

# Safety Cabinet

Since it does not discharge the mist & Fume Emission which may occur during physics and chemistry experiments, it provides the safe working space by circulating clean air and preventing the emission of the air pollution. Outside color matching clean image of laboratory and excellence in design increasing space utilization are one of advantages of this product. 5 ton tempered glass chosen on the side broadens the view of an experimenter and ensures the safety of the product



## Validation support

Operation qualification test  
Smoke pattern test → Hepa integrity test  
Particle recovery test → Sound level & luminance test Down-flow velocity test

## Feature

Two HEPA filters are chosen in order to protect the internal environment from the biological risk materials.  
HEPA filter captures particles with 0.3um or more in 99.999% or more and maintains the inside air clean. Since 70 % of air is recirculated and 30% of air is discharged through a HEPA filter, cross- contamination between workers and sample or between samples is prevented.  
UV lamp and the fluorescent lights is operated with the switches, it reduces the risk factors by choosing the automatic switching system in order to reduce the possibility to burn an experiment with UV.  
Function to control wind speed in 9 steps.  
Alarm function of total usage time of a HEPA Filter.  
Selection of a sliding door and 5 ton tempered glass on the side.  
A blower fan motor with less noise and vibration- free is used.  
The use stability of a UV lamp is raised by automatically turning OFF the UV lamp when the glass door is opened

MODEL	PH-SC 900	PH-SC 1200	PH-SC 1500	PH-SC 1800
<b>Dimension_IN(WxDxH)mm</b>	890 x 565 x 600	1190 x 565 x 600	1490 x 565 x 600	1790 x 565 x 600
<b>Dimension_OUT(WxDxH)mm</b>	960 x 850 x 2085	1260 x 850 x 2085	1560 x 850 x 2085	1860 x 850 x 2085
<b>Power consumption</b>	180W	330W	570W	600W
<b>Plug type</b>	European 220 VAC STD plug			
<b>Electrical requirement</b>	220 VAC 50/60 Hz			
<b>Electrical</b>	With the use of fuses which are optimal to each part, overcurrent is shut- off.			
<b>Controller-Display</b>	Back light LCD display			
<b>Controller-Lamp control</b>	FL lamp On/Off UV lamp On/Off / UV lamp timer / Total using time			
<b>Hepa filter</b>	0.3um Particle removal 99.999% / class 100			
<b>Air circulation</b>	70% Re-circulation & 30% vent outside through hepa filter			
<b>Lamp</b>	UV20W x1EA, FL 20Wx 2EA,	UV 30W x 1EA, FL 30W x 2EA		UV 40Wx 1EA, FL 40Wx 2EA
<b>Utility</b>	Gas cock / air cock / wall mount consent 220V x 2ea			
<b>Glass door</b>	Weight balanced sliding tempered safety glass 5mm thick			
<b>UV lamp safety</b>	UV lamp is swiched off automatically when operator opens the glass door			

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