

Industrial Portable Fume Collectors

The Industrial Portable Fume Collectors are suitable for purification of fume and dust that is generated in all kinds of welding, grinding and other areas. Using the highest standard for filtration and purification, HEPA's filtration efficiency can capture 99.8% of particles 0.3 microns or larger. The suction arm can be rotated 360°, and uses high temperature resistant, flame retardant and wearable composite material. It will not crack and has a longer usage life, comes in 2m & 3m flexible suction arms. Two directional and two rotary polyurethane casters with braking device are included for easy moving and stationing.




The Industrial Portable Fume Collectors uses a three stage filtration process, the first stage extracts the fumes and dust into the hood which passes through the fire resistance net. This fire resistance net separates large particles and sparks caused by grinding and welding. The fumes then continue through to the deflector which stops large sparks entering directly into the main filter. The third & final stage is when the fumes pass through third layer of the filter cartridge, this is when it optimises the fumes purification by up to 99.8%.



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Industrial Portable Fume Collectors

SPECIFICATION

Model No	IPFC-075	IPFC-15	IPFC-30
Image			
Air Flow (L/s)	556	833	1111
Fume Arm Air (L/s)	278	417	722
Motor	0.75kW	1.5KW	3.0KW
Voltage	220~240V / 50Hz	415V / 50Hz	415V / 50Hz
Current (A)	3.13	6.25	12.50
Plug Connection	3 pin 10amp	4 pin 10amp	4 pin 20amp
Filtering Area	8m ²	10m ²	20m ²
Cleaning Method*	Semi Auto/Manual	Auto Reverse Blowing	Auto Reverse Blowing
Max Pressure	1900Pa	2800Pa	2800Pa
Compressed Air	0.5 ~ 0.6MPa	0.5 ~ 0.6MPa	0.5 ~ 0.6MPa
Filter Type	HEPA	HEPA	HEPA
Filter Qty	1	1	2
Filtration Efficiency	> 99.8%	> 99.8%	> 99.8%
Filter Material	Nanofibre	PTFE Membrane	PTFE Membrane
Fume Arm	2m / 160mm ø	3m / 160mm ø	3m / 160mm ø
Noise	≤ 74 ± 5dB(A)	≤ 72 ± 5dB(A)	≤ 74 ± 5dB(A)
Dimensions (mm)	(W)510x(D)610x(H)900	(W)700x(D)800x(H)1600	(W)800x(D)800x(H)1633
Packaging (mm)	(W)620x(D)740x(H)1220	(W)1000x(D)820x(H)1820	(W)1000x(D)1110x(H)1900
Weight	98 ± 5KG	210 ± 5KG	266 ± 10KG

*Please note: an air compressor is required on all machines for auto cleaning. Alternatively, filters can be removed manually to clean.

Consumables:



Nanofibre Filter
SP-IPFC-JS00
(Suits IPFC-075)



PTFE Membrane
SP-IPFC-KS01
(Suits IPFC-15 & IPFC-30)



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