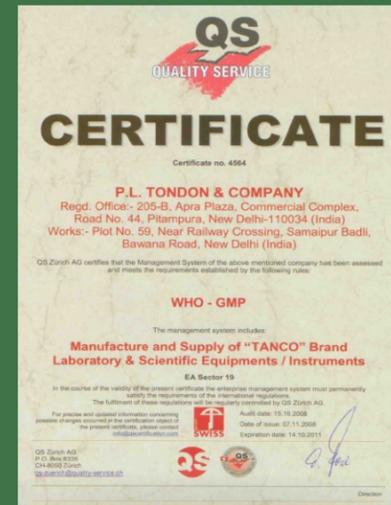## OPTIONAL FEATURES

Static Pressure Manometer	Can be provided at an extra cost
Exhaust Ducting	Per running feet cost will be charged extra
HEPA Filtration at exhaust	Can be done at an extra cost
Virus burn out at Exhaust	Can be done at an extra cost
Magnehelic pressure differential gauge	to track filter pressure in lieu of static pressure manometer (Can be provided at an extra cost)
Interlocking of U.V. germicidal tube & fluorescent light	with auto switch off/on mode for motor blower when the door is closed/open
Hour meter totalizer for U.V. light	Can be done at an extra cost
Glove Ports and Gauntlets	Can be done at an extra cost
Fumigation Tray – for effective disinfection/ decontamination	Can be done at an extra cost
Electronic filter choke alarm (Differential pressure monitor).	Can be done at an extra cost
Microprocessor LCD controller	With auto switch off mode for motor blower when door is closed.
Digital buzzer timer	Sounds an audio alarm on completion of sterilizing time of the chamber

BIOSAFE BIOLOGICAL SAFETY CABINET Class-II

THE PLT-275 SERIES

QS WHO-GMP

CE

Tanco
An ISO 9001 2000 Certified Co.

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WHO GMP / ISO 9001 CE

BIOSAFE BIOLOGICAL SAFETY CABINET Class II

APPLICATIONS

* "BIOSAFE BIOLOGICAL SAFETY CABINET Class II re-circulates 70% of air through HEPA filter & 30% Exhaust.
* TANCO" Biosafe Cabinet is used to protect personel, product and the environment from exposure to biohazards and cross contamination during routine procedures.
* Used for various applications in the life science, clinical, pharmaceutical and industrial laboratory.
* These Cabinets are designed to provide 3 basic types of protection.
1) Personnel protection from harmful agents inside the cabinet.
2) Product protection to avoid contamination of the work, experiment or process.
3) Environment Protection

SALIENT FEATURES & CONSTRUCTION

* Low Cost.
* Low Noise.
* User Friendly Ergonomic Design.
* Controlled Environment Particulate Free Product Protection.
* Work area surrounded by negative pressure, double wall plenums for protection.
* Aerodynamic designed airflow grille maintains safety by preventing blockage.
* Silent Vibration-Free Blower ensure noiseless operation.
* Sound level no more than 65 dbA.
* The Unit is suitable for CLASS 100 conditions.
* 70% of the air is re-circulated through the HEPA filter.
* The contaminated air is drawn by the blower through the plenum of the cabinet.
* 30% of the air is exhausted from work area.
* Filtered Exhaust – protects ambient environment, and avoids build up, air borne particles.
* The exhaust of Safety Cabinet is connected to the Virus Burn out Unit for product and personnel protection.
* Air is drawn through Pre-Filter and is made to pass through high effective HEPA (High Efficiency Particular Air) filters.
* The efficiency of HEPA Filter is greater than 99.97% down to 0.3 micron.
* Basic material is thick board wood front back top and exterior surfaces are covered with Formica. OR Cold rolled steel duly powder coated OR Stainless Steel (SS-304) (as ordered).
* Working table is made of Stainless Steel Sheet (SS-304 grade).
* Window opens to 20cm±5mm working height with predefined locking device.
* Built in U.V. Germicidal light – facilitates sterilization of working area before and after use.
* Cock – for gas, air or vacuum, (only 1 no.) is provided.
* Working area is illuminated by fluorescent lighting fitted to the unit.
* The blower and motor assembly is statically and dynamically balanced of 1/5 H.P. capacity operates with minimum noise level.
* Height of the working table provides comfortable "SIT DOWN" working position for the operator.
* Supplied complete with cord & plug to work on Single Phase 220 / 230 volts A.C. supply.

TECHNICAL INFORMATION AND ORDERING INFORMATION

Model No.	BSC-1	BSC-2	BSC-3	BSC-4
Working Table Size	2' x 2'	3' x 2'	4' x 2'	6' x 2'
Working Size	2' x 2' x 2'	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'
HEPA Filter Size	2' x 2' x 6"	3' x 2' x 6"	4' x 2' x 6"	3' x 2' x 6"
No. of Motor/Blower	1	1	1	1
Illumination	1 x 40 w	1 x 40 w	2 x 40 w	2 x 40 w
Cabinet Materiel	Wooden or Cold Rolled Steel Powder Coated or Stainless Steel (SS-304)			
Work Table	Stainless Steel (SS-304 grade)			
View Window	In work chamber to monitor the samples			
Main Filter	HEPA Filter (99.97% efficient at 0.3 micron particles)			
Pre-Filter	High efficiency pre-filter (Washable)			
Sterlization	By U. V. Germicidal Tube in work area			
Manometer	Static pressure analogue type.			
Sliding Sash	Counter balanced door for effortless operation			
Noise Level	Less than 65 db			
Standard Accessory	Gas/Air cock and Multipoint 15/5 Amp. electric socket			
Electric Supply	AC 230V, 50/60Hz			

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