience.co.in)

Contact :- 9324479648 / 9022592910