



CATALOGUE



FRESHWELD®



A global brand that supports all the workers in the industry work in a healthy environment and provides solution for all facilities whose air will be cleaned in the World

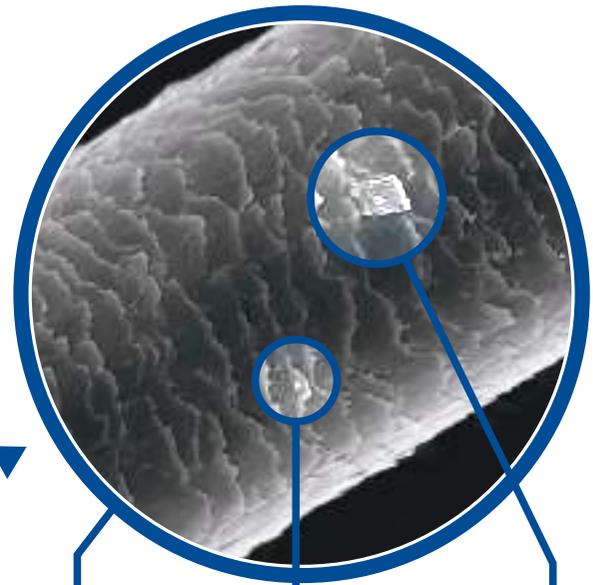
*The right choice of professional solutions, **FRESHWELD** products are produced by an expert production team of 30 people in production facilities located on a closed area of 16,000 m².*

We develop the most accurate solutions in the fields of air suction, filtering and ventilation, which are indispensable for our business partners with our wide product segment and high quality production philosophy that gives importance to details.

PARTICULATES

Particulate Matter (PM)

Due to the increasing air pollution in our world, the effect of particles on human health has begun to be studied more comprehensively. As a result, it has emerged that fine dust creates a serious health hazard, causing respiratory diseases and cancer, and has become the agenda.



Source: wiki.com

Human Hair
75 μm ~ 150 μm

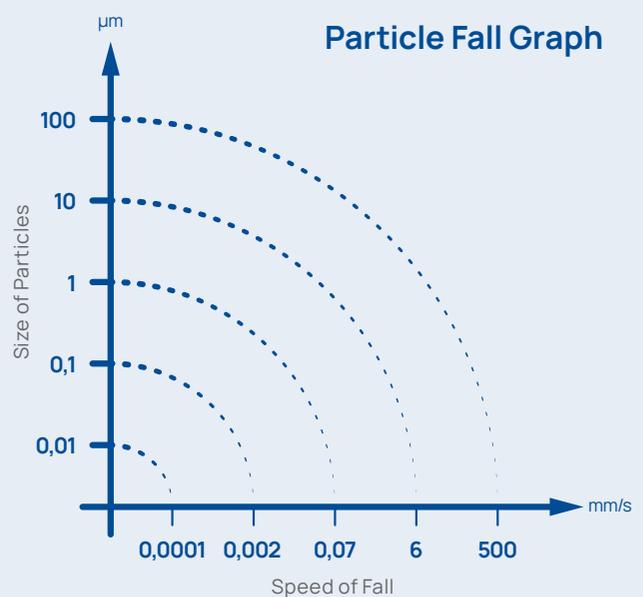
Particles
5 μm ~ 10 μm

Particles
Smaller than 1 μm

Source: freepik.com

Particles larger than 10 μm in the atmosphere precipitate very quickly and can only hang in the air near their source and with strong winds.

In a room without air flow, the falling rates of the particles occur as in the graph.

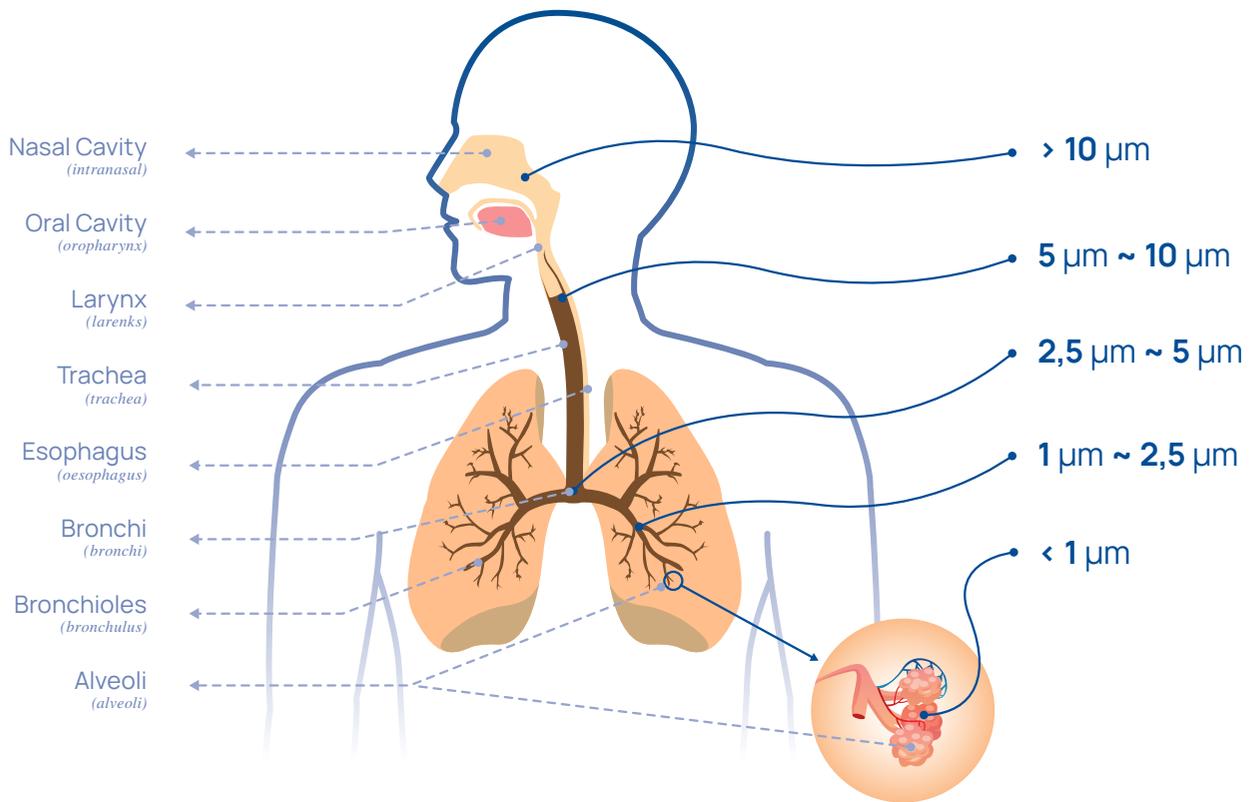


Dimensions of Smoke and Dust Generated in the Industry

Most particles larger than **10 µm** in diameter are visible to the naked eye with the appropriate angle of light and contrast. Under normal conditions, our eyes can see particles of **30 µm** and above.

i 1 µm = 1/1000mm

- The first image on the graph is approximately **500 µm**
- The thickness of human hair is **100 µm**
- The smallest particle that can be seen by naked eye **>10 µm**
- Particles harmful to human health **<5 µm**
- Coarse dusts generated from industrial applications **>10 µm**
- Fine dusts generated from industrial applications **<10 µm**
- Welding fume **<1 µm** (0,2 - 0,8 µm)



5 µm ~ 10 µm

Larger particles in the 5 µm-10 µm range are separated and retained by the upper respiratory tract. From here, it is quickly swallowed or easily expelled by coughing.

2,5 µm ~ 5 µm

Particles in the range of 2.5 µm-5 µm are most likely to be retained in human lungs and are sent back to the upper respiratory system without going deep into the lungs.

1 µm ~ 2,5 µm

Particles in the range of 1 µm-2.5 µm are retained in the bronchi and cause risks to human health.

1 µm

Particles in the range of 1 µm and below are small enough to pass through the cell membranes of the alveoli and mix into the blood stream.

Why **ISO16890** standard is needed instead of **EN779**

According to the **EN779:2012** standard, a synthetic dust known as ASHRAE is used for efficiency test of an air filter.

The test is performed by loading the filter with this dust in the laboratory environment and the evaluation is made by calculating the efficiency value of only **0.4 µm** particle size.

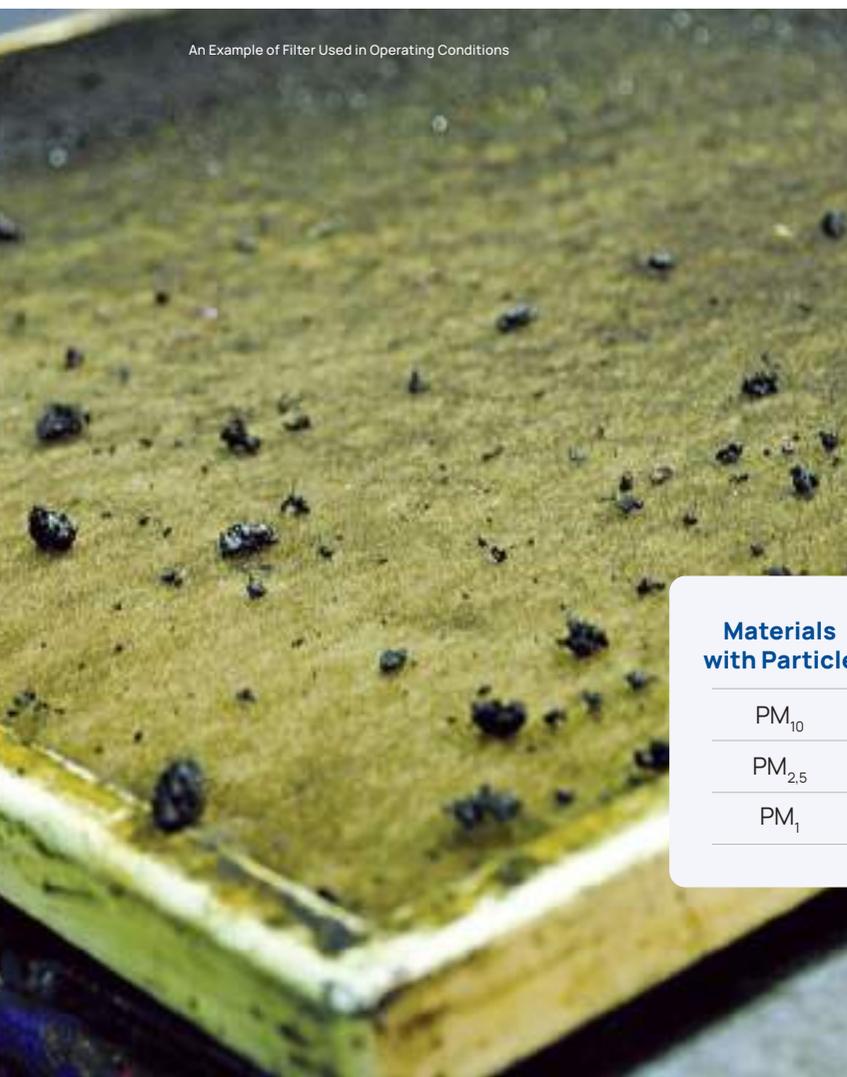


Filter Test Laboratory. Source: www.apcfilters.com



ASHRAE Test Dust. Source: testdust.dmt-group.com

An Example of Filter Used in Operating Conditions



In operating conditions, filters are exposed to pollutants in a different particle size range. Therefore, these values obtained in the laboratory environment are insufficient to determine the performance of an air filter.

For that reason, with **ISO16890** standard, filter users will have the opportunity to choose the filter much more precisely suitable for their needs.

Materials with Particle	Size Range
PM ₁₀	≤ 10 µm
PM _{2,5}	≤ 2,5 µm
PM ₁	≤ 1 µm

The **ISO16890** standard, unlike the EN779 standard, calculates the particle size in the range of **0.3 µm -10 µm** for efficiency evaluation.

(Particulate Matter = PM)

FILTER SELECTION CHART

	Particle Size	EN 779	Average Efficiency	ISO 16890
PRE Filters	> 10 µm	G2	65 ≤ Am < 80	Coarse 40%
	3 ~ 10 µm	G3	80 ≤ Am < 90	Coarse 50%
		G4	90 ≤ Am	Coarse 70%

	Particle Size	EN 779	Average Efficiency	ISO 16890		
				ePM ₁	ePM _{2.5}	ePM ₁₀
SENSITIVE Filters	1 ~ 3 µm	M5	40 ≤ Em < 60	5% ~ 35%	10% ~ 45%	40% ~ 70%
		M6	60 ≤ Em < 80	10% ~ 40%	20% ~ 50%	60% ~ 80%
	0,3 ~ 1 µm	F7	80 ≤ Em < 90	40% ~ 65%	65% ~ 75%	80% ~ 90%
		F8	90 ≤ Em < 95	65% ~ 90%	75% ~ 95%	90% → 95%
		F9	95 ≤ Em	80% ~ 90%	85% ~ 95%	90% → 95%

	Particle Size	Average Efficiency	EN 1822	Average Efficiency
EPA Filters		Ē % @ 0,3 µm		Ē % @ MPPS
	0,3 ~ 1 µm	≤ 95	E 10	≤ 85
	< 0,3 µm	≤ 98	E 11	≤ 95
		≤ 99.99	E 12	≤ 99.5

	Particle Size	Average Efficiency	EN 1822	Average Efficiency
HEPA Filters	< 0,3 µm	Ē % @ 0,3 µm		Ē % @ MPPS
		≤ 99.997	H 13	≤ 99.95
		≤ 99.999	H 14	≤ 99.995

	Particle Size	Average Efficiency	EN 1822	Average Efficiency
ULPA Filters	0,2 ~ 0,1 µm	Ē % @ 0,12 µm		
		≤ 99.9995	U 15	≤ 99.9995
		≤ 99.99995	U 16	≤ 99.99995
		≤ 99.999995	U 17	≤ 99.999995



PRODUCT SELECTION CHART

MOBILE	Mobile Filters That Are Advised For Welding Application	M1	M2	M3
	Unalloyed & Low-alloyed steel (Nickel and Chromium additive < %30)	☑	☑	☑
	High Alloyed Steel (Nickel and Chromium additive > %30)	✗	✗	☑
STATIONARY	Stationary Filters That are Advised for Welding Application		SM	SMK
	Unalloyed & Low-alloyed steel (Nickel and Chromium additive < %30)		☑	☑
	High Alloyed Steel (Nickel and Chromium additive > %30)		✗	☑
TABLE	Downdraft Tables That are Advised for Welding Application		KMF	KTF
	Unalloyed & Low-alloyed steel (Nickel and Chromium additive < %30)		☑	☑
	High Alloyed Steel (Nickel and Chromium additive > %30)		✗	☑
HIGH VACUUM	High Vacuum Units That are Advised for Welding Application		TORFIL/125	TORFIL/500
	Corner Weld		☑	☑
	Butt Weld		✗	✗
ROBOTIC	Units that are Advised for Robotic Welding Applications	SMK/920	i8	TORFIL/500
	Fume Extraction from Closed Cabin	☑	☑	✗
	Fume Extraction from Torch	✗	✗	☑
	Fume Extraction with Hood	✗	☑	✗
DUST COLLECTION	Dust Collection	Mobile JetPulse	KTF JetPulse	PULSATRON
	ISO ePM ₁	☑	☑	☑
	ISO ePM _{2,5}	✗	☑	☑
	ISO ePM ₁₀	✗	✗	☑
OILMIST	Oil Mist / Smoke	SKY	MIST COMPACT	MCOS
	Coolants Coolant oil and Water Emulsion	☑	☑	☑
	Cutting and Petroleum Oil 100%	✗	✗	☑
AMBIENT VENTILATION	Units that are advised for the ventilation of Big Workshops		PULSATRON	NOVUS
	Push&Pull Central Type Mixed Ventilation		☑	✗
	Central Type Displacement Ventilation		☑	✗
	Fully Automatic Displacement Ventilation		✗	☑



	Mobile Filtration System	M1/1100 MobilEco 8 M2/2100 10 M2/2200 12 M3/2100 14 M3/2200 16
	Stationary Filtration System	SM/910 18 SM/920 20 SMK/910 22 SMK/920 24
	Downdraft Welding & Grinding Tables	KMF Series 26 KTM Series 28 VIZOR Options 30 KTF Series 32
	Robotic Welding Hoods	i8 Series / 10 34 i8 Series / 15 35 i8 Series / 20 35 i8 Series Modular Hood Size List 36
	Fume Extraction Arms	TSA Series 38 TSB Series 40 TSF Series 40
	Fume Extraction Fans	MDT Series 42
	Welding Safety Equipments	KP Series 44 MP Series 46
	Central Filtration Systems	Pulsatron Compact 48
	Filter Towers For Ambient Ventilation	NOVUS Filter Tower 50 NOVUS Filter Tower W3 52
	Oil-Mist Filtration Systems	SKY Multilayer 54 SKY Cartridge 56 MIST Compact 58 MCOS 60

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CE Certified
EN ISO



Mobile Unit
Lockable Wheels



2m Single Arm
Strong Extraction



Activated Carbon Filter
Odor and Gas Retention



E12 EPA Filter
≤ 99.99 (EN 1822)



F9 Fine Filter
95 ≤ Em (EN 779)



Low Decibels 65 db
Low than Vacuum Cleaner



1x230V/50Hz
Ask For Voltage Options



Standard Pallet Packaging
Shrunk with Cord Strap

Specifications

- Low energy consumption, high performance
- Movable thanks to its wheeled structure
- Minimizing the loss of worktime by carrying out the maintenance only during filter change time thanks to the filter indicator buttons
- Minimizing the risk of fire related to the sparks thanks to its washable aluminium mesh pre filter
- Easy to use on welding process thanks to its 2 meter extraction arm connection
- Possible to add alternative filter options without changing the current body
- 2,7m feeding cable

Usage Areas

- Suitable for filtering fume occurred during welding process
- Suitable for laser marking and processing machines
- Suitable for processing unalloyed and low-alloy steel
- Suitable for filtering low level of fume

M1/1100 SERIES	EXTRACTION ARM LENGTH	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES			DIMENSIONS (mm)			WEIGHT
				1°	2°	3°	W	L	H	
FW CODE	(mt)	(m³/h)	(kW)							(kg)
101M111000	w/o Arm	1000	0,55	G4 Mesh	F9 - 9m²	—	480	480	830	49
101M111002	1 x 2	850	0,55	G4 Mesh	F9 - 9m²	—	480	480	830	59
102M111000	w/o Arm	1000	0,55	G4 Mesh	F9 - 9m²	Activated Carbon - 3,3 kg	480	480	830	55
102M111002	1 x 2	850	0,55	G4 Mesh	F9 - 9m²	Activated Carbon - 3,3 kg	480	480	830	65
103M111000	w/o Arm	1000	0,55	G4 Mesh	E12 - 14m²	—	480	480	830	49
103M111002	1 x 2	850	0,55	G4 Mesh	E12 - 14m²	—	480	480	830	59
104M111000	w/o Arm	1000	0,55	G4 Mesh	E12 - 14m²	Activated Carbon - 3,3 kg	480	480	830	55
104M111002	1 x 2	850	0,55	G4 Mesh	E12 - 14m²	Activated Carbon - 3,3 kg	480	480	830	65



MobilEco

M2/2100

Mobile
Filtration
Systems



CE Certified
EN ISO



Mobile Unit
Lockable Wheels



Single Acrobat Arm
Strong Extraction



E12 EPA Filter
≤ 99.99 (EN 1822)



F9 Fine Filter
95 ≤ Em (EN 779)



Low Decibels 72 db
Almost a Vacuum Cleaner



3x400V/50Hz
Ask For Voltage Options



Standard Pallet Packaging
Shrunk with Cord Strap

Specifications

- Movable thanks to its wheeled structure
- Reachable to desired area thanks to its flexible arm structure
- Fully complies with European Machinery Safety Regulation
- Minimizing the loss of worktime by carrying out the maintenance only during filter change time thanks to the filter indicator buttons
- Minimizing the risk of fire related to the sparks thanks to its aluminium spark arrestor
- If the phase sequence is wrong or there is a missing phase, the device will not work and the motor will be protected from burning
- If the fan turns in the opposite direction, the warning lamp comes on.
- 3m feeding cable

Usage Areas

- Designed for filtering fume and fine dust occurred during welding process
- Suitable for processing unalloyed and low-alloy steel
- Suitable for filtering low and medium level of fume and dust

M2/2100 SERIES	EXTRACTION ARM LENGTH	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES			DIMENSIONS (mm)			WEIGHT
				1°	2°	3°	W	L	H	
FW CODE	(mt)	(m³/h)	(kW)							(kg)
111M221000	w/o Arm	1300	1,1	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	96
111M221002	1 x 2	1300	1,1	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	106
111M221003	1 x 3	1300	1,1	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	113
111M221004	1 x 4	1300	1,1	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	117
112M221000	w/o Arm	1300	1,1	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	96
112M221002	1 x 2	1300	1,1	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	110
112M221003	1 x 3	1300	1,1	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	106
112M221004	1 x 4	1300	1,1	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	111



Length of the Arm :
Can be ordered as
2, 3 or 4 meters

 **Voltage Options**
Please Ask

M2/2200

Mobile
Filtration
Systems



CE Certified
EN ISO



Mobile Unit
Lockable Wheels



Double Acrobat Arm
Strong Extraction



E12 EPA Filter
≤ 99.99 (EN 1822)



F9 Fine Filter
95 ≤ Em (EN 779)



Low Decibels 72 db
Almost a Vacuum Cleaner



3x400V/50Hz
Ask For Voltage Options



Standard Pallet Packaging
Shrunk with Cord Strap

Specifications

- Possible to use at 2 different welding sources at the same time thanks to the flexible arm structure
- Unused arm could be closed easily thanks to flow rate adjustable damper
- Fully complies with European Machinery Safety Regulation
- Minimizing the loss of worktime by carrying out the maintenance only during filter change time thanks to the filter indicator buttons
- Minimizing the risk of fire related to the sparks thanks to its aluminium spark arrestor
- If the phase sequence is wrong or there is a missing phase, the device will not work and the motor will be protected from burning
- If the fan turns in the opposite direction, the warning lamp comes on.
- 3m feeding cable

Usage Areas

- Designed for filtering fume and fine dust occurred during welding process
- Suitable for processing unalloyed and low-alloy steel
- Suitable for filtering low and medium level of fume and dust

M2/2200 SERIES	EXTRACTION ARM LENGTH	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES			DIMENSIONS (mm)			WEIGHT
				1°	2°	3°	W	L	H	
FW CODE	(mt)	(m³/h)	(kW)							(kg)
111M222000	w/o Arm	1000 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	99
111M222002	2 x 2	850 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	119
111M222003	2 x 3	850 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	133
111M222004	2 x 4	850 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	141
112M222000	w/o Arm	1000 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	99
112M222002	2 x 2	850 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	119
112M222003	2 x 3	850 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	133
112M222004	2 x 4	850 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	141



Length of the Arm :
Can be ordered as
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 **Voltage Options**
Please Ask

M3/2100

Mobile
Filtration
Systems



CE Certified
EN ISO



Mobile Unit
Lockable Wheels



Single Acrobat Arm
Strong Extraction



Activated Carbon Filter
Odor and Gas Retention



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Shrunk with Cord Strap

Specifications

- Movable thanks to its wheeled structure
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- If the phase sequence is wrong or there is a missing phase, the device will not work and the motor will be protected from burning
- If the fan turns in the opposite direction, the warning lamp comes on.
- 3m feeding cable

Usage Areas

- Designed for filtering fume and fine dust occurred during welding process
- Suitable for processing unalloyed and low-alloy steel
- Suitable for filtering low, medium or high level of fume and dust

M3/2100 SERIES	EXTRACTION ARM LENGTH	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES				DIMENSIONS (mm)			WEIGHT
				1°	2°	3°	4°	W	L	H	
FW CODE	(mt)	(m³/h)	(kW)								(kg)
121M321000	w/o Arm	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	122
121M321002	1 x 2	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	132
121M321003	1 x 3	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	139
121M321004	1 x 4	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	143
122M321000	w/o Arm	1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	122
122M321002	1 x 2	1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	132
122M321003	1 x 3	1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	139
122M321004	1 x 4	1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	143



Length of the Arm :
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2, 3 or 4 meters

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Please Ask

M3/2200

Mobile
Filtration
Systems



CE Certified
EN ISO



Mobile Unit
Lockable Wheels



Double Acrobat Arm
Strong Extraction



Activated Carbon Filter
Odor and Gas Retention



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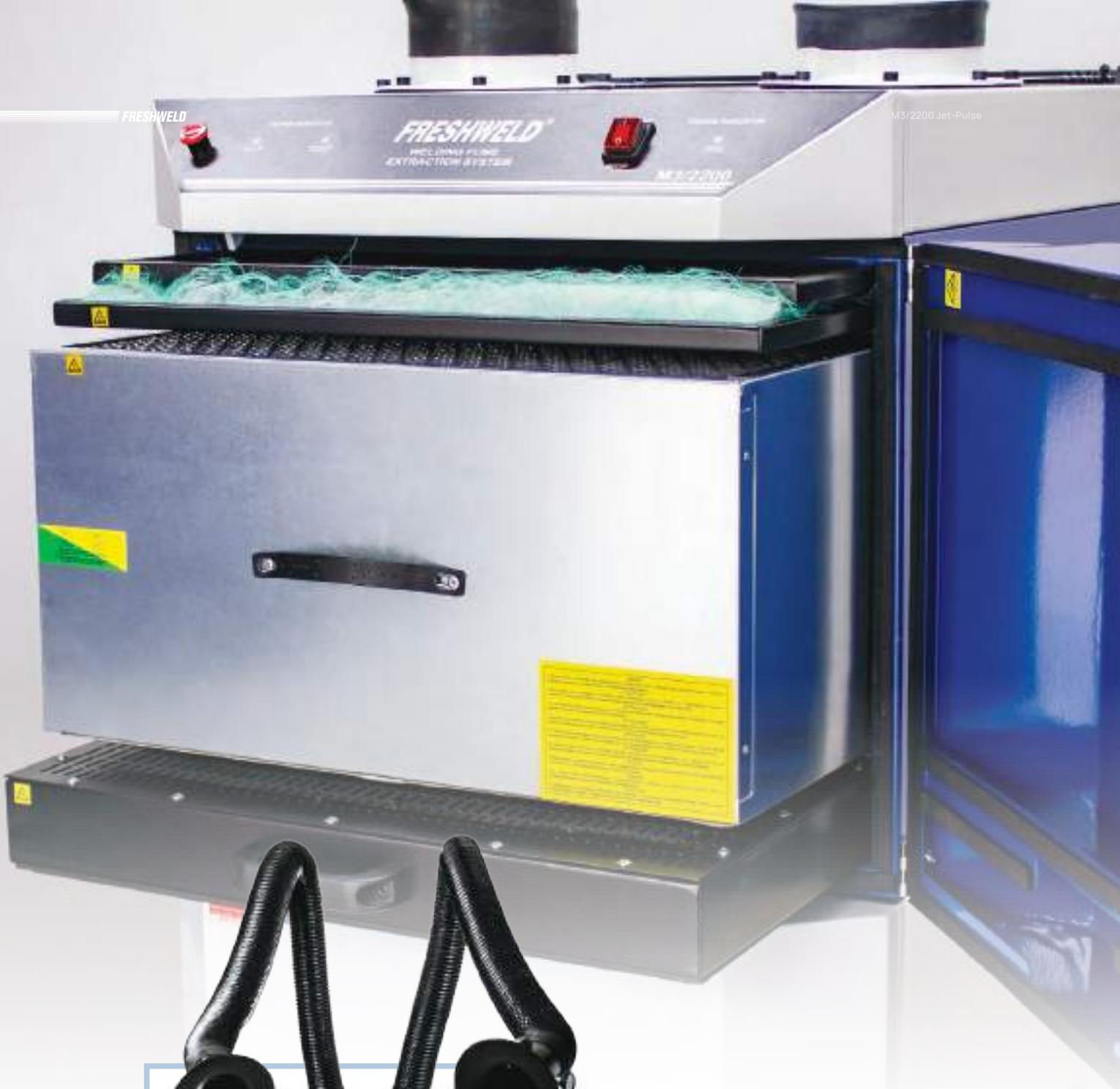
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- Minimizing the risk of fire related to the sparks thanks to its aluminium spark arrestor
- If the phase sequence is wrong or there is a missing phase, the device will not work and the motor will be protected from burning
- If the fan turns in the opposite direction, the warning lamp comes on.
- 3m feeding cable

Usage Areas

- Designed for filtering fume and fine dust occurred during welding process
- Suitable for processing unalloyed and low-alloy steel
- Suitable for filtering low, medium or high level of fume and dust

M3/2200 SERIES	EXTRACTION ARM LENGTH	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES				DIMENSIONS (mm)			WEIGHT
				1°	2°	3°	4°	W	L	H	
FW CODE	(mt)	(m³/h)	(kW)								(kg)
121M322000	w/o Arm	1000 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	125
121M322002	2 x 2	750 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	145
121M322003	2 x 3	750 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	159
121M322004	2 x 4	750 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	167
122M322000	w/o Arm	1000 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	125
122M322002	2 x 2	750 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	145
122M322003	2 x 3	750 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	159
122M322004	2 x 4	750 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	167



Length of the Arm :
Can be ordered as
2, 3 or 4 meters

 **Voltage Options**
Please Ask



CE Certified
EN ISO



Stationary Unit
Space Advantages



Single Acrobat Arm
Length Options up to 7m



E12 EPA Filter
≤ 99.99 (EN 1822)



F9 Fine Filter
95 ≤ Em (EN 779)



Low Decibels 72 db
Almost a Vacuum Cleaner



3x400V/50Hz
Ask For Voltage Options



Standard Pallet Packaging
Shrunk with Cord Strap

Specifications

- Easy to use in workshops with limited spaces
- Reachable to desired area thanks to its flexible arm structure
- Fully complies with European Machinery Safety Regulation
- Minimizing the loss of worktime by carrying out the maintenance only during filter change time thanks to the filter indicator buttons
- Minimizing the risk of fire related to the sparks thanks to its aluminium spark arrestor
- If the phase sequence is wrong or there is a missing phase, the device will not work and the motor will be protected from burning
- If the fan turns in the opposite direction, the warning lamp comes on.
- Easy access thanks to external control panel

Usage Areas

- Designed for filtering fume and fine dust occurred during welding process
- Suitable for processing unalloyed and low-alloy steel welding
- Suitable for filtering low and medium level of fume and dust

SM/910 SERIES	EXTRACTION ARM LENGTH	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES			DIMENSIONS (mm)			WEIGHT
				1°	2°	3°	W	L	H	
FW CODE	(mt)	(m³/h)	(kW)							(kg)
211SM91000	w/o Arm	1300	1,1	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	96
211SM91002	1 x 2	1300	1,1	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	106
211SM91003	1 x 3	1300	1,1	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	113
211SM91004	1 x 4	1300	1,1	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	117
212SM91000	w/o Arm	1300	1,1	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	96
212SM91002	1 x 2	1300	1,1	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	106
212SM91003	1 x 3	1300	1,1	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	113
212SM91004	1 x 4	1300	1,1	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	117



Length of the Arm :
Can be ordered as
2, 3, 4, 5, 6 or 7
meters

 **Voltage Options**
Please Ask



CE Certified
EN ISO



Stationary Unit
Space Advantages



Double Acrobat Arm
Length Options up to 7m



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- Suitable for processing unalloyed and low-alloy steel welding
- Suitable for filtering low and medium level of fume and dust

SM/920 SERIES	EXTRACTION ARM LENGTH	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES			DIMENSIONS (mm)			WEIGHT
				1°	2°	3°	W	L	H	
FW CODE	(mt)	(m³/h)	(kW)							(kg)
211SM92000	w/o Arm	1000 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	99
211SM92002	2 x 2	850 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	119
211SM92003	2 x 3	850 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	133
211SM92004	2 x 4	850 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	650	750	1125	141
212SM92000	w/o Arm	1000 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	99
212SM92002	2 x 2	850 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	119
212SM92003	2 x 3	850 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	133
212SM92004	2 x 4	850 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	650	750	1125	141



Length of the Arm :
Can be ordered as
2, 3, 4, 5, 6 or 7
meters

 **Voltage Options**
Please Ask



CE Certified
EN ISO



Stationary Unit
Space Advantages



Single Acrobat Arm
Length Options up to 7m



Activated Carbon Filter
Odor and Gas Retention



E12 EPA Filter
≤ 99.99 (EN 1822)



F9 Fine Filter
95 ≤ Em (EN 779)



Low Decibels 72 db
Almost a Vacuum Cleaner



3x400V/50Hz
Ask For Voltage Options



Standard Pallet Packaging
Shrunk with Cord Strap

Specifications

- Easy to use in workshops which has limited spaces
- Reachable to desired area thanks to its flexible arm structure
- Fully complies with EU Machinery Safety Regulation
- Minimizing the loss of worktime by carrying out the maintenance only during filter change time thanks to the filter indicator buttons
- Minimizing the risk of fire related to the sparks thanks to its aluminium spark arrestor
- If the phase sequence is wrong or there is a missing phase, the device will not work and the motor will be protected from burning
- If the fan turns in the opposite direction, the warning lamp comes on.
- Easy access thanks to external control panel

Usage Areas (Activated Carbon Filter)

- Designed to filter fume, dust and vapour occurred during welding and chemical applications
- Suitable for unalloyed, low alloyed and high alloyed steel welding
- Suitable for filtering vapour occurred during light level of chemical applications
- Proper to use for suction of odor molecules as well

Usage Areas (HEPA Filter)

- Designed to filter fume occurred during welding applications of high alloy metals
- Suitable for unalloyed, low alloyed and high alloyed steel welding
- Suitable for filtering vapour occurred during light and medium level of fume and dust
- It is suitable for environments where Hepa filter is required to return the purified air to the same ambient

SMK/910 SERIES	EXTRACTION ARM LENGTH	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES				DIMENSIONS (mm)			WEIGHT
				1°	2°	3°	4°	W	L	H	
FW CODE	(mt)	(m³/h)	(kW)								(kg)
221SMK9100	w/o Arm	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	122
221SMK9102	1 x 2	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	132
221SMK9103	1 x 3	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	139
221SMK9104	1 x 4	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	143
222SMK9100	w/o Arm	1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	122
222SMK9102	1 x 2	1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	132
222SMK9103	1 x 3	1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	139
222SMK9104	1 x 4	1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	143



Hanger Installation Example



Length of the Arm :
Can be ordered as
2, 3, 4, 5, 6 or 7
meters

 **Voltage Options**
Please Ask



CE Certified
EN ISO



Stationary Unit
Space Advantages



Double Acrobat Arm
Length Options up to 7m



Activated Carbon Filter
Odor and Gas Retention



E12 EPA Filter
≤ 99.99 (EN 1822)



F9 Fine Filter
95 ≤ Em (EN 779)



Low Decibels 72 db
Almost a Vacuum Cleaner



3x400V/50Hz
Ask For Voltage Options



Standard Pallet Packaging
Shrunk with Cord Strap

Specifications

- Easy to use in workshops which has limited spaces
- Reachable to desired area thanks to its flexible arm structure
- Fully complies with EU Machinery Safety Regulation
- Minimizing the loss of worktime by carrying out the maintenance only during filter change time thanks to the filter indicator buttons
- Minimizing the risk of fire related to the sparks thanks to its aluminium spark arrestor
- If the phase sequence is wrong or there is a missing phase, the device will not work and the motor will be protected from burning
- If the fan turns in the opposite direction, the warning lamp comes on.
- Easy access thanks to external control panel

Usage Areas (Activated Carbon Filter)

- Designed to filter fume,dust and vapour occurred during welding and chemical applications
- Suitable for unalloyed,low alloyed and high alloyed steel welding
- Suitable for filtering vapour occurred during light level of chemical applications
- Proper to use for suction of odor molecules as well

Usage Areas (HEPA Filter)

- Designed to filter fume occurred during welding applications of high alloy metals
- Suitable for unalloyed,low alloyed and high alloyed steel welding
- Suitable for filtering vapour occurred during light and medium level of fume and dust
- It is suitable for environments where Hepa filter is required to return the purified air to the same ambient

SMK/920 SERIES	EXTRACTION ARM LENGTH	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES				DIMENSIONS (mm)			WEIGHT
				1°	2°	3°	4°	W	L	H	
FW CODE	(mt)	(m³/h)	(kW)								(kg)
221SMK9200	w/o Arm	1000 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	125
221SMK9202	2 x 2	750 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	145
221SMK9203	2 x 3	750 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	159
221SMK9204	2 x 4	750 - 1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	Activated Carbon - 12 kg	650	750	1285	167
222SMK9200	w/o Arm	1000 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	125
222SMK9202	2 x 2	750 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	145
222SMK9203	2 x 3	750 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	159
222SMK9204	2 x 4	750 - 1300	1,5	G2 Mesh	G4 Coarse	E12 - 40m²	Activated Carbon - 12 kg	650	750	1285	167

FRESHWELD



SMK/920

FRESHWELD



Length of the Arm :
Can be ordered as
2, 3, 4, 5, 6 or 7
meters

 **Voltage Options**
Please Ask



CE Certified
EN ISO



Mobile Unit
Lockable Wheels



Downdraft Welding Table
Size Options Available



F9 Fine Filter
95 ≤ Em (EN 779)



Shield Options
Shield Visor & Height



Low Decibels 72 db
Almost a Vacuum Cleaner



3x400V/50Hz
Ask For Voltage Options



Standard Pallet Packaging
Shrunk with Cord Strap

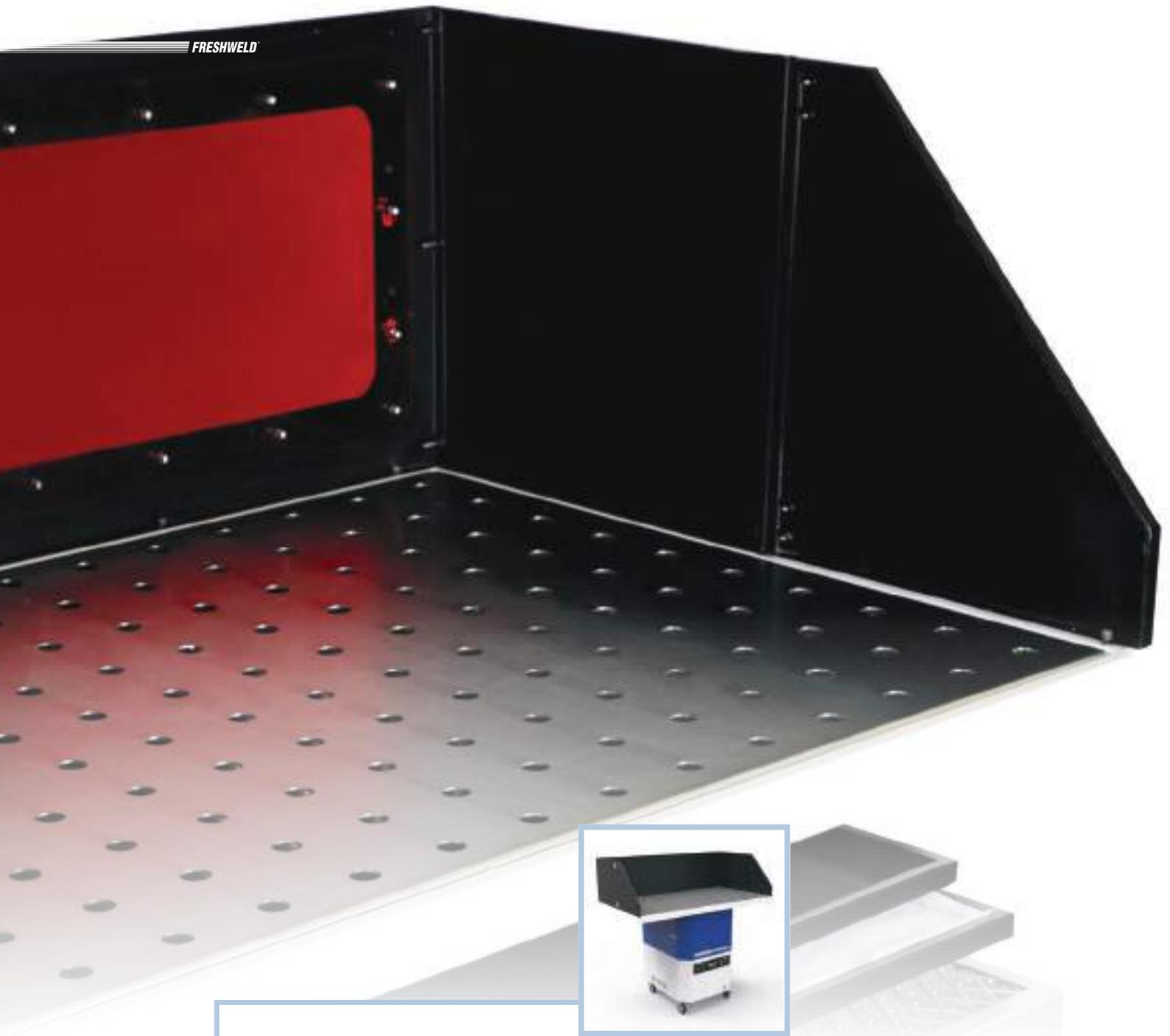
Specifications

- Movable thanks to its wheeled structure
- Fume and dust are extracted before reaching to operator's respiratory tract thanks to downdraft extraction
- Fully complies with European Machinery Safety Regulation
- Minimizing the loss of worktime by carrying out the maintenance only during filter change time thanks to the filter indicator buttons
- Minimizing the risk of fire related to the sparks thanks to its washable aluminium mesh pre filter
- If the phase sequence is wrong or there is a missing phase, the device will not work and the motor will be protected from burning
- If the fan turns in the opposite direction, the warning lamp comes on
- 3 m feeding cable

Usage Areas

- Designed for filtering fume occurred during welding applications
- Possible to use to prevent spreading fine dust occurred during grinding applications to the area
- Suitable for filtering low and medium level of fume

KMF SERIES	TABLE DIMENSIONS	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES			DIMENSIONS (mm)			WEIGHT
				1°	2°	3°	W	L	H	
FW CODE	(mt)	(m³/h)	(kW)							(kg)
301KMF1000	800x1000	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	800	1000	1030	120
301KMF1250	800x1200	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	800	1200	1030	125
301KMF1500	800x1500	1300	1,5	G2 Mesh	G4 Coarse	F9 - 25m²	800	1500	1030	130



Shield Height
400mm ~ 650mm

Table Length
1000mm ~ 1200mm ~ 1500mm

 **Voltage Options**
Please Ask

 **Shield Options**
see: Shields



CE Certified
EN ISO



Integrated with Central System
Working Table Without Filter and Fan Motor



Downdraft Grinding Table
Size Options Available



Downdraft Welding Table
Size Options Available



Shield Options
Shield Visor & Height



Standard Pallet Packaging
Shrunk with Cord Strap

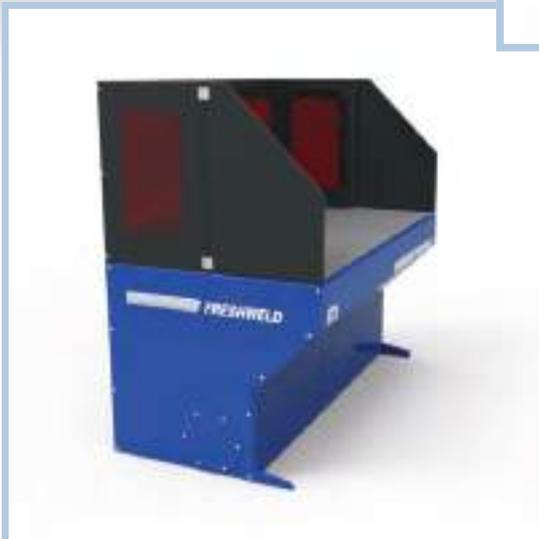
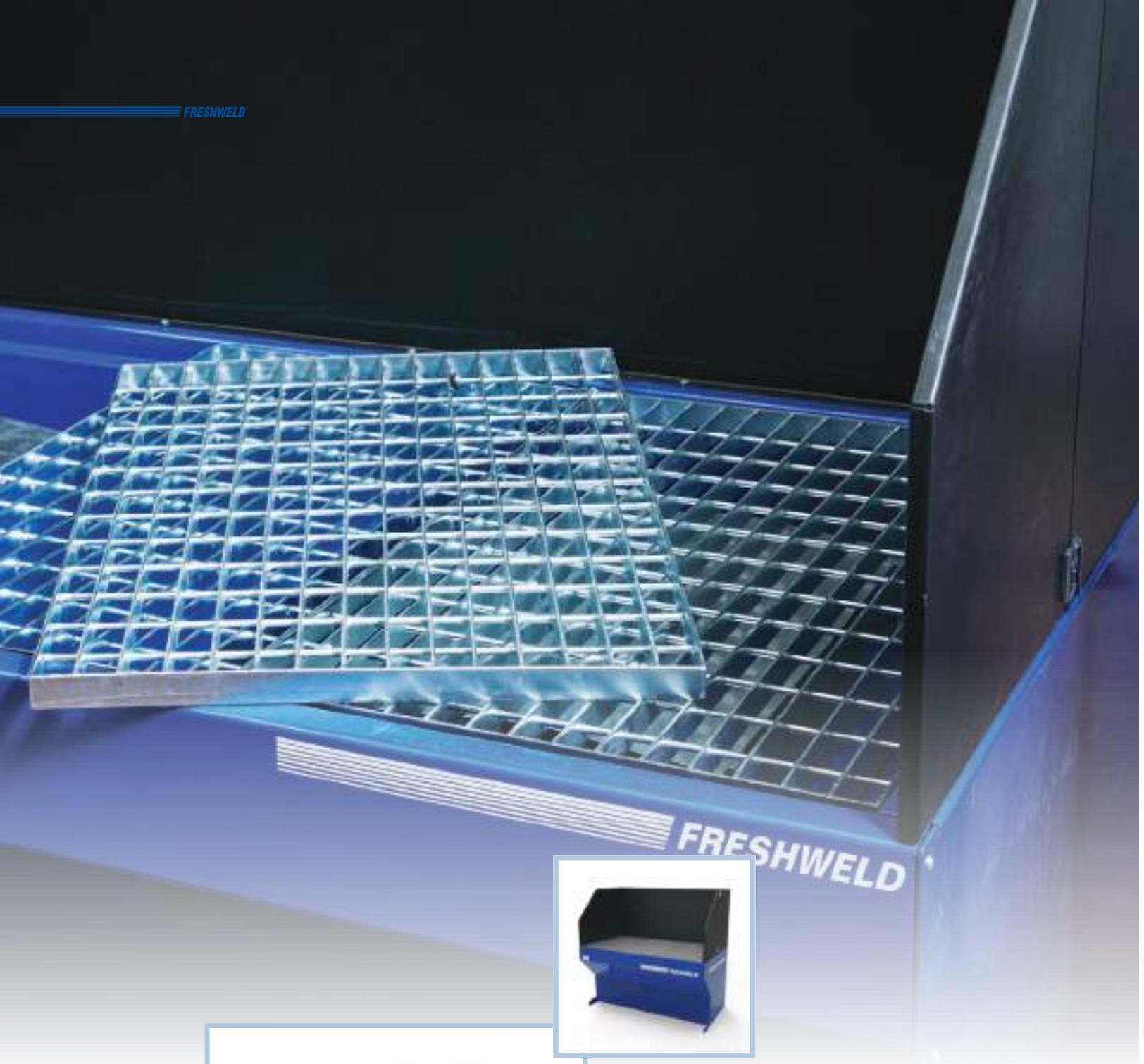
Specifications

- Fume and dust are sucked before reaching to operator's respiratory tract thanks to downdraft extraction
- It supplies safe working environment thanks to its durable material structure
- Easy to clean collected particules thanks to integrated dust tray
- It is comfortable to work with its ergonomic design
- It has long-life with its thick and crom-coated grille
- Could be connected to the central ventilation system
- External filter or fan system could be connected
- Shield options prevent the particules to spread around

Usage Areas

- Designed for suction of dust occurred during grinding applications of small metal parts
- Suitable to use for welding applications
- Suitable for light and coarse level of grinding

KTM SERIES	TABLE DIMENSIONS	RECOMMENDED AIRFLOW	PRESSURE DROP	DIMENSIONS (mm)			INLET
	(mt)	(m ³ /h)	(Pa)	W	L	H	(Ø) - mm
321KTM1000	850x1000	3000	500	850	1000	750	150-200
321KTM1250	850x1200	3500	500	850	1200	750	150-200
321KTM1500	850x1500	4000	500	850	1500	750	150-200



Shield Height
400mm ~ 650mm

Table Length
1000mm ~ 1200mm ~ 1500mm



Voltage Options
Please Ask

SHIELDS

For KMF & KTM Models

KMF Shield Without Visor

KMF/1000	h: 400mm	311SPR1040
KMF/1250	h: 400mm	311SPR1240
KMF/1500	h: 400mm	311SPR1540
KMF/1000	h: 650mm	311SPR1065
KMF/1250	h: 650mm	311SPR1265
KMF/1500	h: 650mm	311SPR1565

KTM Shield Without Visor

KTM/1000	h: 400mm	331SPR1040
KTM/1250	h: 400mm	331SPR1240
KTM/1500	h: 400mm	331SPR1540
KTM/1000	h: 650mm	331SPR1065
KTM/1250	h: 650mm	331SPR1265
KTM/1500	h: 650mm	331SPR1565

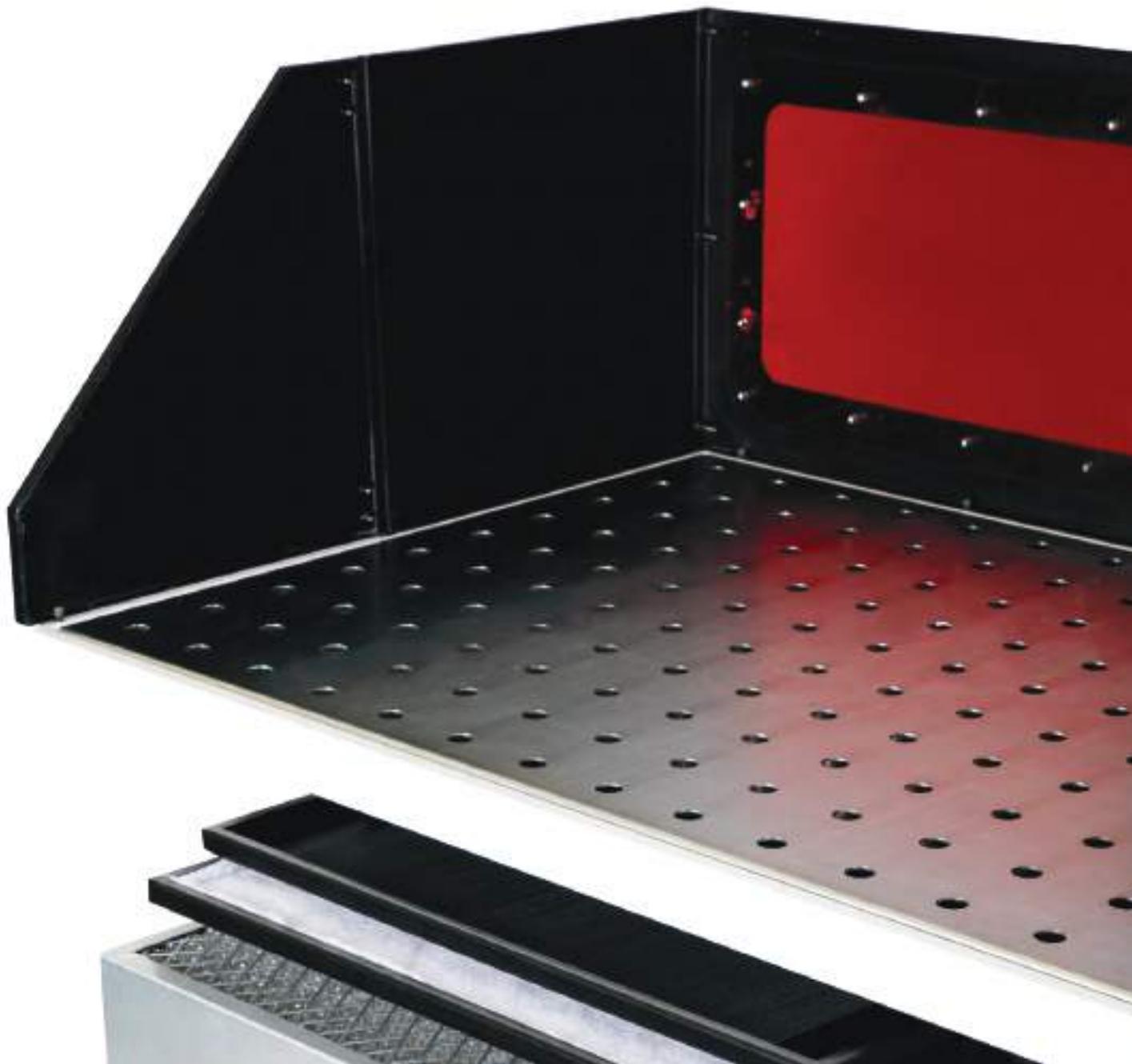


KMF Shield With Visor

KMF/1000	h: 400mm	31SPRP1040
KMF/1250	h: 400mm	31SPRP1240
KMF/1500	h: 400mm	31SPRP1540
KMF/1000	h: 650mm	31SPRP1065
KMF/1250	h: 650mm	31SPRP1265
KMF/1500	h: 650mm	31SPRP1565

KTM Shield With Visor

KTM/1000	h: 400mm	33SPRP1040
KTM/1250	h: 400mm	33SPRP1240
KTM/1500	h: 400mm	33SPRP1540
KTM/1000	h: 650mm	33SPRP1065
KTM/1250	h: 650mm	33SPRP1265
KTM/1500	h: 650mm	33SPRP1565





CE Certified
EN ISO



Grinding Table
Size Options Available



F9 Fine Filter
95 ≤ Em (EN 779)



Shield Options
Shield Visor & Height



Low Decibels 72 db
Almost a Vacuum Cleaner



3x400V/50Hz
Ask For Voltage Options



Standard Pallet Packaging
Shrunk with Cord Strap

Specifications

- Fume and dust are sucked before reaching to operator's respiratory tract thanks to downdraft extraction
- It supplies safe working environment thanks to its durable material structure
- Easy to clean collected particules thanks to integrated dust tray
- It is comfortable to work with its ergonomic design
- Thanks to its wooden grill, the painted parts will not be scratched
- It prevents particles from spreading around with its three-sided closed shield system
- It provides high performance with low noise thanks to plug fan
- Movable with its wheeled structure

Usage Areas

- Designed for suction of dust occurred during grinding applications of small metal parts
- Suitable to use for welding applications
- Suitable for light and coarse level of grinding

KTF SERIES	FILTER CLEANING	AIRFLOW	MOTOR POWER	FILTER STAGES & FILTER TYPES			DIMENSIONS (mm)			WEIGHT
				Filter Quantity	Surface Area (m ²)	Shield Height	W	L	H	
FW CODE	4 -6 bar	(m ³ /h)	(kW)							(kg)
341KTF1500	Manual	3600	2,2	2	38 (2x19)	650	900	1500	800	350



Modular Wooden Grid
Your grinding products are protected from being scratched.



Modular Metal Grid
You can work more efficiently in partial or patterned welding works.



Shield Height
650mm



Voltage Options
Please Ask



i8/10 SERIES	NOMINAL DIMENSIONS	RECOMMENDED AIRFLOW	PRESSURE DROP	CURTAIN DIMENSIONS (mm)		INLET	EFFECTIVE DIMENSIONS (mm)			WEIGHT
FW CODE	(mt)	(m³/h)	(Pa)	W	L	(Ø) - mm	W	L	H	(kg)
4010I81010	1x1	800	300	300	1000	1x250	1200	1200	200	51
4010I81015	1x1,5	1200	300	300	1000	1x250	1200	1700	200	60
4010I81020	1x2	1600	300	300	1000	1x250	1200	2200	200	71
4010I81025	1x2,5	2000	300	300	1000	1x250	1200	2700	200	81
4010I81030	1x3	2400	300	300	1000	2x250	1200	3200	200	91
4010I81035	1x3,5	2800	300	300	1000	2x250	1200	3700	200	101
4010I81040	1x4	3200	300	300	1000	2x250	1200	4200	200	112
4010I81045	1x4,5	3600	300	300	1000	2x250	1200	4700	200	122
4010I81050	1x5	4000	300	300	1000	2x250	1200	5200	200	132
4010I81055	1x5,5	4400	300	300	1000	2x250	1200	5700	200	141

Specifications

- Supplies comprehensive solutions for your facility thanks to multiple assembly options
- Thanks to its modular design, it could be produced in special sizes for your application
- Welding curtains protect your personnel and equipment from sparks
- It filters 99% of extracted fumes with its integrated filter unit
- Easy access thanks to external control panel

Usage Areas

- Designed to extract fume occurred during robotic welding applications
- Thanks to its aesthetic design, it could be used as hood for different applications



CE Certified
EN ISO



Tailored Solutions
Size Options for Projects



New Generation Hood
for Robotic Welding



Integrated with Central System
Welding Hood Without Fan And Filter



Low Decibels 72 db
Almost a Vacuum Cleaner



Standard Pallet Packaging
Shrunk with Cord Strap



i8/15

Robotic
Welding
Hoods



i8/15 SERIES	NOMINAL DIMENSIONS	RECOMMENDED AIRFLOW	PRESSURE DROP	CURTAIN DIMENSIONS (mm)		INLET	EFFECTIVE DIMENSIONS (mm)			WEIGHT
FW CODE	(mt)	(m ³ /h)	(Pa)	W	L	(Ø) - mm	W	L	H	(kg)
4010I81515	1,5x1,5	1800	300	300	1000	1 x 250	1700	1700	200	72
4010I81520	1,5 x 2	2400	300	300	1000	1 x 315	2200	2200	200	85
4010I81525	1,5 x 2,5	3000	300	300	1000	1 x 315	2200	3200	200	97
4010I81530	1,5 x 3	3600	300	300	1000	2 x 250	2200	3700	200	101
4010I81535	1,5 x 3,5	4200	300	300	1000	2 x 250	2200	4200	200	123
4010I81540	1,5 x 4	4800	300	300	1000	2 x 315	2200	4700	200	136
4010I81545	1,5 x 4,5	5400	300	300	1000	2 x 315	2200	5200	200	149
4010I81550	1,5 x 5	6000	300	300	1000	2 x 315	2200	5700	200	161
4010I81555	1,5 x 5,5	6600	300	300	1000	2 x 315	2200	5700	200	173

i8/20

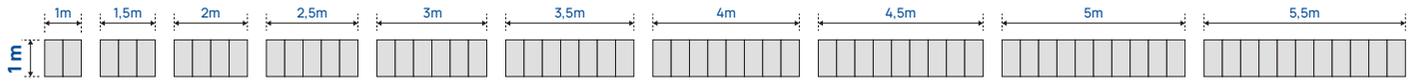
Robotic
Welding
Hoods



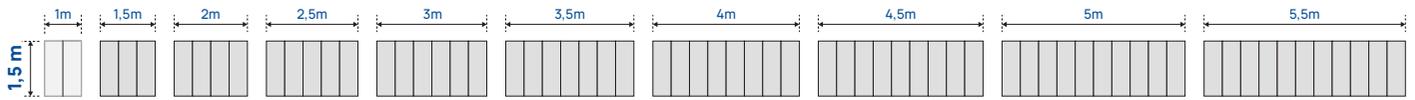
i8/20 SERIES	NOMINAL DIMENSIONS	RECOMMENDED AIRFLOW	PRESSURE DROP	CURTAIN DIMENSIONS (mm)		INLET	EFFECTIVE DIMENSIONS (mm)			WEIGHT
FW CODE	(mt)	(m ³ /h)	(Pa)	W	L	(Ø) - mm	W	L	H	(kg)
4010I82020	2x2	3200	300	300	1000	1 x 315	1700	2200	200	98
4010I82025	2 x 2,5	4000	300	300	1000	1 x 400	2200	2700	200	112
4010I82030	2 x 3	4800	300	300	1000	2 x 315	2200	3200	200	129
4010I82035	2 x 3,5	5600	300	300	1000	2 x 315	2200	3700	200	144
4010I82040	2 x 4	6400	300	300	1000	2 x 315	2200	4200	200	159
4010I82045	2 x 4,5	7200	300	300	1000	2 x 315	2200	4700	200	173
4010I82050	2 x 5	8000	300	300	1000	2 x 315	2200	5200	200	188
4010I82055	2 x 5,5	8800	300	300	1000	2 x 315	2200	5700	200	203



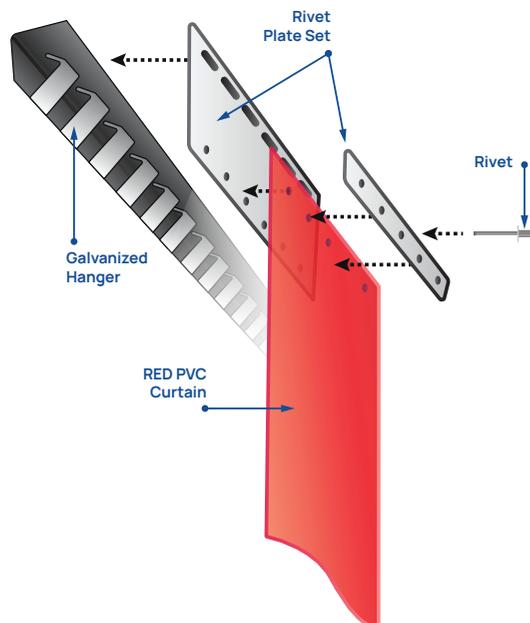
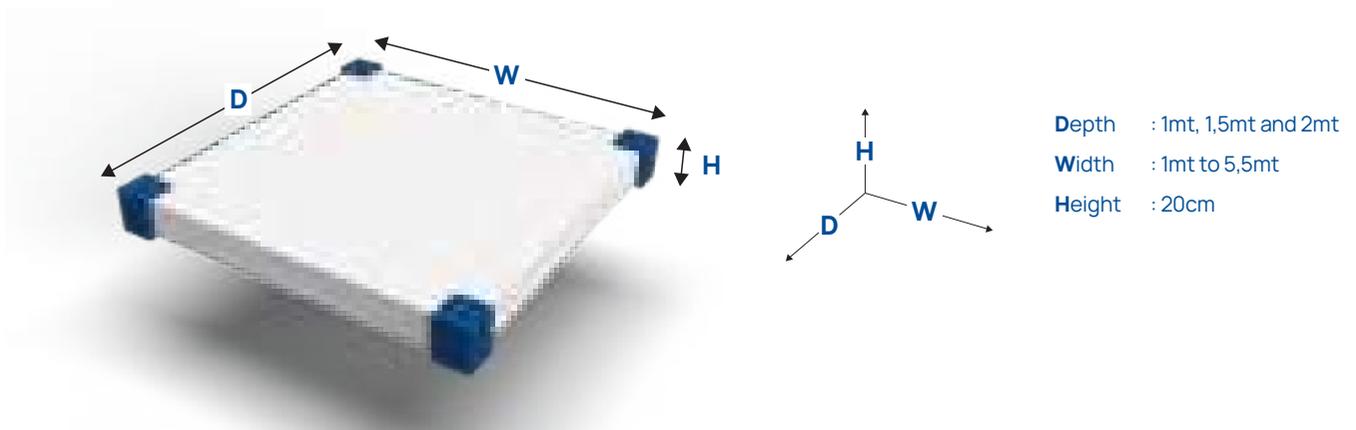
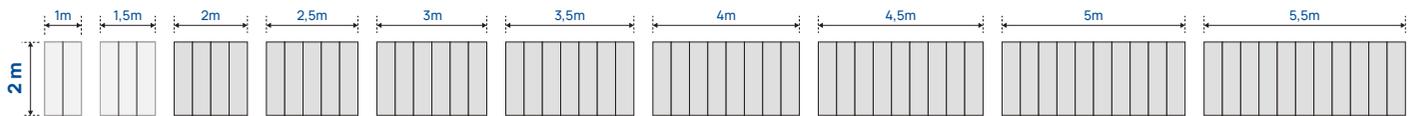
i8/10 Modular Hood Size List



i8/15 Modular Hood Size List



i8/20 Modular Hood Size List





Please Contact Us For
Tailored Solutions
To Your Projects



Voltage Options
Please Ask



Specifications

- Easy to use in workshops with limited spaces
- Reachable to desired area thanks to its flexible arm structure
- User friendly due to easy movement by one hand
- Protects arm position thanks to self supported design
- Acrobat arms can be connected to extraction ducts and fans with multiple connection options
- -40C ~ +90C durable anti-static Flame Retardant PU hose

Usage Areas

- Designed to connect to fans or central extraction systems
- Designed for extracting high level of dust and fume
- Suitable for extracting fume, gas, vapour and light dust

WALL TYPE EXTRACTION ARM	VERSION	ARM LENGTH	JOINT TYPE	DIAMETER	PLACE OF USE	MAX. OPERATING TEMPERATURE	HOOD MATERIAL	HOSE MATERIAL	AIRFLOW	PRESSURE DROP	WEIGHT
FW CODE		(mt)		(Ø) -mm		(°C)			(m³/h)	(Pa)	(kg)
911TSA0502	TSA/502	2	INTERNAL	150	WALL TYPE	90	ALUMINIUM	ANTISTATIC PU	700 - 1500	900 - 1800	10
911TSA0503	TSA/503	3	INTERNAL	150	WALL TYPE	90	ALUMINIUM	ANTISTATIC PU	700 - 1500	950 - 1850	17
911TSA0504	TSA/504	4	INTERNAL	150	WALL TYPE	90	ALUMINIUM	ANTISTATIC PU	700 - 1500	1000 - 1900	21
911TSA0522	TSA/522	2	OUTER	150	WALL TYPE	90	ALUMINIUM	PIPE-HOSE	700 - 1500	800 - 1700	12
911TSA0523	TSA/523	3	OUTER	150	WALL TYPE	90	ALUMINIUM	PIPE-HOSE	700 - 1800	850 - 1850	19
911TSA0524	TSA/524	4	OUTER	150	WALL TYPE	90	ALUMINIUM	PIPE-HOSE	700 - 1800	900 - 1800	23

WALL MOUNTING CONSOLE	VERSION	DESCRIPTION	INTEGRATED	WEIGHT
FW CODE			Acrobat arm used with wall mounting console	(kg)
911TSA0501	TSA/501	WALL MOUNTING CONSOLE	TSA/502 - TSA/503 - TSA/504 TSA/522 - TSA/523 - TSA/524	7



Console for wall mounting



Arm with Outer Joint



Arm with Internal Joint

Length of the Arm :
Can be ordered as
2, 3, 4, 5, 6 or 7
meters

TSB Series

Fume
Extraction
Arms



EXTRACTION ARM EXTENSION CONSOLE	VERSION	ARM LENGTH	NUMBER OF PARTS	DIAMETER	INTEGRATED	WEIGHT
FW CODE		(mt)		(Ø) -mm	For extend 5, 6 and 7 meter	(kg)
911TSB0503	TSB/503	3	2	150	TSA/502 - TSA/503 - TSA/504 TSA/522 - TSA/523 - TSA/524	46



TSF Series

Fume
Extraction
Arms



Specifications

- Easy to use in workshops with limited spaces
- Reachable to desired area thanks to its flexible arm structure
- Fully complies with European Machinery Safety Regulation
- Supplies reliable usage thanks to powerful aluminium fan
- Prevents motor failures thanks to motor protection switch

Usage Areas

- Designed for extracting high level of dust and fume
- Used in places where there is no need for filter
- Suitable for extracting fume, gas, vapour and light dust

WALL TYPE STATIONARY FAN	VERSION	MOTOR POWER	AIRFLOW	DIAMETER	INTEGRATED	WEIGHT
FW CODE		(kW)	(m³/h)	(Ø) -mm	Compatible with TSA series extraction arm	(kg)
921MSF1100	TSF/011	1,1	2900	150	TSA/503 - TSA/504 - TSA/523 TSA/524 and TSA/501	24
921MSF1500	TSF/015	1,5	4300	150	TSA/502 - TSA/503 - TSA/504 - TSA/522 TSA/523 - TSA/524 and TSA/501	36



TSF Series
Stationary Fan

Length of the Arm :
Can be ordered as
2, 3, 4, 5, 6 or 7
meters



CE Certified
EN ISO



Fume Extraction Fan
Integrated Extraction



Portable Unit
Movable Foot & Handle



Tailored Solutions
Size Options for Projects



High Performance
Extraction System



3x400V/50Hz
Ask For Voltage Options



Standard Pallet Packaging
Shrunk with Cord Strap

Specifications

- Easily movable to everywhere thanks to its wheeled structure
- Thanks to its flexible suction hose and magnet, it can be reached and fixed to the desired area
- Fully complies with European Machinery Safety Regulation
- Supplies reliable usage thanks to powerful aluminium fan
- Prevents motor failures thanks to motor protection switch

Usage Areas

- Designed for extracting high level of dust and fume
- Used in places where there is no need for filter
- Suitable for extracting fume, gas, vapour and light dust

MDT SERIES	VERSION	MOTOR POWER	AIRFLOW (max)	DIAMETER	WEIGHT
FW CODE		(kW)	(m ³ /h)	(Ø) -mm	(kg)
931MDT1100	MDT/011	1,1	2900	150	24
931MDT1500	MDT/015	1,5	4300	150	36



Extraction and Shot hoses can be ordered in separate sizes.



CE Certified
EN ISO



Welding Curtain
Protection For Others



Disassembled Screen
Easy To Store



Tailored Solutions
Size Options for Projects



ISO 25980:2014 Certified
HSE Welding Standarts



Standard Pallet Packaging
Shrunked with Cord Strap

Specifications

- Supplies comprehensive solutions for your facility thanks to multiple assembly options
- Thanks to its modular design, it can be produced in special sizes for your application
- Protects your personnel and equipments from welding arcs and spatter
- The curtain can be moved aside by rings
- Has certificates of DIN EN ISO 25980 / DIN EN 1598:2011-2

Usage Areas

- Separating individual work and facility area
- Protection against harmful beams, welding arcs and spatter

Options

- Can be produced on special sizes according to your project



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KP SERIES	COLOR	THICKNESS	DIMENSIONS (mm)		MATERIAL	CURTAIN TYPE	ROLL LENGTH	CERTIFICATE
			(mm)	W				
FW CODE								
9710KKP220	RED	2	200	1000	PVC	STRIP	50	UNCERTIFIED
9710KKP230	RED	2	300	1000	PVC	STRIP	50	DIN EN ISO 25980 / DIN EN 1598:2011-2
9710KKP212	RED	2	1200	1000	PVC	PLATE	20	DIN EN ISO 25980 / DIN EN 1598:2011-2
9710KKP014	RED	0,4	1400	1000	PVC	PLATE	50	DIN EN ISO 25980 / DIN EN 1598:2011-2





CE Certified
EN ISO



Welding Screen
Protection For Others



ISO 25980:2014 Certified
HSE Welding Standarts



Tailored Solutions
Size Options for Projects



Disassembled Screen
Easy To Store



Movable & Attachable
Lockable Wheels & Hooks



Standard Pallet Packaging
Shrunked with Cord Strap

Specifications

- Supplies comprehensive solutions for your facility thanks to multiple assembly options
- Thanks to its modular design, it could be produced in special sizes for your application
- Protects your personnel and equipment from sparks
- The curtain can be moved aside by rings
- Easy to store and move thanks to its disassembled feature
- Has certificates of DIN EN ISO 25980 / DIN EN 1598:2011-2

Usage Areas

- Separating individual work and facility area
- Protection against harmful beams, welding arcs and spatter

Options

- Can be produced on special sizes according to your project

MP SERIES	DESCRIPTION	DIMENSIONS (mm)			CURTAIN DIMENSIONS (mm)		
		L	H	Thickness	W	L	
FW CODE							
9720MP1420	PANEL MOBILE PROTECTIVE SCREEN WITH PLATE CURTAIN	1460	2000	0,4	1400	1800	DISASSEMBLE





TV SERIES PULSATRON	AIRFLOW	STATIC PRESSURE	MOTOR POWER	SURFACE AREA	FILTRATION SPEED	CONNECTIONS (mm)		DIMENSIONS (mm)		
FW CODE	(m ³ /h)	(Pa)	(kW)	(m ²)	(m ² /m ³ /min)	INLET	OUTLET	W	L	H
511PCTV003	1500 - 2500	2700 - 2100	3	40	1,04	Ø250	Ø300	930	850	2815
511PCTV004	2000 - 4000	3200 - 2100	4	40	1,66	Ø250	Ø300	930	850	2815
511PCTV005	5000 - 5800	1800 - 1500	4	80	1,21	Ø320	Ø300	930	850	2815
511PCTV006	4500 - 5500	3500 - 3000	7,5	80	1,14	2 x Ø250	405 x 362	930	1700	2425
511PCTV007	6000 - 7000	2000 - 1650	5,5	80	1,45	2 x Ø250	405 x 362	930	1700	2425
511PCTV008	7000 - 8000	2800 - 2650	7,5	80	1,66	2 x Ø250	405 x 362	930	1700	2425
511PCTV009	8000 - 9000	2650 - 2150	7,5	120	1,25	3 x Ø250	405 x 362	930	2550	2425
511PCTV010	9000 - 11000	2450 - 2200	2 x 5,5	160	1,14	4 x Ø250	2 x (405 x 362)	930	3400	2425
511PCTV011	11000 - 14000	3050 - 2800	2 x 7,5	160	1,45	4 x Ø250	2 x (405 x 362)	930	3400	2425

Specifications

- Commits emission value as $\leq 5 \text{ mg/Nm}^3$
- Low noise level of 68 – 75 dBA
- With integrated Jet-Pulse automatic filter cleaning system, it cleans own filters with compressed air.
- Adds aesthetics to your business with its modular structure
- It can be produced with a minimum capacity of 1000 m³/h and a maximum of 48000 m³/h

Options

- Silencers
- 3-color LED filter pollution indicator
- Integrated HEPA filter for absolute filtration
- Automatic dust discharge system
- Mechanical shaking system to clean the cartridges
- Start & Stop or frequency adjustable electrical panel
- Horizontal spark arresting cyclone for special applications

Usage Areas

- Designed for filtration of smoke and dust generated during industrial applications
- Suitable for welding, grinding, sandblasting, laser cutting, plasma cutting and polishing applications.



CE Certified
EN ISO



$\leq 5 \text{ mg/Nm}^3$
Commits for Emission Value



Jet-Pulse
Automatic Filter Cleaning



E12 EPA Filter
 ≤ 99.99 (EN 1822)



H13 HEPA Filter
 ≤ 99.997 (EN 1822)



H14 HEPA Filter
 ≤ 99.999 (EN 1822)



Cartridge
Cleanable Filter



Tailored Solutions
Size Options for Projects



Standard Pallet Packaging
Shrunk with Cord Strap

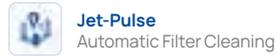


TVXL SERIES PULSATRON	AIRFLOW	STATIC PRESSURE	MOTOR POWER	SURFACE AREA	FILTRATION SPEED	CONNECTIONS (mm)		DIMENSIONS (mm)		
FWCODE	(m³/h)	(Pa)	(KW)	(m²)	(m²/m³/min)	INLET	OUTLET	W	L	H
513TVXL003	1500 - 2500	2700 - 2100	3	80	0,52	Ø250	Ø300	930	850	3415
513TVXL004	2000 - 4000	3200 - 2100	4	80	0,83	Ø250	Ø300	930	850	3415
513TVXL005	4000 - 5000	2100 - 1800	4	80	1,04	Ø300	Ø300	930	850	3415
513TVXL006	5000 - 5800	1800 - 1500	4	160	1,61	Ø320	Ø300	930	850	3415
513TVXL007	6000 - 7000	2000 - 1650	5,5	160	1,94	2 x Ø250	405 x 362	930	1700	3025
513TVXL008	7000 - 8000	2800 - 2650	7,5	160	0,83	2 x Ø250	405 x 362	930	1700	3025
513TVXL009	8000 - 9000	2650 - 2150	7,5	240	0,62	3 x Ø250	405 x 362	930	2550	3025
513TVXL010	9000 - 11000	2450 - 2200	2 x 5,5	320	0,57	4 x Ø250	2 x (405 x 362)	930	3400	3025
513TVXL011	11000 - 14000	3050 - 2800	2 x 7,5	320	0,73	4 x Ø250	2 x (405 x 362)	930	3400	3025

TSXL SERIES PULSATRON	AIRFLOW	SURFACE AREA	INTEGRATED	CONNECTIONS (mm)		DIMENSIONS (mm)		
FWCODE	(m³/h)	(m²)	* There is no fan in TSXL SERIES	INLET	OUTLET	W	L	H
515TSXL001	4000 - 8000	80	w/o fan	Ø250	Ø300	930	850	3415
515TSXL002	8000 - 16000	160	w/o fan	Ø250	Ø300	930	850	3415
515TSXL003	12000 - 24000	240	w/o fan	Ø300	Ø300	930	850	3415
515TSXL004	16000 - 32000	320	w/o fan	Ø320	Ø300	930	850	3415
515TSXL005	20000 - 40000	400	w/o fan	2 x Ø250	405 x 362	930	1700	3025
515TSXL006	24000 - 48000	480	w/o fan	2 x Ø250	405 x 362	930	1700	3025

NOVUS FilterTower

Filter Towers
For Ambient
Ventilation



Specifications

- Suitable for use in all sizes of workspaces
- The filter tower can work by itself. In addition, the hood does not need an air duct or chimney.
- It only needs electrical connection and compressed air connection for automatic filter cleaning for operation.
- Made of high-tech polycarbonate construction resistant to impacts, scratches and heat.
- Its capacity is standardized to be minimum 5000 m³/h and maximum 20000 m³/h

Usage Areas

- It is used in workspaces where the large parts are produced and local suction systems such as acrobat arms cannot be used.
- It can be used for emissions from different technical processing processes such as fumes, dust particles, aerosols and gaseous air pollutants.

Options

- Tested and manufactured according to IFA W3 standards
- Remote controllable
- Working only when the air is polluted with the air quality sensor and shutting itself off when the filtration is finished.
- Extra energy saving and noise reduction with the efficiency package
- Extra safety package for flying sparks and fire hazard
- Activated Carbon filter mats for gas cleaning and odor reduction
- Reduced operating costs with nano-fiber layers cartridges



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NOVUS SERIES	AIRFLOW (m ³ /h)	MOTOR POWER (kW)	FILTER STAGES & FILTER TYPES			TOTAL SURFACE AREA (m ²)	DIMENSIONS (mm)			WEIGHT (kg)
			1°	2°	3°		W	L	H	
FW CODE										
711NVSFT05	5000	5,5	4 x M6 - 20m ²	1 x F9 - 39m ²	3 x G4 - 4m ²	131m ²	2066	1756	3643	1590
711NVSFT10	10000	7,5	4 x M6 - 37m ²	1 x F9 - 39m ²	6 x G4 - 8m ²	235m ²	2066	1756	3643	1590
711NVSFT15	15000	11	6 x M6 - 37m ²	1 x F9 - 65m ²	6 x G4 - 8m ²	335m ²	2066	1756	3643	1590
711NVSFT20	20000	15	6 x M6 - 37m ²	1 x F9 - 65m ²	6 x G4 - 8m ²	335m ²	2066	1756	3643	1590



LCD Timer Screen



Particle Sensor





W3 IFA W3 Certification
Compatible with Standards

CE CE Certificated
EN ISO

Jet-Pulse
Automatic Filter Cleaning

Nano Filtering
Fiber Layered

Cartridge
Cleanable Filter

Plug & Run
All-in-One Standalone Unit

Standard Pallet Packaging
Shrunked with Cord Strap

Specifications

- Suitable for use in all sizes of workspaces
- The filter tower can work by itself. In addition, the hood does not need an air duct or chimney.
- It only needs electrical connection and compressed air connection for automatic filter cleaning for operation.
- Made of high-tech polycarbonate construction resistant to impacts, scratches and heat.
- Its capacity is standardized to be minimum 5000 m³/h and maximum 20000 m³/h

Usage Areas

- It is used in workspaces where the large parts are produced and local suction systems such as acrobat arms cannot be used.
- It can be used for emissions from different technical processing processes such as fumes, dust particles, aerosols and gaseous air pollutants.

Options

- Tested and manufactured according to IFA W3 standards
- Remote controllable
- Working only when the air is polluted with the air quality sensor and shutting itself off when the filtration is finished.
- Extra energy saving and noise reduction with the efficiency package
- Extra safety package for flying sparks and fire hazard
- Activated Carbon filter mats for gas cleaning and odor reduction
- Reduced operating costs with nano-fiber layers cartridges



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To Your Projects

NOVUS W3 CERTIFIED SERIES	AIRFLOW (m ³ /h)	MOTOR POWER (kW)	FILTER STAGES & FILTER TYPES			TOTAL SURFACE AREA (m ²)	DIMENSIONS (mm)			WEIGHT (kg)
			1°	2°	3°		W	L	H	
FW CODE										
711IFAW305	5000	5,5	4 x M6 Nano - 21m ²	1 x F9 - 39m ²	3 x G4 - 4m ²	135m ²	2066	1756	3643	1590
711IFAW310	10000	7,5	4 x M6 Nano - 37,8m ²	1 x F9 - 39m ²	6 x G4 - 8m ²	238,2m ²	2066	1756	3643	1590
711IFAW315	15000	11	6 x M6 Nano - 37,8m ²	1 x F9 - 65m ²	6 x G4 - 8m ²	339,8m ²	2066	1756	3643	1590
711IFAW320	20000	15	6 x M6 Nano - 37,8m ²	1 x F9 - 65m ²	6 x G4 - 8m ²	339,8m ²	2066	1756	3643	1590



W3	EN ISO 15012-1 $\eta \geq 99\%$ IFA Certified	W3
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M	DIN EN 60335-2-69 Dust Class M 0,2-2 μm %99,9	M
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CE Certified
EN ISO



Centrifugal System
Oil-Mist Filtration



G4 Coarse Filter
90 ≤ Am (EN 779)



H13 HEPA Filter
≤ 99.997 (EN 1822)



Multilayer Filter
High Efficiency Filtering



Between 62-65 db
Maybe a Vacuum Cleaner



Tailored Solutions
Size Options for Projects



Standard Pallet Packaging
Shrunked with Cord Strap

Specifications

- Centrifugal filtration
- Pre -filter module depending on process and projection
- The only and groundbreaking adjustment with 2 filters in the industry
- High filtration (H13) with 99.97% efficiency
- Compatible with every machine thanks to the compact structure
- Easy and fast installation
- Very efficient filtration
- A low noise level

Usage areas

- Drill oil and cutting connections, which are vital to machines and equipment, are harmful and dangerous to the environment and human health.
- During CNC operations, the friction of metals involved in the processing process in CNC processing machines ensures that the lubricants get overheated and change to Olienevel. Drill oil and cutting oil are often used for turning, milling, grinding, planing, pulling, drilling, drilling, cutting and wire cut.
- The Sky Oil Mist Filter Unit makes the return of purified air to the environment and the recycling and reuse of oil or emulsions possible and gaseous air pollutants.

SKY MULTILAYER	INLET	MOTOR POWER	AIRFLOW	NOISE LEVEL	FILTER TYPES & FILTER INFORMATION				SURFACE AREA	DIMENSIONS	WEIGHT
	(Ø) mm	(kW)	(m³/h)	dB(A)	FILTER TYPE	FILTER CLASS	FILTER	PLACE OF USE	(m²)	Ø x H / mm	(kg)
602SKY0250	100	0,12	250	62	Multilayer	G4	Fiber	Cooling Oil	0,23	39x47	17
602SKY0500	100	0,18	500	62	Multilayer	G4	Fiber	Cooling Oil	0,23	39x47	18
602SKY1000	150	0,37	1000	64	Multilayer	G4	Fiber	Cooling Oil	0,3	49x54	30
602SKY1500	150	0,55	1500	64	Multilayer	G4	Fiber	Cooling Oil	0,3	49x54	33
602SKY2000	200	0,75	2000	65	Multilayer	G4	Fiber	Cooling Oil	0,41	59x59	46
602SKY2500	200	1,1	2500	65	Multilayer	G4	Fiber	Cooling Oil	0,41	59x59	50



SKY Models are shipped with 2 meters long and Ø20mm diameter drainage hose and clamp.



CE Certified
EN ISO



Centrifugal System
Oil-Mist Filtration



G4 Coarse Filter
90 ≤ Am (EN 779)



H13 HEPA Filter
≤ 99.997 (EN 1822)



Cartridge
Cleanable Filter



Between 62-65 db
Maybe a Vacuum Cleaner



Tailored Solutions
Size Options for Projects



Standard Pallet Packaging
Shrunked with Cord Strap

Specifications

- Centrifugal filtration
- Pre -filter module depending on process and projection
- The only and groundbreaking adjustment with 2 filters in the industry
- High filtration (H13) with 99.97% efficiency
- Compatible with every machine thanks to the compact structure
- Easy and fast installation
- Very efficient filtration
- A low noise level

Usage areas

- Drill oil and cutting connections, which are vital to machines and equipment, are harmful and dangerous to the environment and human health.
- During CNC operations, the friction of metals involved in the processing process in CNC processing machines ensures that the lubricants get overheated and change to Olienevel. Drill oil and cutting oil are often used for turning, milling, grinding, planing, pulling, drilling, drilling, cutting and wire cut.
- The Sky Oil Mist Filter Unit makes the return of purified air to the environment and the recycling and reuse of oil or emulsions possible and gaseous air pollutants.

SKY CARTRIDGE	INLET	MOTOR POWER	AIRFLOW	NOISE LEVEL	FILTER TYPES & FILTER INFORMATION				SURFACE AREA	DIMENSIONS	WEIGHT
	(Ø) mm	(kW)	(m³/h)	dB(A)	FILTER TYPE	FILTER CLASS	FILTER	PLACE OF USE	(m²)	Ø x H / mm	(kg)
603SKY0250	100	0,12	250	62	Cartridge	M	Coalescence	Cutting Oil	2	39x47	17
603SKY0500	100	0,18	500	62	Cartridge	M	Coalescence	Cutting Oil	2	39x47	18
603SKY1000	150	0,37	1000	64	Cartridge	M	Coalescence	Cutting Oil	6	49x54	30
603SKY1500	150	0,55	1500	64	Cartridge	M	Coalescence	Cutting Oil	6	49x54	33
603SKY2000	200	0,75	2000	65	Cartridge	M	Coalescence	Cutting Oil	10	59x59	46
603SKY2500	200	1,1	2500	65	Cartridge	M	Coalescence	Cutting Oil	10	59x59	50



SKY 250 - 500



SKY 1000 - 1500



SKY 2000 - 2500



CE Certified
EN ISO



Central Filtration System
Oil-Mist Filtration



Cartridge
Cleanable Filter



H13 HEPA Filter
≤ 99.997 (EN 1822)



≤ 5 mg/Nm³
Commits for Emission Value



Between 68~75 db
Maybe a Vacuum Cleaner



Tailored Solutions
Size Options for Projects



Standard Pallet Packaging
Shrunk with Cord Strap

Specifications

- Efficiency
Emissions ≤ 5 mg/Nm³
- Energy saving
- Improve the working environment
- Easy installation
- Customized systems solutions
- Technical assistance and after-sales service
- Costs saving of management and maintenance

Usage Areas

- Used in CNC, Lathe, Clamping, Drilling, Threading, Tapping, cutting and general mechanical machining benches
- For oil mist filtration of cooling oils emulsified with water.

Options

- Silencers
- Start & Stop or frequency adjustable electrical panel
- H11 or H13 class HEPA filter option
- 3-color LED filter pollution indicator

V SERIES MIST COMPACT	AIRFLOW	STATIC PRESSURE	MOTOR POWER	SURFACE AREA	FILTRATION SPEED	CONNECTIONS (mm)		DIMENSIONS (mm)		
FW CODE	(m ³ /h)	(Pa)	(kW)	(m ²)	(m ² /m ³ /min)	INLET	OUTLET	W	L	H
621MCTV001	3000	2800	4	84	0,59	Ø300	Ø300	900	850	2920
621MCTV002	6000	2000	5,5	168	0,59	2 x Ø300	362 x 405	900	1700	2765
621MCTV003	8000	2450	7,5	252	0,53	3 x Ø300	362 x 405	900	2550	2765
621MCTV004	12000	2000	2 x 5,5	336	0,59	4 x Ø300	2 x (362 x 405)	900	3400	2765
621MCTV005	14000	2450	2 x 7,5	420	0,55	5 x Ø300	2 x (362 x 405)	900	4250	2765

S SERIES MIST COMPACT	AIRFLOW	SURFACE AREA	INTEGRATED (with)	CONNECTIONS (mm)		DIMENSIONS (mm)		
FW CODE	(m ³ /h)	(m ²)	*There is no fan in Mist Compact S SERIES	INLET	OUTLET	W	L	H
622MCTS001	3200	84	w/o fan	Ø300	Ø300	900	850	2260
622MCTS002	6400	168	w/o fan	2 x Ø300	2 x Ø300	900	1700	2260
622MCTS003	9600	252	w/o fan	3 x Ø300	3 x Ø300	900	2550	2260
622MCTS004	12800	336	w/o fan	4 x Ø300	4 x Ø300	900	3400	2260
622MCTS005	16000	420	w/o fan	5 x Ø300	5 x Ø300	900	4250	2260



MIST Compact V Series



MIST Compact S Series



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To Your Projects



CE Certified
EN ISO



Central Filtration System
Oil-Mist Filtration



E11 EPA Filter
98 ≤ Em (EN 1822)



H13 HEPA Filter
≤ 99.997 (EN 1822)



Between 65-76 db
Maybe a Vacuum Cleaner



Tailored Solutions
Size Options for Projects



Standard Pallet Packaging
Shrunk with Cord Strap

Specifications

- High Efficiency
99,99% for particles larger than 1µm
99% for particles larger than 0,5 µm
95% for particles larger than a 0,2 µm
- Easy installation with customized solutions
- Costs saving management and maintenance
- Provides maximum efficiency with in-line filters of F7 - F9 - H11 class

Usage Areas

- Used in CNC, Lathe, Clamping, Drilling, Threading, Tapping, Saw cutting benches
- For oil-mist filtration of cutting oils that using petroleum oil.

Options

- Silencers
- Start & Stop or frequency adjustable electrical panel
- H11 or H13 class HEPA filter option
- 3-color LED filter pollution indicator
- In applications requiring low capacity, it does not take up much space in your workshop with the MCOS mini series.

V SERIES MCOS	AIRFLOW	STATIC PRESSURE	MOTOR POWER	FILTRATION STAGES		FILTER QUANTITY	CONNECTIONS (mm)		DIMENSIONS (mm)		
FW CODE	(m³/h)	(Pa)	(KW)	1°	2°	W	INLET	OUTLET	W	L	H
611MCOS200	2000	1850	2,2	F7	F9	1+1	Ø200	Ø300	685	730	2350
611MCOS400	4000	1750	5,5	F7	F9	2+2	Ø300	Ø300	1280	730	2600
611MCOS800	8000	2250	7,5	F7	F9	4+4	500 x 300	362 x 405	1280	1460	2850

S SERIES MCOS	AIRFLOW	STATIC PRESSURE	FILTRATION STAGES	FILTER QUANTITY	CONNECTIONS (mm)		DIMENSIONS (mm)			
FW CODE	(m³/h)	*There is no fan in MCOS S SERIES	1°	2°	W	INLET	OUTLET	W	L	H
612MCOS200	2000	w/o fan	F7	F9	1+1	Ø200	Ø300	685	730	2350
612MCOS400	4000	w/o fan	F7	F9	2+2	Ø300	Ø300	1280	730	2600
612MCOS800	8000	w/o fan	F7	F9	4+4	500 x 300	362 x 405	1280	1460	2850
612MCOS120	12000	w/o fan	F7	F9	6+6	Ø300	Ø300	1280	730	2600
612MCOS160	16000	w/o fan	F7	F9	8+8	500 x 300	362 x 405	1280	1460	2850
612MCOS200	20000	w/o fan	F7	F9	10+10	Ø300	Ø300	1280	730	2600



MCOSV Series



MCOS S Series



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