Ductless Fume Hood

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- SASTEC Ductless fume hood provide protection to the
- operator and the environment.
- Chemical fume and gasses are being filtered and contained in the carbon filter.
- Clean air are being re-directed back into the laboratory.
- The inflow air with an average 0.5 m/s passes through the front to the work area.
- Negative pressure is maintained to ensure no chemical fume or gases escape from the work area.
- Standard supply comes with Organic Solvent Carbon Filter.
- Optional filter is avaiable for Acid Fumes and Safety Ulpa Filter. (organic solvent + acidic fume + ulpa filter)
- The hood is contructed with EG steel (Electro Galvanized) for 1mm thickness come with epoxy coating and work top is made by epoxy resin.
- Model 4FT, 5FT and 6FT comes with base support.
- MoModel 3Ft, 4Ft, 5Ft & 6Ft all surround view (transparent).
- Optional: UV Lamp
- Accessories:
    * LED Lamp
    * Water Tap with Oval Sink
    * Gas Tap
    * Base Cabinet
    * Internal Phenolic Resin Panel
    * Vaneometer for airflow indication

Specification of Ductless Fume Hood				
Model	ST-DF3	ST-DF4	ST-DF5	ST-DF6
Voltage	200~240V 50Hz			
Power (W)	150W	150W	150W x 2	150W x 2
Noise Level	< 58dB(A)	≥58 dBa	< 60dB(A)	< 60dB(A)
Control System	Rocket Switch			
Fluorescent Light	Intensity >500 Lux			
Working Zone (W x D x H) mm	822 x 744 x 585	1180 x 778 x 745	1480 x 778 x 745	1780 x 778 x 745
Overall Dimension (W x D xH) mm	896 x 779 x 1035	1280 x 818 x 2300	1580 x 818 x 2300	1880 x 818 x 2300
Weight	45 kg	75 kg	95 kg	115 kg

Construction	Top Hood	Chemical Resistant Paint & E.G Steel			
	Hood Wall	Polycarbonate Clear Plane			
	Work Base	Epoxy Resin			
Air Flow System	Inflow Velocity	0.5 m/s ±0.05			
	Indiside Volume of Hood	0.383 m³	0.571 m³	0.716 m³	0.861 m³
	Volume of Treated Air (hour)	930 m³/hour	1270 m³/hour	1609 m³/hour	1949 m³/hour
3 Type Filter in 1 Hood	Volatile Organic Compound (VOC)	Yes			
	Acidic Gas (Acid)	Optional			
	ULPA Filter	Optional			
Stand	Frame c/w locking castle wheel	Optional	Yes	Yes	Yes
	Overall Dimension c/w frame	896 x 779 x 1741	N/A	N/A	N/A
	Weight	55 kg	N/A	N/A	N/A
SASTEC Touch Pad	Sash	Motorized Up & Down			
	Power	On/Off			
	Lamp	On/Off			
	Blower	On/Off			
Cabinet	Cabinet	Optional			
	Weight	65kg	105kg	125kg	145kg
	Overall Dimension c/w Frame (W x D xH) mm	896 x 779 x 1035	1280 x 818 x 1906	1580 x 818 x 1906	1880 x 818 x 1906

Diagram & Part List

1. TUBULAR MOTOR
2. BLOWER
3. ROCKET SWITCH
4. FLUORESCENT LAMP
5. SOCKET OUTLET SINGLE
6. POWER CORD
7. FRAME C/W CASTER WHEEL

SECTION D-D
SCALE 1 : 10

→ CLEAN AIR
→ CONTAMINATED AIR
→ ENVIRONMENT AIR

SECTION D-D
SCALE 1 : 10