

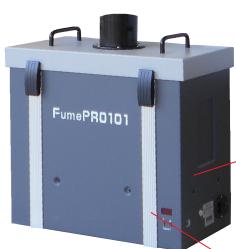
Rigid Gooseneck
Arms can be
positioned
anywhere on

table and will stay in same place

Couple of 100's (in repeat orders) working reliably all over India for the last many years

3-Stage Filters for 99.97% cleaning Silent operation with noise < 55 dBA* Reliable & powerful brushless turbine Ready-to-use, no plumbing required

Click here to view Video



System Choke Alarm:

When display shows

circular movement

clockwise plus OFF

and system beeps,

Air Flow Controller

Air Flow Controller at 'ON' position

Air Flow Controller at 'OFF' position

FumePR0101
Main
Extraction
Control
Unit

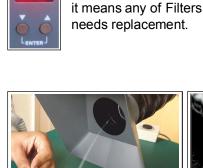
Digital Display Indicator



Airflow Setting Switches

Speed Control Regulator Connector









Scope of Supply

- 1xFumePro101 Main Extraction Unit
- 1xExtraction Arms (50mm dia, 1 meter long)
- 1xRound Fume Absorbing Hood (105mm dia.)
- 1xAir Flow Controller
- 1xSpeed Control Regulator
- 2xSpare Pre-Filters

Specifications

Input Power Supply : 230V/50Hz, 120W

No of Workplaces : 1

Stationary Pressure
Maximum Airflow Rate
Filtering Efficiency (0.3um)
Noise Level
2400 Pa
120m³/h
99.97%
<60dB*

Dimension (LxWxH) (approx) : 470 x 230 x 350mm

* at distance of 1 meter & also at typical speed of turbine

shown trademarks are property of their respective owners.

Warranty is 12 months from the date of invoice. It excludes all consumable parts as Filters, Extraction Arms and Hoods

2-Operators powerful Solder Fumes Extraction System FES2-75ESDLC

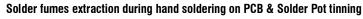


Couple of 100's (in repeat orders) working reliably all over India for the last many years



Click here to view Video







Speed Control Regulator

Scope of Supply

- 1xESD Safe Black Colour Main unit
- 2xESD Safe Extraction Arms (75mm dia, 1.2 meter long)
- 2xBurn proof Round Silicon Rubber Hoods
- 1xSpeed Control Regulator
- 2xSpare Pre-Filters

Specifications

Caster wheels for easy & effortless mobility

Input Power Supply : 230V/50Hz, 250W

• No of Workplaces : 2

Stationary Pressure : 3000 Pa
 Maximum Airflow Rate : 240m³/h
 Filtering Efficiency (0.3um) : 99.97%
 Noise Level : <60dB*

Dimension (LxWxH) (approx) : 470x230x500mm

* at distance of 1 meter & also at typical speed of turbine

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Warranty is 12 months from the date of invoice. It excludes all consumable parts as Filters, Extraction Arms and Hoods

2-Operators powerful Solder Fumes Extraction System FES2-75ESDTC



Metallic type

Square Hoods

Rigid Gooseneck Arms can be positioned anywhere

on table and will stay

in same place

Couple of 100's (in repeat orders) working reliably all over India for the last many years

3-Stage Filters for 99.97% fumes cleaning **Pre-Cut Metal Plate increases life of 3 Filters** Silent operation with low noise < 60 dBA* Reliable and powerful brushless Turbine



ESD Safe Fume Extraction Body with Caster Wheels for easy mobility

Digital Display Indicator



Airflow Setting **Switches**

Speed Control Regulator **Connector**



Plumbing required

No extra

just connect

supplied hoses thru Table Clamps







Caster wheels for easy & effortless mobility



Click here to view Video

System Choke Alarm:

When display shows

circular movement

clockwise plus OFF and system beeps. it means any of Filters needs replacement.





Solder fumes extraction during hand soldering on PCB & Solder Pot tinning

Speed Control On/Off **Decrease** switch speed **Increase** speed

Speed Control Regulator

Scope of Supply

- 1xESD Safe Black Colour Main unit
- 2xESD Safe Extraction Arms (75mm dia, 0.8 meter long)
- 2xBench Clamps
- 2xSoft Connection Hose (1 meter long)
- 2xMetallic Square Hoods
- 2xMechanically rotatable Air Flow Controller
- 1xSpeed Control Regulator
- 2xSpare Pre-Filters

Specifications

 Input Power Supply : 230V/50Hz, 250W

 No of Workplaces : 2

 Stationary Pressure 3000 Pa Maximum Airflow Rate 240m³/h Filtering Efficiency (0.3um) : 99.97% Noise Level : <60dB*

 Dimension (LxWxH) (approx) : 470x230x500mm

* at distance of 1 meter & also at typical speed of turbine

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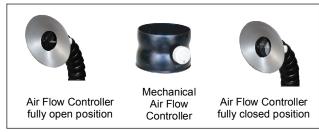
powerful maintenance-free Brushless Turbine • supplied with all accessories







Fumes Air Purification during hand soldering on PCB & Solder Pot tinning



Air Flow Controlling Knob to control the Air Flow

Specifications

Input Power Supply : 230V/50Hz, 250W

No of Workplaces :

Stationary Pressure
Maximum Airflow Rate
Filtering Efficiency (0.3um)
Noise Level
3000 Pa
250m³/h
99.97%
<60dB*

Dimension (LxWxH) (approx) : 470 x 230 x 350mm

Scope of Supply

- 1xMain Extraction unit
- 1xExtraction Arm (75mm dia, 1.5 meter long)
- 1xRound Metallic Hood (300mm dia)
- 1xSpeed Control Regulator
- 1xMechanical Air Flow Controller
- 5xSpare Pre-Filters

* at distance of 1 meter & also at typical speed of turbine

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Powerful ready-to-use Solder Fumes Extraction System



Couple of 100's (in repeat orders) working reliably all over India for the last many years

Features

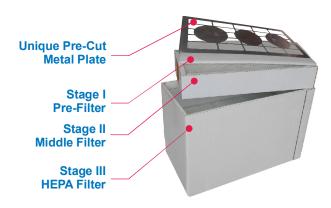
- · Hassle-free easy-to-start operation with all inclusive kit supplied
- Easy-to-manoeuver positioning of Fumes Extraction Arms
- Reliable & virtually maintenance-free Brushless DC Turbine
- Has low noise (< 60 dBA) in operation as compared to other competitor's models
- Special Filters design removes hazardous gaseous/adhesive substances from fumes.
- Normally low cost Pre-Filter only needs periodic replacement when there is choking
- Quick delivery of all spares parts as we keep enough stocks of the same all the time



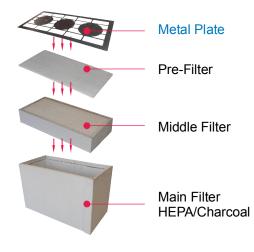
Length of the Extraction Arm is easily adjustable, as this is made from press-fit type small sections which are easily adjustable in length by selection of these sections as per required length.

Our Fume Extractions systems are volume extraction type powerful ready-to-use. These are designed for continuous and reliable working on production line. There is powerful and maintenance-free brushless turbine combined with electronic speed control, provides clean working environment at low maintenance cost. The electronic Speed Controller regulates air-flow volume continuously.

Ready-to-use Solder Fumes Extraction Systems are fitted with 3-stage Filters: Pre-Filter, Middle Filter and HEPA Filter. Combination of these Filters cleans polluted air by separating 99.9% contaminated solder fumes. This System is designed for use both in industrial and laboratory environment. All it needs is the Mains Input Power Supply only.



Details of 3-Stage Filters used in this Fume Extraction System



- Metal Plate: Metal Plate on top to increase the life of Filters
- Stage I Pre-Filter (F7): The Pre-Filter filters the bigger size particles for prolonging the life of both Middle and Main Filters.
- Stage II Middle Filter: It filters coarse size fume particles to prolong life of expensive HEPA/Charcoal Filter
- Stage III Main HEPA/Charcoal Filter (H13): This Filter is a combination of HEPA (filters fine size fume particles) and Activated Charcoal (absorbs harmful gas substances) Filters to provide clean air finally.
- 1. Normally Pre-Filter only needs periodic replacement when there is less suction of fumes.
- 2. These Filters should never be washed nor should be cleaned with compressed air at all.

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HEPA Filter (High-efficient Filter Paper: Material - Fiberglass)

Refers to Q/320000BXS16-2006 Efficiency and resistance tested by sodium flame						
Item	Test	Specification	Test results			
1	Appearance	White and even	White and even			
2	Thickness: mm	0.32-0.34	0.33			
3	Gram weight: g/m²	1	75.8			
4	Strength: KN/m	≥1.2 (Portrait)	1.33			
•	Suengui. Kiviii	≥0.5 (Lateral)	0.724			
5	Efficiency: 0.321/min.c m²	≥98 (0.3um)	99.97 (0.3um)			
6	Resistance: 0.321/min.c m²	≤220	196			
7	Stiffness: Mn.m	≥1.2	1.55			

Middle Filter (Middle Filter Paper: Material - Fiberglass)

Refers to Q/320000BXS16-2006 Efficiency and resistance tested by sodium flame						
Item	Test	Specification	Test results			
1	Appearance	White and even	White and even			
2	Thickness: mm	0.32-0.34	0.34			
3	Gram weight: g/m²	1	69.7			
	Ctronath: I/N/m	≥1.2 (Portrait)	1.44			
4	Strength: KN/m	≥0.5 (Lateral)	0.733			
5	Efficiency: 0.321/min.c m²	≥60	66.67			
6	Resistance: 0.321/min.c m²	30-40	36			
7	Stiffness: Mn.m	≥1.2	1.75			

Pre-Filter (Filter Material - Polypropylene)

Item	Gram per square meter: g/m2	Free state thickness: mm	Filter speed: m/s	Initial resistance: Pa	Artificial dust efficiency: %	Dust capacity: g/m2
1	350	5-6	1	323	78	110

Partial User References (not complete list) of our Fume Extraction Systems



SNo.	Customer's Name & City	Qty	SNo.	Customer's Name & City	Qty
1	ABB Ltd., Bangalore	9	43	Ericsson India Pvt. Ltd., Jaipur	2
2	ABB Global Industries & Services Pvt. Ltd., Bangalore	1	44	EL GI Rubber Co. Ltd., Coimbatore	1
3	ACE Manufacturing Systems Ltd., Bangalore	5	45	F.J.Tech. Pvt. Ltd., Bangalore	3
4	ADS Sensortechnik Pvt. Ltd., Bangalore	1	46	Flextronics Tech (I) Pvt. Ltd., Kanchipuram	37
5	Airtech Enterprises, New Delhi	2	47	Fokkar Elmo Sasmos Interconnection Sys. Ltd., Bangalore	1
6	Alstrut India Private Limited, Chennai	1	48	Gallium Arsenide Enabling Technology Centre, Hyderabad	3
7	Amphenol Omniconnect India Pvt. Ltd., Tamilnadu	3	49	Gamesa Renewable Pvt. LtdChennai	1
8	Anicad Systems, Bangalore	5	50	Genus Power Infrastructures Ltd., Jaipur	32
9	Apex Electronics, Hyderabad	5	51	Genus Power Infrastructures Ltd., Haridwar	10
10	Army Base Workshop, Agra	28	52	Genus Power Infrastructures Ltd., Guwahati	3
11	Arya Electronics, Trivandrum	1	53	Goodrich Aerospace Services Pvt. Ltd., Bangalore	90
12	Astra Microwave Products Ltd., Telangana	4	54	Hanning Motors Pvt.Ltd., Vadodara	1
13	Atlantic Maritime Services Pvt. Ltd., Mumbai	1	55	HCL Technologies Ltd., Chennai	2
14	Aviohelitronics Systems Pvt. Ltd., Bangalore	1	56	Hella India Automotive Pvt. Ltd., Gurgaon	1
15	Balaji Sales, Indore	1	57	Hindustan Aeronautics Ltd., Hyderabad	46
16	Bharat Electronics Ltd., Jalahalli, Bangalore	226	58	Hindustan Aeronautics Ltd., Korwa	6
17	Bharat Electronics Ltd., CRL, Bangalore	3	59	Honeywell Technology Solutions Lab. Pvt. Ltd., Bangalore	11
18	Bharat Electronics Ltd., Ghaziabad	6	60	Honeywell Technology Solutions Lab. Pvt. Ltd., Madurai	2
19	Bharat Electronics Ltd., Machilipatam	2	61	Honoch Automotive Pvt. Ltd., Cochin	2
20	Bharat Electronics Ltd,. Taloja, Navi Mumbai	2	62	IJPN Technologies (I) Pvt. Ltd., Pinjore	10
21	Bharat Electronics Ltd., Pune	18	63	Inductotherm (India) Pvt. Ltd., Ahemdabad	1
22	Bharatiya Reserve Bank Note Mudran Ltd., Mysore	2	64	Intellic Systems, Bengaluru	1
23	Bhavyabhanu Electronics (P) Ltd., Hyderabad	4	65	ISRO Inertial Systems Unit, Trivandrum	15
24	Bloom Energy India Pvt. Ltd., Bangalore	2	66	ISRO Satellite Centre, Bangalore	3
25	Blue Chip Electronics, Secunderabad	37	67	ITI Ltd., Palakkad	6
26	BPL Medical Technologies Ltd., Palakkad	1	68	Jay Cee & Company, New Delhi	1
27	BTL India Pvt. Ltd., Bangalore	1	69	JNS Instruments Limited, Gurgaon	3
28	Buffalo Grid Private Ltd., New Delhi	1	70	Kaynes Technology India Pvt. Ltd., Manesar	1
29	CET Power Solutions India Pvt. Ltd., Chennai	3	71	Kent RO System Ltd., Roorkee	3
30	Centum Electronics Ltd., Bangalore	5	72	Kent RO System Ltd., Noida	4
31	Chara Technologies, Chennai	1	73	Keltron Electro Ceramics Ltd., Kuttipuram (Kerala)	2
32	Continental Automotive Comp. (I) Pvt. Ltd., Bangalore	1	74	KELTRON, Thiruvananthapuram	43
33	Cyient DLM Private Ltd., Mandya	7	75	Landis Gyr Ltd., Kolkata	1
34	Danfoss Industries Pvt. Ltd., Chennai	1	76	Larsen & Turbo Ltd., Mysore	7
35	Danlaw Electronics Assembly Ltd., Goa	2	77	Larsen & Turbo Ltd., Mumbai	2
36	Deptt. of Atomic Energy, Chennai	1	78	Larsen & Turbo Ltd., Bangalore	3
37	Dhiman Associated, Chandigarh	1	79	L&T Technology Services Ltd., Bangalore	1
38	Divine Techno Engineers, Vadodara	13	80	Liquid Propulsion Systems Centre, Trivandrum	6
39	EFD Induction Pvt. Ltd., Bangalore	2	81	Lupin Ltd., Pune	1
40	Effee Induction Pvt. Ltd., Bangalore	1	82	Luwa India Pvt. Ltd., Bangalore	1
41	Efftronics Systems Pvt. LTd., Vijayawada	1	83	Marathon Electric India Pvt. Ltd., Faridabad	2
42	Epcos India Pvt. Ltd., Nashik	1	84	Marquardt India Pvt. Ltd., Pune	1
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SNo.	Customer's Name & City	Qty	SNo.	Customer's Name & City	Qty
85	Mediatek India Technologies Pvt. Ltd., Noida	1	127	Sieko-Maracia Electricals Mfg. (I) Pvt. Ltd. Chennai	1
86	Mersen India Private Limited, Bangalore	14	128	Siemens ltd., Aurangabad	1
87	Motherson Sumi System Limited., Noida	1	129	Sigma Microsystems Pvt. Ltd.	1
88	Microchip Technology India Pvt. Ltd., Chennai	1	130	Sigma Freudenberg NOK Pvt. Ltd., Basma/Mohali	2
89	Molex India Pvt. Ltd., Bangalore	21	131	SLN Technologies Pvt. Ltd., Bangalore	1
90	Molex India Business Services Pvt. Ltd., Bangalore	2	132	Smash Electronics, Pune	1
91	Mr. Bhatia, Mumbai	1	133	Songrow Developers India Pvt. Ltd., Bangalore	1
92	NR Oils, Halol, Gujarat	1	134	SMC Pneumetic (India) Pvt. Ltd., Bangalore	1
93	Muffalddal Tool & Hardware, Bangalore	2	135	Space Application Centre, Ahemdabad	3
94	Multilink, Mysore	4	136	Spectrum Infotech Private Limited, Bangalore	2
95	Narayana Hrudayalaya Ltd., Bangalore	3	137	Stead Fast Engineers Pvt. Ltd., Faridabad	6
96	National Atmospheric Research Laboratory, Godanki	1	138	Stellar Information Technology Pvt. Ltd., Gurgaon	1
97	Nuclear Power Corporation of India Ltd.	2	139	Success Solutions, Nashik	1
98	Nucon Aerospace Pvt. Ltd., Telangana	1	140	Suprajit Engineering Limited, Bangalore	1
99	Ordnance Cable Factory, Chandigarh	14	141	Synergy Enterprises, Chandigarh	24
100	Panasonic India Private Ltd., Gurgaon	1	142	Syrma Technology Pvt. Ltd., Chennai	14
101	Payal Mechanical & Engineering Works, Chandigarh	26	143	System Control Technology Solution (P) Ltd., Bangalore	1
102	PICL (India) Pvt. Ltd., Faridabad	5	144	SVS Industries	1
103	PVR Control, Mumbai	3	145	Tata Power Company Limited, Bangalore	1
104	Raja Ramanna Centre for Advanced Technology, Indore	1	146	TE Connectivity India Pvt. Ltd., Bangalore	2
105	Rajshree Electro Systems, Thane	12	147	Texas Instrumets (I) Pvt. Ltd., Bangalore	1
106	Rama Exports, Mumbai	1	148	Terminal Ballstics Research Laboratory, Chandigarh	1
107	Rangsons Electronics Pvt. Ltd., Mysore	27	149	The Aluminium industries Ltd., Trivandrum	11
108	Raphe MPhibr Pvt. Ltd., Noida	1	150	Titan Industries Ltd., Hosur	3
109	Rcube Technologies, Noida	1	151	Titan Company Ltd., Bangalore	1
110	Refurb Tech. Chennai	1	152	Titan Tyrecare Products Ltd., Coimbatore	1
111	Research Centre Imarat (RCI), Hyderabad	10	153	Toyota Techno Park India Pvt. Ltd., Ramnagar	1
112	Rieter India Pvt. Ltd., Coimbatore	1	154	Tractors & Form Equipment Ltd., Chennao	2
113	Robert Boss Engg. Business Solutions P. Ltd., Bangalore	2	155	Trasccon Interconnections Systems Pvt. Ltd., Bangalore	1
114	RP Network System, Bangalore	1	156	Urban Engineering Association Pvt. Ltd., Kolkata	1
115	R. R. Rao Satellite Centre, Bangalore	2	157	Varroc Engg. Pvt. Ltd., Aurangabad	2
116	Rudrapur Repair Centre Schneider Electric, Rudrapur	2	158	Venimadhav Moolchand Suppliers, Kanpur	6
117	Russel TechSys (Division of Russel (I) Ltd.), Bangalore	4	159	V-Guard Industries Ltd., Cochin	1
118	Salzer Electronics Ltd., Coimbatore	1	160	Vikram Sarabhai Space Centre, Thiruvanthapuram	63
119	SAMEER, Chennai	3	161	Zones Corporate Solution Pvt. Ltd.	1
120	Sasmos HET Technologies Pvt. Ltd., Bangalore	10			
121	Schneider Electronic India Pvt. Ltd., Bangalore	1			
122	Schneider Electronic India Pvt. Ltd., Hyderabad	4			
123	Semi-Conductor Laboratory, Mohali	8			
124	Semikron Electronics Pvt. Ltd., Navi Mumbai	2			
125	Shivalik Bimetal Controls Limited, Solan	5			
126	Shree Annapurna Enterprises, Bangalore	1			

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never miss on any Soldering Operator's Workbench



ESD Safe Table Top type Solder Fume Absorber Model I493ESD

Adjustable Angle & Useful Accessories of Solder Fume Absorber provide unique advantage and flxibility of use

Adjustable extension arm positions Fume Absorber at desired angle and position to maximize the absorption of the solder fumes, besides saving workbench space







Common Specifications for both models:

- Removes noxious fumes quickly, operator will not inhale the same directly.
- Clamp type design saves your work space
- Easier and convenient extension arm provides easy angle adjustment as per solder fumes absorption requirement
- Replaceable filter is made from urethane with refined, activated high absorption carbon
- Power consumption: 20 watt
- Input supply: 220V AC, 50 Hz

Useful accessories supplied with ESD Safe Solder Fume Absorbers



Attachment to connect the hose to re-direct the solder fumes outside the working area.



Attachment to re-direct the solder fumes so that the fume is not inhaled by other operators

Replacement Filter P/N: IRF493 Spare replacement Filters available normally ex-stock.



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