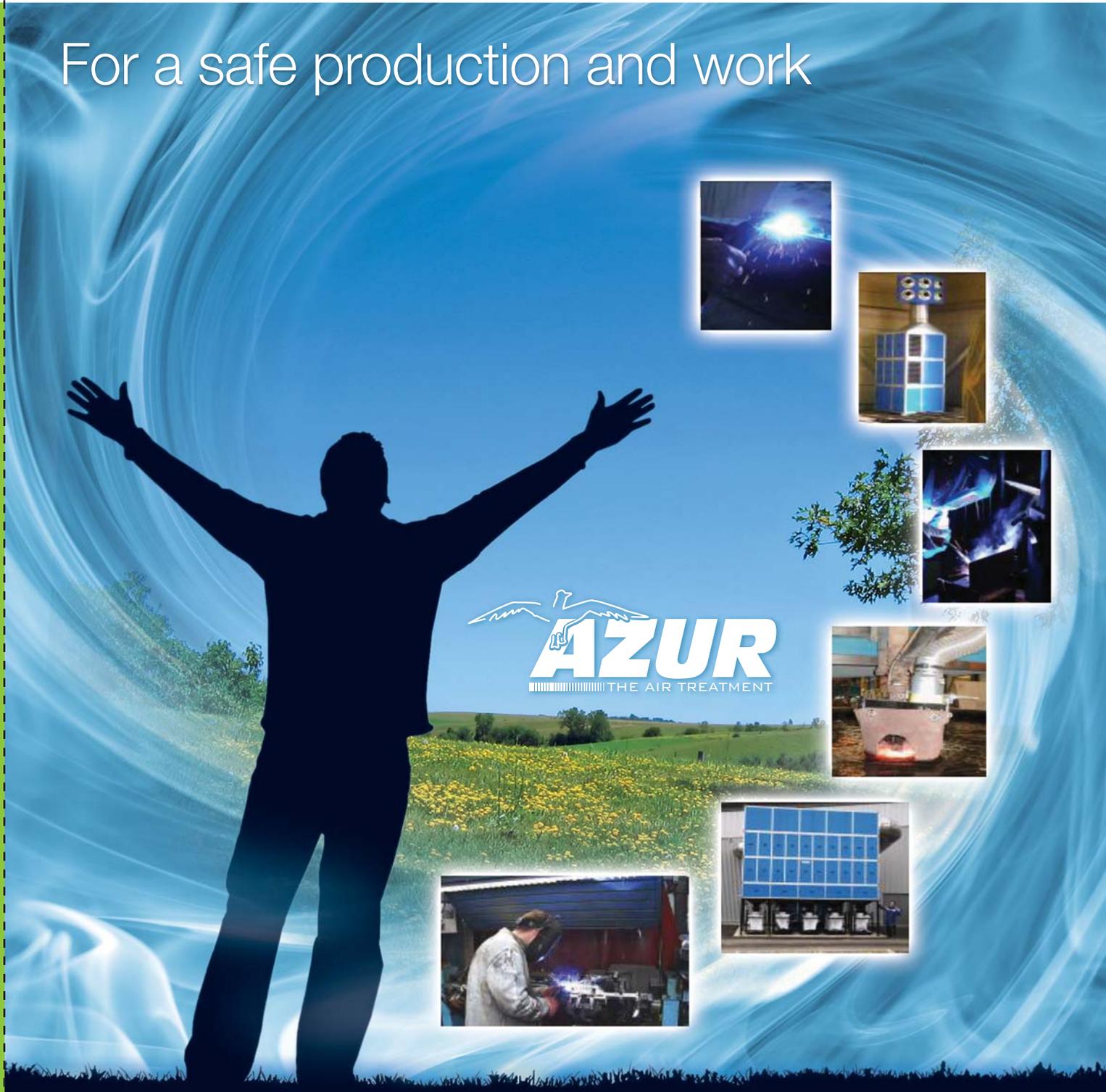


Air treatment Illustrated catalogue

For a safe production and work




AZUR
THE AIR TREATMENT

General data

In suction, fume and dusts treatment are studied considering different criteria.

Every installation is studied according to process, nature and features of the fumes.

As a general rule, industrial fumes are blown outside the building in order to respect the values of the exposure to gas established by CARSAT and I.N.R.S, but they will generally be filtered in order to conform to specifications governed by D.R.E.A.L. as regards the environment.

Every equipment of ventilation and collection of the welding, cutting, grinding and sanding fumes should be done taking into account two criteria:

- 1 - the level of pollution within the respiratory tract of people subject to pollution, but also at the work place.
- 2 - the level of pollutants released outside the plant.

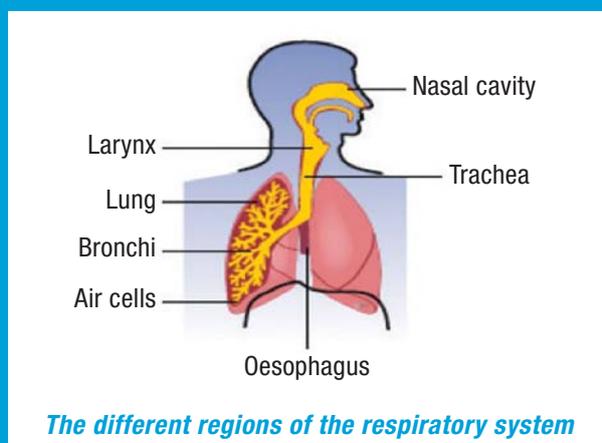
Another general feature has to be taken into account: the sound level of the set up equipments, for the noise created in the premises, but also for the external environment, and particularly for the sound level on the property line, if some apartment buildings are located close to the industrial premises.

Objectives internal pollution

Every activity of welding, cutting, grinding, sanding, processing, cause 2 kinds of pollutions: solid (particles) and gaseous

The inhalable, thoracic and alveolar fractions

The respiratory system can be divided in three areas: the upper airways, the tracheobronchial tree and the alveolar region.



Considering this division, three fractions of particles have been considered depending on their size: the inhalable, thoracic and alveolar fraction (according to AFNOR EN 481).

They give some information about the penetration and the incrustation of particles in the respiratory system and on their potential effects for human health.

- Inhalable fraction: mass fraction of suspended particles in the air that may penetrate into the body through the mouth or the nose and then be deposited in the respiratory tract; it includes particles which aerodynamic diameter can reach 100 μm .
- Thoracic fraction: particles mass fraction that, once inhaled, may penetrate beyond the larynx; it includes particles which aerodynamic diameter can reach 30 μm .
- Alveolar fraction: particles mass fraction that, once inhaled, may penetrate up to the pulmonary alveoli; it includes particles which aerodynamic diameter can reach 10 μm .

As for the particles released during welding and cutting activities, having an aerodynamic diameter lower than 1 μm , the alveoli fraction plays a key role as regards the effects on human health. The data concerning the inhalable dust lead rather to an overestimation than to an underestimation of the exposition.

1. The aerodynamic diameter of a particle is defined as the diameter of a sphere with a density of 103 kgm⁰³ which limit fall speed in calm air is equal to the one of the particle in the same pressure, temperature and relative humidity conditions. The aerodynamic diameter include size (and so its geometrical size), shape and density of the particle.

Source: INRS ED 6132 Guide, risks of the welding fumes.

Occupational exposure limits

Levels of concentration in the working atmosphere and within the respiratory tract of operators not to be exceeded, or occupational exposure limits as determined by the ministry in charge of labour, so as to protect the health of workers (some values are also recommended by the national health insurance office of the workers: CNAMTS- Caisse Nationale de l'Assurance Maladie des Travailleurs Salariés).

The occupational exposure limits refer to the threshold of concentration never to be exceeded in the air breathed in by a worker.

They result from current scientific data available for experts in the toxicity of pollutants.

They aim to limit the dusts in the working areas.

These occupational exposure limits are a minimum target and we will try to reduce them to levels as low as possible.

In France, the occupational exposure limits for an 8 hour period, for all particles composing welding fumes, is 5 mg/m³.

The occupational exposure limits of every component of fumes must also be respected.

Source: INRS ED 6132 Guide Risks of the welding fumes

The occupational exposure limit values of the main pollutants during welding activities and related techniques (Exposure limit values measured on an 8 hour maximum duration period / short term exposure limit values measured on 15 minutes maximum duration period)

VLEP / OELV (mg/m ³)	
Alveolar particles	5
Inhalable particles	10
Aluminium (welding fumes)	5
Aluminium (Al2O3)	10
Nitrogen (dioxide)	6
Nitrogen (monoxide)	30
Barium (soluble compounds)	0.5
Beryllium (and compounds)	0.002
Cadmium (oxide)	0.05
Chrome VI (compounds of)	0.001
Cobalt	0.02
Copper (fumes)	0.2
Hydrogen cyanide	2 / 10
Titanium dioxide	10
Iron (Fe2O3, fumes)	5
Fluorides	1.5
Manganese (Mn3O4, fumes)	1
Carbon monoxide	55
Nickel (oxide et trioxide)	1
Ozone	0.2 / 0.4
Phosgene	0.08 / 0.4
Lead (metal and compounds)	0.1
Cristalline silicium (quartz)	0.1
Titanium (dioxide)	10
Tungsten	5
Vanadium	0.05
Zinc (oxide, fumes)	5

Atmospheric emissions aims:

The external emissions should not exceed, if the site is classified or subject to authorisation, 100 mg each m³ if the emission is below 1 kg per hour or should be below 40 mg each m³, if the emission exceeds 1 kg per hour.

- If the company has a ISO 14001 procedure, filtration shall be retained.
- If the site is subject to prior authorisation, the plant should be validated by DREAL before realisation.
- The emission in the atmosphere should be done by a chimney (height measured under the decree of 2nd February 1998, article 52).

French Labour Code - Article R232-5

In enclosed premises where employees are required to spend time, the air must be renewed in order to **maintain the purity of the atmosphere so as to protect the health of workers.**

French Labour Code - Article R232-5-7

If hazardous emissions cannot be removed altogether, **they shall be collected as they are produced, as close to their source of emission as possible, and as effectively as possible.**

The collection of pollutants generated by work should be treated by focusing on:

- a collection connected to the part, or to the work top, unencumbered collection,
- a collection connected to the tool, a collection in which the operator has a collection device, completed by appropriate ergonomics,
- a collection by arm, an effective collection that needs, nevertheless, good positioning.

If collection is not possible, we can make use of general ventilation, but the operator should have a personal protective equipment.

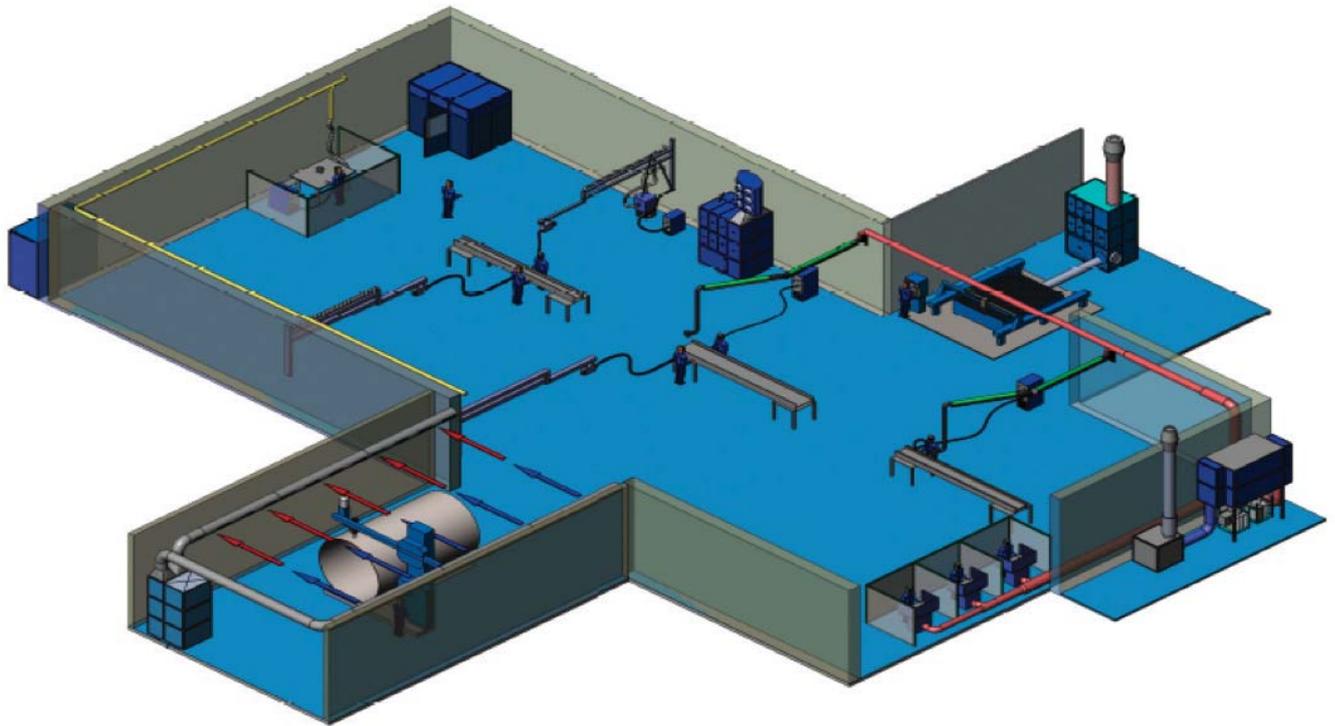
Indeed, dilution treatment does not protect the operator during his work.

Filtration is appropriate to nature and volume of the collected pollutants.

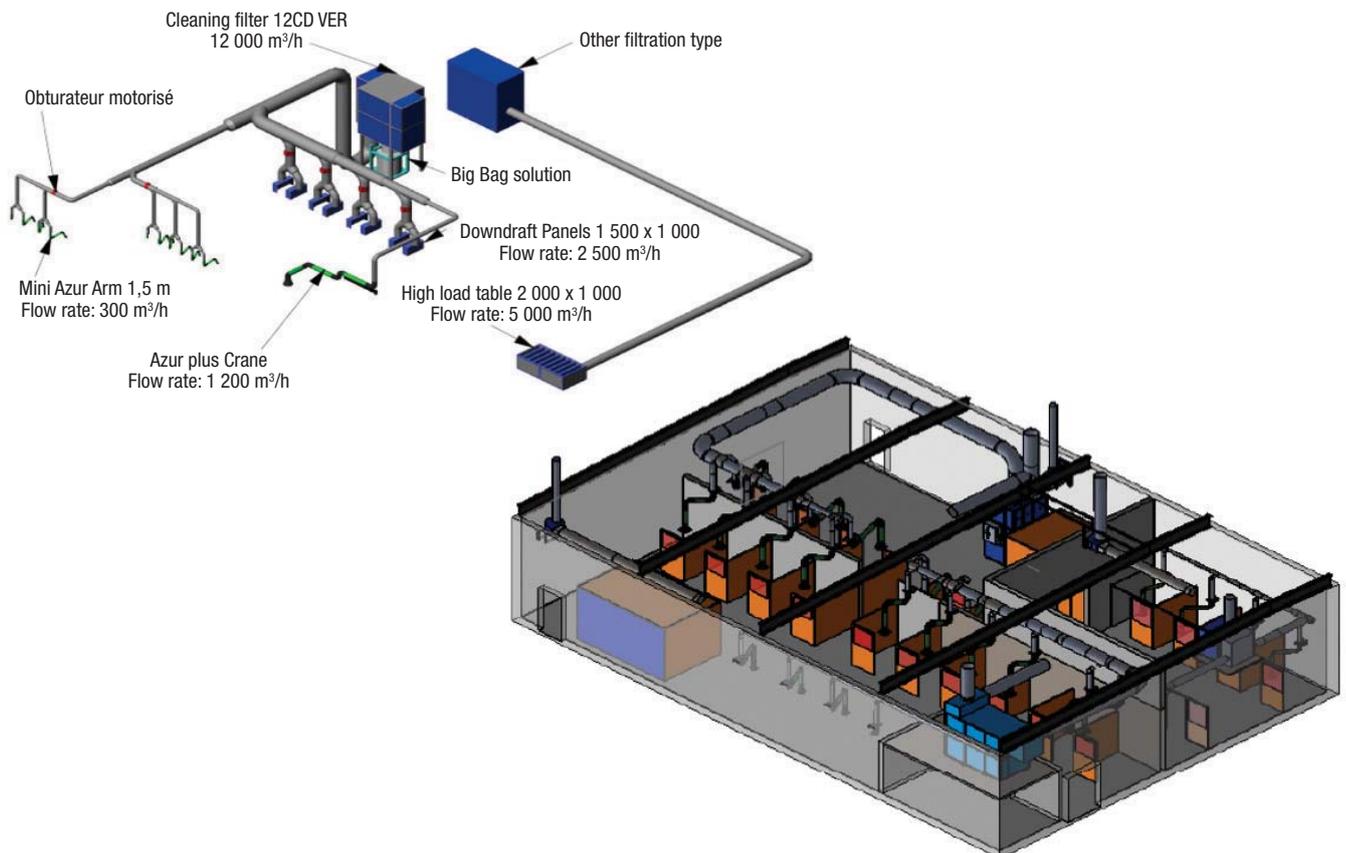
In welding, cutting, only the solid particles are filtered, and not the gases associated and products during work activities.

A filtration by activated carbons is effective for smells and ozone but not for welding gases.

A global answer to industrial pollutants of a workshop



Some customized studies



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Suction linked to part



BRAZING WORK TABLE

Worktop for oxyacetylene welding.

Delivered in the KIT.

Ladle bricks work top.

Dimensions:

- Length 660 mm,
- Depth 450 mm,
- Worktop height 810 mm.

Water tank and deburring block supplied.



Description	Reference	Price
Work top with bricks	W000276784	
Complements		
Gas saver EC073 OX/Natural Gas	W000291431	
Gas saver EC073 OX/AD	W000291432	
Gas saver EC073 OX/GPL	W000291433	
Saver support	W000380549	

WELDING - BRAZING WORK TOP

Solid worktops for training to welding and brazing processes.

They are realised in galvanised steel profiles epoxy painted.

Tables are supplied unassembled.

Basically they bear a worktop composed by a steel grating on a steel tank.

Tables are available in 2 dimensions:

- 850 x 665 mm,
- 1 100 x 665 mm

Height of the work top 810 mm.

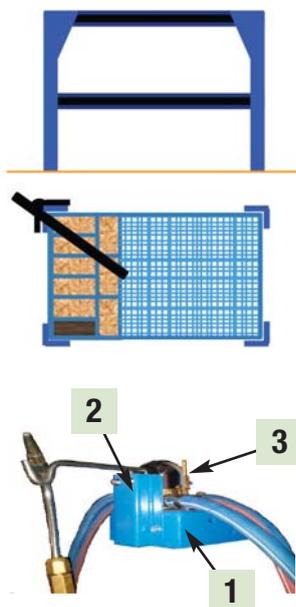
2 table configurations are available:

- table with worktop in steel sheet and grating
- table with worktop in ladle bricks (with wood deburring block) and steel worktop

The P.E.S crane is realised by cross tubes (500 mm length) and has a grip clamp on the hedge of the horizontal tube.

Tables may be completed by:

- a water tank
- a gas saver support.



Description	Reference	Price
Welding table 850 x 665 mm	W000380588	
Complements of the table		
Top ladle bricks width 330 mm	W000380589	
Top steel width 330 mm	W000380590	
Welding table 1 100 x 665 mm	W000380591	
Complements of the table		
Top ladle bricks width 660 mm	W000380592	
Top steel width 660 mm	W000380593	
Options of the tables		
Jib crane P.E.S	W000380557	
Water tank	W000380587	
Gas saver support (1)	W000380549	
Kit limit switch for economizer (2): it allows to control a DAMPER BOX or a MASTER BOX	W000380551	
Gas saver EC073 OX/Natural Gas	W000291431	
Gas saver EC073 OX/AD	W000291432	
Gas saver EC073 OX/GPL	W000291433	
Replacement		
Set of 6 ladle bricks 220 x 110	W000380552	



SUCTION PANELS

The panel is suitable for collection of all fumes and non explosive fine dusts.

It is equipped with one top cap and 2 swivelling side flaps, 470 mm wide.

The first dimension corresponds to the panel width, the second to its height.

Panels are supplied with their duct coupling and 4 wall brackets.

Removable front suction panels by ¼ turn for easy maintenance.

Suction flow: 1800 m³/h per m² for a collection speed of 0.5 m/s at the point of emission.



Description	Reference	Price
Panel 500 x 500, TRC Ø 125 mm	W000342798	
Panel 1 000 x 500, TRC Ø 125 mm	W000342786	
Panel 1 000 x 800, TRC Ø 125 mm	W000342788	
Panel 1 000 x 1000, TRC Ø 200 mm	W000342789	
Panel 1 500 x 500, TRC Ø 200 mm	W000342790	
Panel 1 500 x 1 000, TRC Ø 250 mm	W000342791	
Panel 1 500 x 1 800, TRC Ø 400 mm	W000342792	
Panel 2 000 x 500, TRC Ø 250 mm	W000342793	
Panel 2 000 x 1 000, TRC Ø 315 mm	W000342794	
Panel 2 500 x 300, TRC 2 x Ø 160 mm	W000342797	

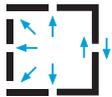
Fixing suction panels:

- vertical centre distance = Panel height - 40 mm,
- horizontal centre distance = Panel width + 40 mm.



SUCTION CRANE FOR TRAINING CENTRE

The suction crane includes single support crane, a table and a set of suction panels. It is suitable for all kinds of welding/brazing. Its swivelling worktop, height-adjustable, has a surface of 800 x 500 mm, maximum load 100 kg. Its jib crane is adjustable in all directions and, equipped with a clamp, can bear a 20 kg part. Panels, table and jib crane can individually swivel on the support mast. The 250 mm diameter suction is centred on the mast of the crane. All welding process, in every position, may be put into practice in the volume of the crane.



Description	Reference	Price
Complete welding cranes (1 or 2)	W000375246	
Complete welding cranes (3 or +)	W000375247	
Jib crane only (minimum order 3 parts)	W000375245	

Fan for single mounting

HCAS-280 A - 1.5 kW - 3 Ph 230/400 V - 50 Hz - (Required suction flow of 2000 m³/h). Fan supplied with silentbloc, DC inlet and outlet D 250 mm	W000380503	
Silencer Ø 250 mm	W000342137	

Sectioning board

Sectioning cabin 230 V - 1.5 kW	W000342548	
Sectioning cabin 400 V - 1.5 kW	W000342549	

WELDING/BRAZING SUCTION TABLES

Suction tables collect fumes by their front suction panels.

They are suitable for all kinds of welding/brazing. Worktop of the tables, placed at 810 mm from the ground, has a work surface of 900 x 500 mm, maximum load 100 kg.

Tables are supplied with a galvanised steel grating. Side panels of the tables can swivel and they are equipped with a welding shield colour 11 (110 x 90 Ref W000335095)

Tables can be completed with a ladle bricks worktop for brazing.

Net connection:

Single table: Ø 200 mm

Facing table: single table + Kit complement facing table with RTS Ø 315 mm



Description	Reference	Price
Complete single table + RTS Ø 200 mm	W000380663	
Complement kit for facing table including one RTS Ø 315 mm	W000380664	

Common options

Ladle bricks worktop (Plan 2 tops for the facing table)	W000342580	
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Single table fan for individual mounting

FanAZUR 2.1 (1600 m³/h required) 230/400 V - 50 Hz - 0.75 kW	W000342132	
Silencer Ø 160 mm	W000342131	
Sectioning cabin 230 V - 0.75 kW	W000342542	
Sectioning cabin 400 V - 0.75 kW	W000342543	

Double table fan for individual mounting

FanHCRS315 (3600 m³/h required) 230/400 V - 50 Hz - 1.5 kW	W000342841	
Silencer Ø 315 mm	W000342142	
Sectioning cabin 230 V - 1.5 kW	W000342548	
Sectioning cabin 400 V - 1.5 kW	W000342549	

DOWNDRAFT WELDING TABLE - LARGE SIZE

The large size table is equipped with a worktop 1 800 mm long and 500 mm deep. Its worktop is located at a height of 810 mm.

Maximum permissible load 180 kg.

It collects fumes through a front suction panel. 2 side doors with flexible straps, 700 mm large, complete the table.

Its suction connection is realised by 2 top coupling in Ø 200 mm.

The cap of the table is equipped with a double neon tube 230 V - 1 Ph (power to supply).



Description	Reference	Price
Complete table large size	W000342582	

Fan for individual mounting

FanAZUR 4.7 (3500 m³/h required) 230/400 V - 50 Hz - 2.2 kW	W000342139	
Adjustment fan Ø 315 mm outlet	W000342141	
Fan wall support	W000342143	

Sectioning board

Sectioning cabin 230 V - 2.2 kW	W000342550	
Sectioning cabin 400 V - 2.2 kW	W000342551	

Suction linked to part



SUCTION TABLE DUO/ QUATRO

The table DUO has 2 juxtaposed worktops, tops with a surface of 880 mm x 550 mm at a height of 870 mm.

One table QUATRO has, 2 juxtaposed worktops and 2 symmetrical tops. It allows the realisation of a block with 4 work places without specific arrangements.

Pollutants are collected through a removable front suction panel, located opposite each worktop.

Safe load for every worktop is 100kg.

Worktop will be selected according to needs.

- worktop with grating for welding
- ladle bricks worktop and wooden deburring block for brazing

The worktops at a height of 870 mm from the ground, are equipped with a tipping top cap in translucent polycarbonate.



Description	Reference	Price
TABLE DUO welding	W000372348	
TABLE DUO brazing	W000372345	

DUO table fan for individual mounting

Fan HCRS315 (2800 m³/h required) 230/400 V - 50 Hz - 1.5 kW	W000342841	
Silencer Ø 315 mm	W000342142	
Sectioning cabin 230 V - 1.5 kW	W000342548	
Sectioning cabin 400 V - 1.5 kW	W000342549	

QUATRO table fan for individual mounting

Fan D5000 (5 600 m³/h required) 230/400 V - 50 Hz - 2.2 kW	W000342624	
RTS diameter 450 mm	W000342723	
Silencer Ø 450 mm	W000342426	
Sectioning cabin 230 V - 2.2 kW	W000342550	
Sectioning cabin 400 V - 2.2 kW	W000342551	

ASM DOWNDRAFT WELDING/ GRINDING TABLES

The ASM (Aspirante Soudage Meulage) is equipped with a metal pre-filter under the worktop in metallic grating and a dusts collection hopper with a drum.

Fumes and dusts are collected through the worktop and the side panels (height 500 mm).

Table 1 200 x 800:
dimensions of the worktop 1 070 x 740 mm.

Table 2 000 x 800:
dimensions of the worktop 1 870 x 740 mm.

Maximum load 200 kg.

Height of the worktop 920 mm.

Tables should be connected to a single fan or to a centralized network collector.



Description	Reference	Price
ASM Table 1 200 x 800 mm (required suction flow 2 000 m³/h)	W000342583	
ASM Table 2 000 x 800 mm (required suction flow 3 000 m³/h)	W000342584	

Complement

Vertical or side rear outlet Ø 250 mm	W000342588	
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Spare

Metal pre-filter 610 x 610 mm ep 24 mm	W000379636	
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DOWNDRAFT TABLE AZUR WG

The downdraft table AZUR WG (Soudage Meulage) is intended for welding fumes and non explosive dusts collection.

The collection of pollutants is ensured by the suction panel opposite the operator.

Table 1 366 x 911:
dimensions of the worktop 1 360 x 800 mm.

Maximum load 200 kg.

Adjustable height of the worktop for people working sit or standing, from 800 to 950 mm.

The required suction flow for this table is 2 000 m³/h in welding, 3 000 m³/h in grinding.



Description	Reference	Price
Table AZUR WG (required suction flow 3 000 m³/h)	W000381008	

Complements ans options

Suction connection part Ø 315 mm	W000277859	
Work lamp 230 V (supply disconnected)	W000273122	
Metal pre-filters (to be inserted into the downdraft panel of the table).	W000380763	
dusts container (2 required)	W000380764	

Fan for single mounting

Fan AZUR 42 - 230/400 V - 3 Ph - 50 Hz - 1.5 kW - 2 800 tr/mn	W000342033	
Fan wall seat	W000380991	

Electric protection

Circuit breaker 1.5 kW - 230 V - 3 Ph - 50 Hz	W000342526	
Circuit breaker 1.5 kW - 400 V - 3 Ph - 50 Hz	W000342524	

Lockable sectioning cabin - 1.5 kW - 230 V - 3 Ph - 50 Hz - cable 5 m	W000342548	
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Lockable sectioning cabin - 1.5 kW - 400 V - 3 Ph - 50 Hz - cable 5 m	W000342549	
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ASMV DOWNDRAFT TABLES WITH FAN

An ASMV (Aspiration Soudage Meulage occasionnel Ventilateur) is equipped with a metal pre-filter under the worktop and a fan placed on the base of the table.

Fume and non explosive dry dusts are collected through the worktop and the side panels (height 500 mm).

Table 1 200 x 800:
dimensions of the worktop 1 070 x 740 mm.

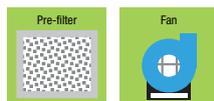
Table 2 000 x 800:
dimensions of the worktop 1 870 x 740 mm.

Maximum load 200 kg.

Height of the worktop 920 mm.

Tables should be connected to a duct for external emission.

Fan motor: 2.2 kW - 400 V - 3 Ph - 50 Hz.



Description	Reference	Price
Table ASMV 1 200 x 800 mm (suction flow on the table 2 000 m ³ /h)	W000273087	
Table ASMV 2 000 x 800 mm (suction flow on the table 3 000 m ³ /h)	W000273086	
Complement		
Vertical or side rear outlet Ø 250 mm	W000342588	
Vertical outlet with silencer	W000273464	
RTS Ø 250 mm for silencer table 1 200 x 800	W000380507	
RTS Ø 315 mm for silencer table 2 000 x 800	W000380508	
Spare		
Metal pre-filter 610 x 610 mm ep 24 mm	W000379636	

ASMV "BI-POST" DOWNDRAFT VENTILATED TABLES

One ASMV table is equipped with metal pre-filters under the worktops in metal grating and a fan on the base of the table.

Fumes and non explosive dusts are collected through the worktops and the side panels (height 500 mm).

Table 1 200 x 800:
dimensions of the worktop 1 070 x 740 mm.

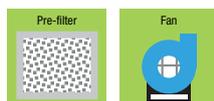
Table 2 000 x 800:
dimensions of the worktop 1 870 x 740 mm.

Maximum load for every worktop 200 kg.

Height of the worktop 920 mm.

Tables should be connected to a duct for external emission.

Fan motor: 2.2 kW (table 1 200 x 800)
or 3 kW (table 2 000 x 800)- 400 V - 3 Ph - 50 Hz.



Description	Reference	Price
Table ASMV BI-POST 1 200 x 800 mm (suction flow on the table 4 600 m ³ /h)	W000276463	
Table ASMV BI-POST 2 000 x 800 mm (suction flow on the table 5 200 m ³ /h)	W000276462	
<i>Note: tables are supplied with their outlet RTS:</i> - Diameter 355 mm for the 1 200 x 800 - Diameter 400 mm for the 2 000 x 800		
Spare		
Metal pre-filter 610 x 610 mm ep 24 mm (2 required)	W000379636	

AMSM TABLES "DOWNDRAFT FINE FILTER AND FAN"

A table AMSM (Aspiration Mécanique Soudage Meulage occasionnel) is equipped with a metal pre-filter under the worktop, and a fine filter with 35 m² and a fan placed on the base of the table.

Fume and non explosive dry dusts are collected through the worktop and the side panels (height 500 mm).

Table 1 200 x 800:
dimensions of the worktop 1 070 x 740 mm.

Table 2 000 x 800:
dimensions of the worktop 1 870 x 740 mm.

Maximum load 200 kg.

Height of the worktop 920 mm.

Tables should be connected to a duct for external emission.

Fan motor: 2.2 kW - 400 V - 3 Ph - 50 Hz.



Description	Reference	Price
Table AMSM 1 200 x 800 mm (suction flow on the table 1 800 m ³ /h)	W000342585	
Table AMSM 2 000 x 800 mm (suction flow on the table 2 300 m ³ /h)	W000342586	
Complements		
Vertical or side rear outlet Ø 250 mm	W000342588	
Vertical outlet with silencer	W000273464	
RTS Ø 250 mm for silencer table 1 200 x 800	W000380507	
RTS Ø 315 mm for silencer table 2 000 x 800	W000380508	
Spare		
Fine filter 35 m ²	W000379637	
Metal pre-filter 610 x 610 mm ep 24 mm	W000379636	

Suction linked to part



AMSFM TABLES “HOPPER, FINE FILTER AND FAN”

A table AMSFM (Aspiration Meulage Soudage Filtration Mécanique) is a versatile table especially studied for grinding operations associated to welding.

It is equipped with a dust collecting hopper and a retention grid, a fine filter with 35 m² surface protected by a metal pre-filter and a fan placed on the side box of the table.

Fume and non explosive dry dusts are collected through the worktop and the side panels (height 500 mm).

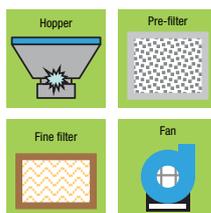
Table 1 200 x 800:
dimensions of the worktop 1 070 x 740 mm.

Table 2 000 x 800:
dimensions of the worktop 1 870 x 740 mm.
Maximum load 200 kg.

Height of the worktop 920 mm.

Tables should be connected to a duct for external emission.

Fan motor: 2.2 kW - 400 V - 3 Ph - 50 Hz.



Description	Reference	Price
Table AMSFM 1 200 x 800 mm (suction flow on the table 1 800 m ³ /h)	W000371223	
Table AMSFM 2 000 x 800 mm (suction flow on the table 3 000 m ³ /h)	W000371222	
Complements		
Vertical or side rear outlet Ø 250 mm	W000342588	
Vertical outlet with silencer	W000273464	
RTS Ø 250 mm for silencer table 1 200 x 800	W000380507	
RTS Ø 135 mm for silencer table 2 000 x 800	W000380508	
Spare		
Fine filter 35 m ²	W000379637	
Metal pre-filter 610 x 610 mm ep 24 mm	W000379636	

AESM TABLES “ELECTROSTATIC FILTRATION”

A table AESM (Aspiration Electrostatique Soudage Meulage) is intended for the collection and filtration of the welding carbon steel fume and oily fumes.

It is equipped with a metal pre-filter under the worktop in metal grating, an ionizing cell 10 000 V, a collecting cell 5000 V and a fan on the base of the table.

Fumes and non explosive dusts are collected through the worktop and the side panels (height 500 mm).

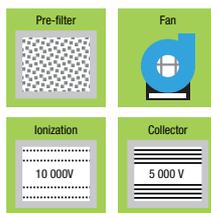
Table 1 200 x 800:
dimensions of the worktop 1 070 x 740 mm.

Table 2 000 x 800:
dimensions of the worktop 1 870 x 740 mm.
Maximum load 200 kg.

Height of the worktop 920 mm.

Tables should be connected to a duct for external emission.

Fan motor: 0.55 kW - 400 V - 3 Ph - 50 Hz.



Description	Reference	Price
Table AESM 1 200 x 800 mm (suction flow on the table 2 000 m ³ /h)	W000342577	
Table AESM 2 000 x 800 mm (suction flow on the table 3 000 m ³ /h)	W000342578	
Complements		
Ø 250 mm vertical or side rear outlet	W000342588	
Ø 250 mm horizontal outlet	W000342587	
Activated carbon (odour filter)	W000276021	
Spare		
Metal pre-filter or finishing filter	W000379667	
Ionizing cell	W000379668	
Collecting cell	W000379669	

FMA TABLES “ABSOLUTE MECHANICAL FILTRATION”

A table FMA (Filtration Mécanique Absolue) is intended for collection and filtration of fine dusts needing absolute filtration H12.

It is equipped with 1 or 2 filtering cartridges (25 m² each), recuperating dusts, a fine filter H13 (42 m²) and a fan. Non explosive dusts is collected through the worktop (resin grating), the vertical air release realised by the rear box.

Table FMA 1 500 x 1 000:
dimensions of the worktop 1 500 x 800 mm.

Table FMA 2 000 x 1 000:
dimensions of the worktop 2 000 x 800 mm.
Maximum Load 100 kg.

Height of the worktop 800 mm.



Description	Reference	Price
Table FMA 1 500 x 800 mm (suction flow on the table 2 300 m ³ /h)	W000380487	
Table FMA 2 000 x 800 mm (suction flow on the table 3 100 m ³ /h)	W000380488	
Spare		
Cartridge filter POLYESTER 25 m ² (1 for the table 1 500 and 2 or the table 2 000)	W000235375	
Absolute Filter 42 m ² H13	W000373568	

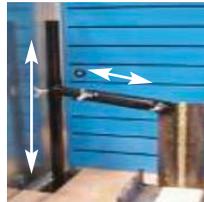
Note: tables are supplied for a network of 400 V - 3 Ph - 50 Hz
Fan motor 230/400 V
- Table 1 500 x 800: 2.2 kW
- Table 2 000 x 800: 3 kW



TASB500 CRANE FOR DOWNCRAFT TABLES

The crane is intended to support a test tube in all positions for the following tables **ASM, ASMV, AMSM** and **AESM, ASMV bi-post** and **DUO** and **QUATRO**.

It is fixed with 4 bolts on the worktop or the grating. 600 mm vertical mast, horizontal telescopic arm 150 mm, 30 mm clamp opening.



Description	Reference	Price
Crane TASB500	W000380595	

Note: crane is intended to be fixed on a worktop (platinum 200 x 100 mm).

DOWNDRAFT TABLES - CARTRIDGE FILTRATION

These welding tables are equipped with highly efficient automatic cleaning filtration cartridges W3.

Fume and non explosive dusts are collected through the front suction panel (1000 mm high), equipped with side doors and a containment top cap.

Simple table:

dimensions of the worktop 900 x 500 mm, height 810 mm.

Double table:

dimensions of the worktop 900 x 500 mm, height 810 mm.

Maximum load 100 kg for each worktop.

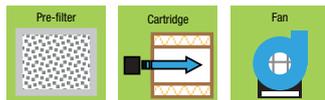
Tables should be connected to a duct for external emission.

Fan motor:

- 1.1 kW-400 V-3 Ph-50 Hz, **simple table**,
- 2.2 kW-400 V-3 Ph-50 Hz, **double table**.

Integrated metal pre-filters, non-return valves,

2 cartridges 10 m² for simple table, 4 cartridge 10 m² for double table.



Description	Reference	Price
Table Simple 900 x 500 mm (fan flow 2500 m ³ /h)	W000342294	
Table Double 2 x (900 x 500 mm) (fan flow 4 700 m ³ /h)	W000342295	

Complements

Kit manoeuvre wheels	W000379640	
Air regulator filter	W000272058	

Spare

Filtration cartridge PFTE 10 m ²	W000379657	
Metal pre-filter (2 for the simple table, 4 for the double table)	W000379658	

TABLES ASPIRANTES "COUPAGE/MEULAGE"

The Downdraft tables for Cutting/Grinding collect fumes and dusts under the worktop for cutting applications PLASMA and flame.

In grinding, tables are equipped with 600 mm side panels and heavy dusts will fall into the lower tank.

Fabricated steel structure and the lower tank is used as depressuring housing in PLASMA cutting.

Removable lower housing for waste and dusts recuperation.

The worktop is in metal grating.

Height of the worktop: 800 mm.

Maximum load on one table:

steel sheet 12 mm thick.

In PLASMA cutting or with a big production of sparks, we recommend equipping these tables with the option metal pre-filter.

Connection diameter of the tables:

- Table 1 000 x 500 = 250 mm
- Table 1 500 x 1 000 = 400 mm
- Table 2 000 x 1 000 = 400 mm



Cutting table



Table with grinding panels

Description	Reference	Price
Table 1 000 x 500 mm (required suction flow 2 000 m ³ /h)	W000342557	
Table 1 500 x 1 000 mm (required suction flow 4 000 m ³ /h)	W000342013	
Table 2 000 x 1 000 mm (required suction flow 6 000 m ³ /h)	W000342563	

KIT complement grinding panels

Panels Table 1 000 x 500 mm	W000342560	
Panels Table 1 500 x 1 000 mm	W000342561	
Panels Table 2 000 x 1 000 mm	W000342016	

Complements metal pre-filters for cutting

Pre-filter KIT for Table 1 000 x 500 mm	W000342572	
Pre-filter KIT for Table 1 500 x 1 000 mm	W000342015	
Pre-filter KIT for Table 2 000 x 1 000 mm	W000342579	

Single fan for tables

Table 1 000 x 500 Fan AZUR 3.0 motor 1.1 kW - 230/400 V - 3 Ph - 50 Hz	W000342136	
	with TRC W000342143	
Table 1 500 x 1 000 Fan D350B motor 3 kW - 230/400 V - 3 Ph - 50 Hz	W000342610	
	with TRC W000342714	
Table 2 000 x 1 000 Fan D500D motor 2.2 kW - 230/400 V - 3 Ph - 50 Hz	W000342624	
	with TRC W000342726	

Pre-filter spare

Table 1 000 x 500 (465 x 360 x 24 mm)	W000379646	
Tables 1 500 x 1 000, 2 000 x 1 000 (500 x 500 x 24 mm)	W000379647	

Suction linked to part



CARTRIDGE GRINDING DOWNDRAFT TABLES

The Cartridge Grinding Downdraft Tables automatic cleaning are intended for every solid dry non explosive particle.

They collect dusts through a front suction panel and recuperation of heavy particles is done into the tank of the table.

Tables are equipped with side doors and a cap.

Filtration is done through highly efficient filtration cartridges W3, POLYESTER cartridge with PTFE membrane.

Cartridge number for each table:

- Table 1 200 x 800: 2 of 10 m²
- Table 2 000 x 1 000: 4 of 10 m²
- Table 2 500 x 1 000: 5 of 10 m²
- Table 3 000 x 1 000: 6 de 10 m²

Tables are equipped with metal pre-filters a spark arrestor and non-return valves for cleaning.

The worktop is at a height of 920 mm and it is in metal grating.

Maximum load on table: steel sheet, thickness 12 mm on all the surface of the table (96 kg/ m²).
Dusts recovery in the filter compartment by drums.



Description	Reference	Price
Table 1 200 x 800 mm (Suction 4 000 m ³ /h, motor 3 kW)	W000342106	
Table 2 000 x 1 000 mm (Suction 6 000 m ³ /h, motor 4 kW)	W000342107	
Table 2 500 x 1 000 mm (Suction 7 000 m ³ /h, motor 5.5 kW)	W000342109	
Table 3 000 x 1 000 mm (Suction 8 000 m ³ /h, 2 motors 3 kW)	W000378190	
Complement		
Regulator filter	W000272058	
Spare		
Pre-filter 1 000 x 200 ép 24 mm (Qty 2 for tables 1 200 x 800 et 2 000 x 1 000, Qty 4 for tables 2 500 x 1 000 et 3 000 x 1 000)	W000380594	
Filtration cartridge Polyester membrane PTFE W3 10 m ² : 2 for table 1 200 x 800 mm 4 for table 2 000 x 1 000 mm 5 for table 2 500 x 1 000 mm 6 for table 3 000 x 1 000 mm	W000379657	

DOWNDRAFT TABLES AZUR WELDING GRINDING

These tables are intended for the collection and filtration of the welding fumes and non explosive dusts.

The collection of pollutants is ensured by the suction panel opposite the operator and/or the worktop, depending on the model and on the type of table.

The filtration surface of the tables is 52 m².

Suction flow 2 500 m³/h.

Motor 2.2 kW - 400 V - 3 Ph - 50 Hz.

Tables are equipped with a pre-filtration system in 3 steps, 2 of which with metal filters.

Maximum load for each table is 200 kg, 150 kg with the wheels KIT.

Height of the worktop: 920 to 970 mm.

Table AZUR 52MF:

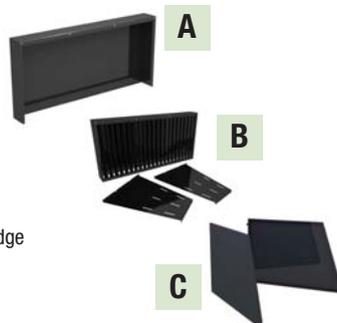
Table with simple mechanic filtration, disposable filters.

Table AZUR 52CF:

Tables with filtration cartridges and manually controlled self-cleaning system of the cartridges.

Table AZUR 52SCF:

Table similar to 52CF table, but having a cartridge self-cleaning system, ON LINE and OFF LINE.



Description	Reference	Price
Bare Table AZUR 52MF	W000372013	
Bare Table AZUR 52CF	W000372012	
Bare Table AZUR 52SCF	W000372011	
Complements and options		
Grinding rear panel, (without suction, height 620 mm). A	W000273116	
Welding downdraft rear panel (height 620 mm). B	W000273117	
Set of 2 side flaps for welding and grinding panels. C	W000273118	
Filtration kit HEPA H11 in internal recycling	W000273120	
Silencer blowing duct	W000273121	
Work lamp	W000273122	
Kit wheel set	W000273124	
Connection plate external release	W000380633	
Vice mounting plate	W000380071	
Spare		
Pre-filter first stage	W000377380	
Main pre-filter (set of 2)	W000377381	
Filtration cartridge DURAFILTER	W000377382	
HEPA Filter H11	W000377383	



HIGH-LOAD GRINDING DOWNDRAFT TABLES

High load grinding tables bear 600 kg maximum and are equipped with a 12 mm thick sheet worktop with drilling for suction or 25 mm thick in case of worktop with mechanic drilling.

They are equipped with a recovery drum for dusts under the worktop.

The suction connection is on the left or on the right side on the back:

- Ø 315 mm for the table 1 200 x 800,
- Ø 355 mm for the table 1 500 x 800,
- Ø 400 mm for the table 2 000 x 1 000.

Work height is 800 mm.

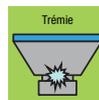
They are equipped with lockable side swing doors and a rear suction panel 800 mm high.

Dusts are collected through the rear suction panel and the worktop.



Description	Reference	Price
Table HEAVY LOAD 1 200 x 800 mm (required suction flow 4 000 m ³ /h)	W000342111	
Table HEAVY LOAD 1 500 x 800 mm (required suction flow 4 500 m ³ /h)	W000342112	
Table HEAVY LOAD 2 000 x 1 000 mm (required suction flow 5 500 m ³ /h)	W000342110	

Option		
Downdraft worktop with mechanical drilling for DEMMELER clamp	Contact us	



ESSENTIAL RANGE CUTTING DOWNDRAFT TABLES

ESSENTIAL cutting tables are designed for cutting a sheet of a maximum thickness of 30 mm.

They are available in 3 dimensions, 1 000 x 500 mm, 1 000 x 1 000 mm and 2 000 x 1 000 mm, which are the usual sheet formats.

Internal cut dimensions are respectively 1 100 x 600 mm, 1 100 x 1 100 mm and 2 100 x 1 100 mm.

They include recovery bins of heavy particles in the lower internal part, drawer bins provided with handles.

The cutting worktop has flat support sheets for interchangeable support of 6 x 60 mm. They are provided with 4 stands.

They are made of galvanised steel sheets, assembled by bolting (upon request, the tables can be shipped unassembled, in order to ease transportation by truck or container):

- 1 drawer for the table **ESSENTIAL 1 000 x 500**,
- 2 drawers for the table **ESSENTIAL 1 000 x 1 000**,
- 4 drawers for the table **ESSENTIAL 2 000 x 1 000**,

drawers which may be removed from the edges of the table.

Diameter of suction connection:

- 250 mm for the table 1 000 x 500,
- 315 mm for the table 1 000 x 1 000,
- 400 mm for the table 2 000 x 1 000.

Distance between connection part to ground: 417 mm.

Height of the worktop: 700 mm.

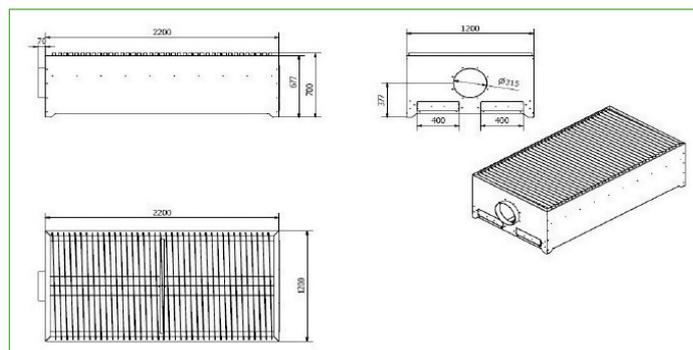
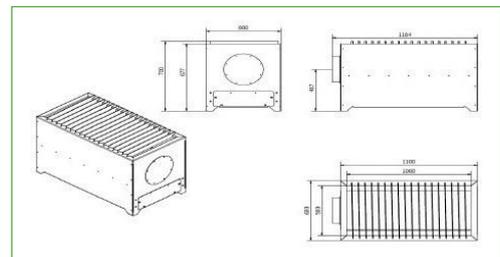
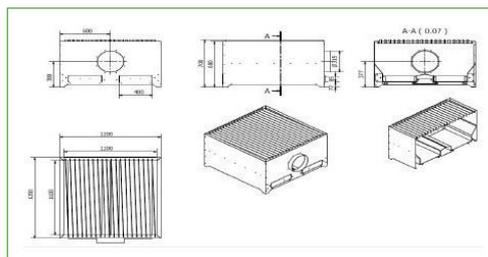


Description	Reference	Price
Cutting Table ESSENTIAL 1 000 x 500 mm (required suction flow 2 000 m ³ /h)	W000380502	
Cutting Table ESSENTIAL 1 000 x 1 000 mm (required suction flow 4 000 m ³ /h)	W000375248	
Cutting Table ESSENTIAL 2 000 x 1 000 mm (required suction flow 8 000 m ³ /h)	W000375249	

Cleaning filtration for tables		
Cutting table ESSENTIAL 1 000 x 500		
Filter 2CD - 2 000 m ³ /h	W000342859	

Cutting table ESSENTIAL 1 000 x 1 000		
ESSENTIAL 4 COMPACT - 4 000 m ³ /h	W000277104	

Cutting table ESSENTIAL 2 000 x 1 000		
ESSENTIAL 8 COMPACT - 8 000 m ³ /h	W000277108	



Suction linked to part



HIGH-LOAD CUTTING DOWNDRAFT TABLES

PLASMA high load cutting table gets a 2 000 x 1 500 mm or 3 000 x 1 500 mm table with a maximum thickness of 50 mm. 1 500 is the cutting width, 2 000 or 3 000, is the length of the divided table.

It is equipped with 2 or 3 recovery tanks for heavy particles on the lower part, tanks equipped with slinging rings.

The cutting top is equipped with supporting sheets for interchangeable parts.

The top is removable by bridge crane thanks to the 4 slinging rings provided for this purpose.

The central suction channel is enclosed to the table structure and it allows a highly efficient suction.

The diameter of the tables connection is 320 mm.

Suction is done in every compartment through flaps which, depending on the model of the table, are mechanically or pneumatically controlled through cylinders.

The detection controlling the opening cylinders is done through magnetic sensors (Rep. A).



Suction flap



Rep A



Description	Reference	Price
Table HIGH LOAD CUTTING 1 500 x 2 000 mm mechanical control (suction flow required 5 000 m ³ /h, surface covered at 50% of its width)	W000370941	
Table HIGH LOAD CUTTING 1 500 x 3 000 mm mechanical control (suction flow required 5 000 m ³ /h, surface covered at 50% of its width)	W000370943	
Table HIGH LOAD CUTTING 1 500 x 2 000 mm pneumatic control by magnetic sensors "rep A". (required suction flow 5 000 m ³ /h, surface covered at 50% of its width)	W000380752	
Table HIGH LOAD CUTTING 1 500 x 3 000 mm pneumatic control by magnetic sensors "rep A". (required suction flow 5 000 m ³ /h, surface covered at 50% of its width)	W000380753	
Complement ventilation		
Fan D350B (5 000 m ³ /h useful) 230/400 V - 50 Hz - 3 kW - fan Ø 315 mm inlet	W000342611	
RTS Ø 315 mm fan outlet	W000342718	
Sectioning cabin 230 V - 3 kW	W000342534	
Sectioning cabin 400 V - 3 kW	W000342538	
Complement FILTRATION		
Filter ESSENTIAL 6CD , Motor 5.5 kW	W000277106	
Filter ICP6 , Motor 7.5 kW	W000277116	

CONTACT FLOOR 1 000 x 700 mm

We developed a contact floor with a modular length of 1 000 mm and a width of 700 mm.

Its 20 mm thickness integrates the electrical contacts detecting man presence.

It is realised in 3 mm dropped steel sheet.

The operator, having his weight on the floor, allows the detection of his presence on the worktop, thus allowing suction in front of him.

This solution is useful to reduce suction flows on very long sensors, both on the divided cutting table and on very long downdraft panel.

The contact floor is also suitable for other industrial applications where the detection of man presence on the worktop is necessary.

The floor enables the control of a **DAMPER BOX** associated to a motorised shutter or of a **MASTER BOX** associated to a fan.



Description	Reference	Price
Contact floor (L = 1 000 mm x l = 700 mm)	W000381023	



The downdraft hoods are intended for the collection and suction of the fumes and steams created on a worktop. They are reserved to the automatic welding machines or to robotics.

They must never be used for a manual worktop.



NEVER USE IN WELDING WITH A MANUAL OPERATOR

THE FACE OF THE OPERATOR IS BETWEEN THE EMISSION POINT OF THE FUMES AND THE HOOD IN THIS CASE.

SUCTION HOODS SINGLE / DOUBLE SKIN STEEL

2 kinds of hoods are proposed:

- open hood
- double skin hood.

The double skin hood leaves the internal volume free and generates a high suction flow rate in its periphery, creating a funnelling curtain of air.

It is made up of 2 interlaced hoods having different slopes. On an equal surface, the air flow rate implemented is lower than with a single hood (especially over a large hood area).

A hood's effectiveness will be increased by using curtains or straps in its periphery, especially if the distance between the point of the pollutants and the bottom of the hood is large.

Hoods must be supplemented by the fan adapted to the recommended air flow rate for isolated usage, or will be connected to a central suction network for combined usage.



On the hood periphery, a square tube-shaped frame or profile gives a support structure.

This frame also fixes the hood above the working area, either by aerial fixing or lateral fixing or by fixing on the ground on pillars.

The connection of the suction duct is centred on top of the hood.

BOX HOODS

The hood is made up by a square tube-shaped frame.

The suction connection is centred on the hood.

The lower part of the hood is removable for easy maintenance.

Panels are maintained by ¼ turn.

Suction is ensured through slots placed in the periphery of the lower face, ensuring a double skin suction.

Hood is completed by peripheral straps to increase efficiency.



Description	Reference	Price
Simple skin hoods		
Hood 500 x 500 mm - Ø125 mm - 600 m³/h	W000342204	
Hood 1 000 x 1 500 mm - Ø 250 mm - 2700 m³/h	W000342205	
Hood 1 000 x 2 000 mm - Ø 315 mm - 3 600 m³/h	W000342206	
Hood 1 500 x 2 500 mm - Ø 450 mm - 6 800 m³/h	W000342207	

Other dimensions available upon request

Description	Reference	Price
Double skin hoods		
Hood 1 000 x 1 500 mm - Ø 250 mm - 2 000 m³/h	W000342219	
Hood 1 000 x 2 000 mm - Ø 250 mm - 2 400 m³/h	W000342220	
Hood 1 500 x 2 000 mm - Ø 355 mm - 3 800 m³/h	W000342221	
Hood 1 500 x 2 500 mm - Ø 355 mm - 4 300 m³/h	W000342222	
Hood 1 500 x 3000 mm - Ø 400 mm - 4 850 m³/h	W000342223	

Other dimensions available upon request

Description	Reference	Price
Please contact us for costs		
Maximum dimensions: 2 000 x 5 000 mm		
50 x 50 tube-shaped frame, hood box thickness 200 mm		



SKYLIGHTS HOODS

One skylight hood is made up of suction peripheral housings and has, in its centre, an opening closed by a translucent POLYCARBONATE M1 plate letting the light pass, so avoiding a dark zone under the hood surface. Suction connections are centred on longitudinal housings.

The underside of the hood is removable for easy internal maintenance, panels are maintained by ¼ turn. Suction is ensured through slots placed in the periphery, ensuring a double skin suction.

Hood is completed by peripheral straps to increase efficiency.



Description	Reference	Price
Please contact us for costs		
Maximum dimensions: 5 000 x 5 000 mm		
50 x 50 tube-shaped frame, hood housing thickness 250 mm to 350 mm following covered surface.		



Suction linked to tool



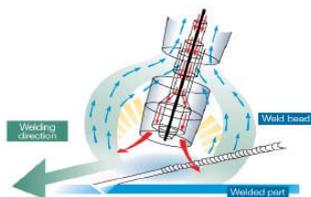
SUCTION TORCHES WST AIR

Torches WST comply with the EN 60974-7 standard.

They use indirect collection, offering an excellent fume collection and not hiding the welding wire.

The fume collector is fixed at a height of 7 cm with respect to the puddle welds.

At this distance, with a suction air volume of 80 to 130 m³/h, depending on the type of torch, the collection zone is more important than a direct collection, and so the percentage of the collected fume is close to 90-95%.



There is no direct action of the collection on the backing gas and the quality of the welds is preserved for every welding position.

Furthermore, since the collector is fixed (not adjustable), conditions are always optimal.

Through WST torches the minimum flow of 100 m³/h required by INRS, at vacuum levels below 16 500 Pa for each torch, can be achieved.

They combine ergonomics, handling and light weight for high welding performances thanks to their multi-strand beam.

The metal rotary ring of the torch handle ensures flexibility and durability. All the torch nozzles are isolated.



Description	Reference	Price
Natural cooling torches		

WST 259, 230 A under CO₂, contact tube M8, screwed nozzle Ø 16 mm, mono-section suction hose 40/40 mm.

WST 259 length 3 m	W000380450	
WST 259 length 4 m	W000380451	
WST 259 length 5 m	W000380452	

WST 259 MS, 230 A under CO₂, contact tube M6, screwed nozzle Ø 14 mm, mono-section suction hose 40/40 mm, torch DUALFLOW, trigger grip.

WST 259 MS length 3 m	W000380676	
WST 259 MS length 4 m	W000380679	
WST 259 MS length 5 m	W000380680	

WST 279, 250 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm.

WST 279 length 3 m	W000380141	
WST 279 length 4 m	W000380142	
WST 279 length 5 m	W000380143	

WST 279 MS, 250 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm torch DUALFLOW, trigger grip.

WST 279 MS length 3 m	W000380144	
WST 279 MS length 4 m	W000380145	
WST 279 MS length 5 m	W000380146	

WST 279, (Long Nozzle, extended torch 5cm) 250 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm.

WST 279 LN coudée 30° length 4 m	W000380750	
WST 279 LN coudée 50° length 4 m	W000380751	

WST 279, (Long Nozzle, Micro Switch), 250 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, trigger grip.

WST 279 LN MS coudée 30° length 4 m	W000380681	
WST 279 LN MS coudée 50° length 4 m	W000380685	

WST 359, 350 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, trigger grip.

WST 359 length 3 m	W000380686	
WST 359 length 4 m	W000380687	
WST 359 length 5 m	W000380688	

WST 359 MS, 350 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, torch DUALFLOW, trigger grip.

WST 359 MS length 3 m	W000380689	
WST 359 MS length 4 m	W000380690	
WST 359 MS length 5 m	W000380691	

WST 409, 400 A under CO₂, contact tube M8, clamped nozzle Ø 19 mm, bi-section suction hose 40/50 mm, trigger grip.

WST 409 length 3 m	W000380692	
WST 409 length 4 m	W000380693	
WST 409 length 5 m	W000380694	

WST 409 MS, 400 A under CO₂, contact tube M8, clamped nozzle Ø 19 mm, bi-section suction hose 40/50 mm, torch DUALFLOW, trigger grip.

WST 409 MS length 3 m	W000380695	
WST 409 MS length 4 m	W000380696	
WST 409 MS length 5 m	W000380697	



SUCTION TORCHES WST



Advantages of the multi-strand cable water/electricity:

The copper braid conducting electrical power is permanently cooled by the water of the cooling circuit of the torch, thus allowing, at equal power, to reduce cable section.

This leads to reduce weight and offers greater flexibility of the torch beam and thus a greater handling.

Torch with micro-contact (MS: Micro Switch): (patent ALW, torch with micro contact and modulation device of the suction flow, DUALFLOW system).

In confined welding, it is necessary to adjust the suction flow.

On traditional suction torches, this adjustment is done through an opening on the torch handle.

This opening can not be done during welding without losing the welding wire and generate a drop or a visual lack of the wire.

Furthermore, being this action an initiative of the welder, he is not obliged to close the opening and keep welding in degraded operating conditions, unsafe for his health.

Thanks to the micro-contact on the handle of the torch, by pushing on this one, the suction flow will be reduced without changing the quality of the welding wire.

Modulation control can be done by continuous pressing (by releasing the button, it goes back to the flow capacity rate or by an action in 2 steps: first pressing, flow reduction, second pressing, return to flow capacity rate). In this case, there is an automatic return to flow capacity at the end of the arc.



WST 310W



WST 359W



WST 359W MS

Description	Reference	Price
Water cooling torches		

Torch WST 310W, 300 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, cooled nozzle.

WST 310W length 3 m	W000372896	
WST 310W length 4 m	W000372898	
WST 310W length 5 m	W000372897	

Torch WST 310W MS (Micro Switch), 300 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm torch DUALFLOW, cooled nozzle.

WST 310W MS length 3 m	W000381036	
WST 310W MS length 4 m	W000381037	
WST 310W MS length 5 m	W000381038	

Torch WST 310W LN (Long Nozzle), 300 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, cooled nozzle.

WST 310W LN length 3 m	W000372899	
WST 310W LN length 4 m	W000372900	
WST 310W LN length 5 m	W000372901	

Torch WST 310W LN MS (Long Nozzle Micro Switch), 300 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, nozzle 5 cm longer than traditional torch. torch DUALFLOW.

WST 310W LN MS length 3 m	W000372902	
WST 310W LN MS length 4 m	W000372903	

Torch WST 359W, 420 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, nozzle and bent nozzle cooled 50°.

WST 359W length 3 m	W000372904	
WST 359W length 4 m	W000372905	
WST 359W length 5 m	W000372906	

Torch WST 359W MS, (microswitch) 420 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, nozzle and bent nozzle cooled 50°, torch DUALFLOW.

WST 359W MS length 3 m	W000381029	
WST 359W MS length 4 m	W000381030	
WST 359W MS length 5 m	W000381031	

Torch WST 359W LN (Long Nozzle), 420 A sous CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, nozzle and bent nozzle cooled 50°. Nozzle 5 cm longer than traditional torch.

WST 359W LN length 3 m	W000372907	
WST 359W LN length 4 m	W000372908	
WST 359W LN length 5 m	W000372909	

Torch WST 359W LN MS (Long Nozzle and Micro Switch), 50° bent, 420 A under CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, nozzle 5 cm longer than traditional torch. torch DUALFLOW.

WST 359W LN MS length 3 m	W000372912	
WST 359W LN MS length 4 m	W000372913	

Torch WST 359W LN MS (Long Nozzle Micro Switch), 420 A sous CO₂, contact tube M8, clamped nozzle Ø 16 mm, bi-section suction hose 40/50 mm, nozzle 5 cm longer than traditional torch. torch DUALFLOW.

WST 359W LN MS length 3 m 45°	W000375093	
WST 359W LN MS length 3 m 35°	W000375094	



Suction linked to tool

SUCTION TORCHES WST WATER (continued)



WST 408W

Description	Reference	Price
Torch WST 408W, 400 A under CO₂, contact tube M8, clamped nozzle Ø 19 mm, bi-section suction hose 40/50 mm, cooled nozzle.		
WST 408W length 3 m	W000273358	
WST 408W length 4 m	W000273359	
WST 408W length 5 m	W000273360	

TORCH PROTECTIVE TUBE

Torch protective tubes PACN:
Torch protective tubes in Para-Aramide/Cotton fibre with NITRILE coating.
These pipes offer a great resistance to fine projections, to fretting wear, cutting, tearing and temperature, They are sheath type, with total linear seam, without fixing points on the parts or on the tools.



Description	Reference	Price
For mono-section torches		
Diameter 47mm length 3 m	W000380132	
Diameter 47 mm length 4 m	W000380133	
Diameter 47 mm length 5 m	W000380135	
For bisection torches		
Diameter 62 mm length 3 m	W000380018	
Diameter 62 mm length 4 m	W000380019	
Diameter 62 mm length 5 m	W000380020	

CONTACT TORCH -REST

Thanks to the contact torch rest, the commissioning of a suction turbine MODULO/ESSENTIAL, or the opening of the HD register in centralised network is executed at the moment the welder takes the torch in his hand.



Description	Reference	Price
Contact torch -rest	W000279767	

The torch nozzle is inserted into a sheath with an internal diameter of 35 mm and under his weight, the sheath rotates and cuts the automation contact. Once the welder takes the torch, the sheath toggles back by its own weight and the contact is activated, suction is operating.

NON-STICK FOR TORCHES

CERASKIN is an anti-spatter with rapid drying ceramic coating providing protection of the welding equipment and welded parts from damage caused by spatters. Ideal for suction torches.



Description	Reference	Price
Anti-spatter CERASKIN	W000277679	

- CERASKIN ensures 8 hours work in several applications, (= 1 working day) without adding new product.
- Volume: 400 ml (net) - 520 ml (nominal)

Product specifications:

- Extremely rapid drying (some seconds), long-lasting and resistant ceramic coating, especially formulated to support the environment of all professional welding.
- The ceramic base creates a barrier and avoids welding spatters to adhere to welding equipments and on the wear parts.

AUTOMATIC TORCH COLLECTOR

MIG/MAG torch collector is mainly intended for automatic welding machines and welding robots.

It allows the collection at the source with a highly efficient in welding, solid or cored wires.

The collector is placed on the torch gooseneck at a distance of 100 mm from the nozzle and so, it doesn't affect the backing gas.

Collector includes:

- 1 chrome-plated collecting nozzle with clamping for a 20 mm maximum diameter gooseneck,
- 2 connecting metal pipes, with 1 pipe support, 2 polyurethane flexible pipes with 1 connecting Y of the suction hoses.



Description	Reference	Price
Machine torch collector	W000379277	
Complements		
Flexible Ø 45 mm L = 15 m without nozzles	W000372365	
Set of 2 nozzles for VAC45 hose	W000371977	





SUCTION COLLAR

Suction collars allow the collection of fumes of the MIG/MAG process on the automatic welding machines.

They are available in 2 diameters:

- D 200 mm internal for a welding torch, flow 600 m³/h.
- D 300 mm internal for an automatic welding head, flow 800 m³/h.

They are supplied:

- with a circular leather curtain funneling fume and ensuring eye protection as regards the arc radiation.
- with a mechanical poly-articulated set allowing the fixation of the collar through 4 M6 holes with a 40 pitch.

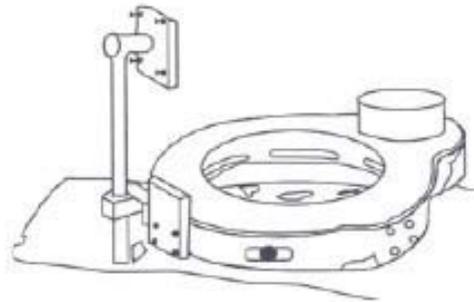
The diameter of suction connection is 100 mm.

The fixation of the curtain is realised through 4 equidistant carnations around the collar.



Description	Reference	Price
Suction collar Ø 200 mm	Contact us	
Suction collar Ø 300 mm	Contact us	

Spare		
Collar curtain Ø 200 mm	Contact us	
Collar curtain Ø 300 mm	Contact us	





Welding ergonomics

To improve the ergonomics of the worktops, increase productivity, maintain the utilisation of the torches and reduce maintenance costs, we propose a range of cranes and devices adapted to you needs.

TORCHES CRANES FOR GENERATORS

The crane for compact generator is fixed through screws or bolts on the sides or the front side of the welding generator. Arm is adjustable up to 2.5 m and can be placed on the left or right side of the generator depending on model.



Description	Reference	Price
Crane for compact generator	W000261845	

The crane for separated reel generator is fixed through bolts on the upper part of the welding generator. The crane is provided with a base plate including the rotating swivel.

The reel is fixed on the adjustable support with a balancing spring and an adjustable lifting stop. Arm is adjustable up to 2.5 m.



Description	Reference	Price
Crane for separated reel generator	W000261846	

In order to offer an ergonomic solution to the welder, ALW created a mobile support stand with wheels on which the crane for separated reel is mounted. The same crane supports the generator reel.

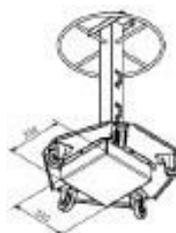
Fixation height of the crane 900 mm. Mobility thanks to 5 swivelling wheels, 2 of them lockable.

Stability is ensured by a pig placed under the mobile stand.



Description	Reference	Price
Mobile stand for separated reel crane	W000378260	

Mobile stand complement	Reference	Price
Crane for separated reel	W000261846	



SOLUTIONS "INTEGRAL"

ALW called "INTEGRAL", gathers on the same wheelbase, the one of the adapted welding top, the suction group for suction torch, the gas cylinder and ergonomic crane.

This solution, **INTEGRAL**, is provided for compact generators, but also for separated reel generators Turbines that can be associated to **INTEGRAL** solutions are the turbine **ESSENTIAL TE 35** without filtration, or the turbine **MODULO 35** with filtration.



Description	Reference	Price
INTEGRAL solution compact post	Consult us	

INTEGRAL solution separated reel post	Reference	Price
	Consult us	

A solution "INTEGRAL" is made up from a new generator, or in addition to operating generators with ALW factory return compulsory. A single electric wire supplies the welding generator and the suction turbine.





“GIRAFE” CRANES FOR SUCTION TORCHES

Crane “GIRAFE” swivel on their stand.
 The stand is fixed to ground, height of the stand 2 m (type 20) and 2.5 m (type 25).
 The reel is fixed at the edge of the crane with arm balancing.
 The arm supports an arm of 20 hg maximum and its beam.
 An halogen lamp on the arms as an option for the lighting of the worktop is available.
 The cable reel is fixed on the swivelling fixed part of the stand (fixed weight on the edge of the arm).
 The fixation of the gas cylinder is done on the stand of the crane.
 Arms are available in different lengths 3 m (type 30) - 3.5 m (type 35) and 4.5 m (type 45). (other lengths available upon request)



Description	Reference	Price
Crane “GIRAFE” 20 - 30	W000273209	
Crane “GIRAFE” 20 - 35	W000340259	
Crane “GIRAFE” 20 - 45	W000273208	
Crane “GIRAFE” 25 - 35	W000273210	

Note

The first digit of a crane shows the height of a stand, the second one, the length of the arm.

Complement base for mobile welding plant

Base 1 400 x 1 250 Consult us

Wheel platform with securing jack screws receiving the generator, the suction unit MODULO 35 or the 0.3D, the wire reel or the wire drum, the gas cylinder, the torch cooling plant.

“ERGOMIG 2D” CRANES

La potence **ERGOMIG 2D** supporte un dévidoir d'un poids maxi de 40 kg et son faisceau.
 Double articulation 2/3-1/3 de son bras porteur: 180° au point d'accrochage mural, 350° pour le support outil.
 Les 2 articulations offrent un passage libre de 100 mm permettant le passage du faisceau dévidoir et du flexible d'aspiration lors d'une utilisation torche aspirante.
 Grand rayon d'action, même avec une torche de faible longueur (dévidage amélioré).



Description	Reference	Price
Crane ERGOMIG 2D 20-06	W000340215	
Crane ERGOMIG 2D 30-10	W000340216	
Crane ERGOMIG 2D 43-22	W000340217	

Note

The first digit of a crane shows the height of a stand, the second one, the length of the arm.

Electrical and air sockets at the edge of the crane

Sockets kit W000340253

PARALLELOGRAM “AEROMIG 3D” CRANES

With its original deformable parallelogram concept, the crane allows the adjustment of the height of the reel or of the tool to be supported, and the replacement of the cable reel becomes very safe and simple.
 The lifting and lowering of the parallelogram is simply done by the jack handle with an accompanying gas strut.
 Maximum fixed load depending on model:
 - **AEROMIG 3D 20-06**: 70 kg (1 or 2 reels),
 - **AEROMIG 3D 30-10**: 70 kg (1 or 2 reels),
 - **AEROMIG 3D 43-22**: 40 kg (1 reel).
 Crane provides a double articulation: 180° at the wall fixing point, 350° for the tool support.
 The working area, without dead zone, is remarkable, also with a small length torch (improved winding)



Description	Reference	Price
Crane AEROMIG 3D 20-06	W000340213	
Crane AEROMIG 3D 30-10	W000340214	
Crane AEROMIG 3D 43-22	W000340212	

Note

The first digit of a crane shows the height of a stand, the second one, the length of the arm.

Electrical and air sockets at the edge of the crane

Plug set W000340253

Jack kit with gas strut 3D crane

Kit for crane 20-06	S94000228	
Kit for crane 30-10	S94000228	
Kit for crane 43-22	W000379660	



Welding ergonomics

AEROMIG CRANE WITH HYDRAULIC LIFTING

The hydraulic lifting of an AEROMIG 3D crane allows the lifting and lowering of the parallelogram arm through electric information.

A CE cabinet integrates the hydraulic unit for the lifting jack, a control for lifting/lowering placed on the front side, and a connection for the lifting/lowering remote control (at the edge of the crane or through a control on the torch handle).



Description	Reference	Price
Crane AEROMIG 3D 20-06 hydraulic	<i>Consult us</i>	
Crane AEROMIG 3D 30-10 hydraulic	<i>Consult us</i>	
Crane AEROMIG 3D 43-22 hydraulic	<i>Consult us</i>	



CRANES STANDS “ERGOMIG 2D AND AEROMIG 3D”

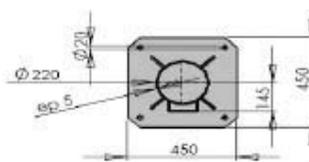
The stands are made up of thick-walled pipes adapted to the kind of crane to support.

The stand plate is sealed with pegs adapted to the ground of the factory (we recommend a concrete base if the thickness of the slab is not sufficient).

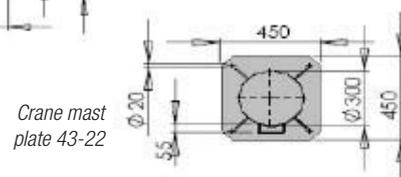
The handle of the crane stays at a standard height, accessible for the handling of the jack of the AEROMIG 3D cranes.



Description	Reference	Price
Crane stands ERGOMIG 20-06 and 30-10	W000379448	
Crane stands ERGOMIG 43-22	W000379449	
Crane stands AEROMIG 20-06 and 30-10	W000379444	
Crane stands AEROMIG 43-22	W000379447	

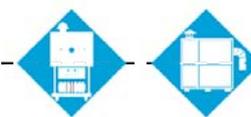


Crane mast plate
ERGOMIG 20-06 and 30-10



Crane mast plate 43-22

Turbines and high depression plants



PORTABLE FILTRATION UNIT 0.23PA

High vacuum downdraft filtration unit for fumes collection in maintenance operations or in non industrial production.

The 0.23 PA unit will be associated to a proximity collection nozzle or to a suction torch of 250 A maximum.

The unit is equipped with a metal pre-filter and a fine filter with a wide 12m² surface.

The unit is also equipped with 2 downdraft separate stream turbines with a unitary power of 1000 W

1 or 2 motors can be controlled and the operation can be either manual or automatic by detection of the welding current.

Supply voltage: 230 V-50 Hz-1 Ph.

Maximum suction flow: 160 m³/h with 1 motor ou 230 m³/h with 2 motors.

Unit 0.23PA is mobile on wheels and is provided with a Ø 45 mm hose length 2.5 m.

Weight 15 kg



Description	Reference	Price
Unit 0.23PA	W000340023	
Complements		
Magnetic base round nozzle	W000380755	
Magnetic base nozzle 300 mm long	W000380754	
Flexible Ø 45 mm L = 2.5 m with nozzles	W000340025	
Flexible Ø 45 mm L = 5 m with nozzles	W000340002	
Flexible Ø 45 mm L = 10 m with nozzles	W000340010	
Tubes connection hose F/F	W000340022	
Optional items		
Activated carbon filter (odours)	W000379690	
Wall support for 0.23PA unit	W000340003	
Connection for external release	W000340006	
Spare		
Filtration cartridge	W000379691	
HEPA Filter	W000379692	
Metal pre-filter	W000237249	

ESSENTIAL TURBINES TE35

The **ESSENTIAL TE35** turbine ensures, for one or two welding torches an efficient suction of a flow from 80 to 135 m³/h depending on the torch.

The turbine has a 3 Ph 3 kW motor for industrial use.

A metal pre-filter is integrated into the **ESSENTIAL TE35** turbine.

This unit should be connected outside the room or to a centralised network through the Ø 80 mm outlet.

This unit is provided with an arc detection sensor for an automatic commissioning and a 5 m supply cable.

Mounting of this unit is done vertically, placed on the ground, horizontally or fixed on the wall through the rear plate of the turbine.

ESSENTIAL TE35 turbine:

Maximum flow 310 m³/h, maximum vacuum 30 000 Pa, motor 3 kW, weight 51 kg.



Description	Reference	Price
Turbine ESSENTIAL TE35 , 400 V-3 Ph	W000278334	
Complements		
Support for contact torch	W000279767	
Hose Ø 45 mm L = 2.5 m with nozzles	W000340025	
Hose Ø 45 mm L = 5 m with nozzles	W000340002	
Hose Ø 45 mm L = 10 m with nozzles	W000340010	
Hoses sleeve F/F	W000340022	
Release hose Ø 80 mm L = 5 m	W000342678	
Release hose Ø 80 mm L = 10 m	W000342688	
Release hose Ø 80 mm L = 15 m	W000342697	
Spare		
Metal pre-filter 200 x 300	W000278617	

TURBINES MODULO 35

The **MODULO 35** turbine ensures, for one or two welding torches, an efficient suction of a flow from 80 to 135 m³/h depending on the model.

The turbine has a 3 Ph motor for industrial use.

A metal pre-filter is integrated into the turbine as a standard.

This unit should be connected outside the room or to a centralised network through the Ø 80 mm outlet.

This unit will be supplied, as complement option with an arc detection sensor for an automatic commissioning and/or a highly efficient filtration cartridge with 5 m² filtration surface.

This unit is equipped with 4 wheels.

MODULO 35 turbine:

Maximum flow 310 m³/h, maximum vacuum 30 000 Pa, motor 3 kW, weight 65 kg.



Description	Reference	Price
Turbine MODULO 35 , 230/400 V-3 Ph	W000340019	
Complements		
Welding current control	W000379696	
Filtration cartridge POLYESTER 5 m ² (M)	W000340608	
Support for contact torch	W000279767	
Activated carbon (odour)	W000379661	
Hose Ø 45 mm L = 5 m with nozzles	W000340002	
Hose Ø 45 mm L = 10 m with nozzles	W000340010	
Release hose Ø 80 mm L = 5 m	W000342678	
Release hose Ø 80 mm L = 10 m	W000342688	
Release hose Ø 80 mm L = 15 m	W000342697	
Spare		
Metal pre-filter	W000340600	



DUALFLOW TURBINES

Along with the microswitch suction torches WST, DUALFLOW suction turbines or the DUALFLOW register, will allow a suction flow capacity for the entire duration of the welding and, through the information given by the torch microswitch, provide a reduced suction flow for welding in confined area.

The commissioning of the turbine is done manually or automatically in coupling with the welding arc through the current sensor provided with turbines.

The flow is maximum at the moment of commissioning of the turbine and each time it is restarted.

Through the microswitch of the torch the flow is reduced, in welding, according to the 2 operation modes:

- 2 steps mode: the suction flow is reduced if microswitch is activated
- 4 steps mode: the suction flow is reduced by pressing on the microswitch, the maximum flow is provided by pressing again

Suction flow reduction is controlled by frequency converter provided with the turbine or by the DUALFLOW register. The low suction level is adjustable on the converter or through the opening angle of the DUALFLOW register.

In case of an arc repriming, after stop of the turbine, suction is automatically at its maximum level.

ESSENTIAL TURBINES TE35 DUALFLOW

The **ESSENTIAL TE35 DUALFLOW** turbine ensures, for one welding torch an efficient suction of a flow of more than 100 m³/h.

The turbine has a 3 Ph motor for industrial use.

A metal pre-filter is embedded into the **ESSENTIAL TE35 DUALFLOW** turbine.

This unit is provided with an arc detection sensor for an automatic commissioning and a 5 m supply cable.

This unit is mounted vertically on the ground, horizontally or fixed to the wall through the rear plate of the turbine.

ESSENTIAL TE35 DUALFLOW turbine:

Maximum flow 310 m³/h, maximum vacuum 30 000 Pa, motor 3 kW, weight 55 kg.

The 10 m extension Jacks allows the connection of the DUALFLOW welding torch if the turbine is more than 1m long of the torch connection.

This unit should be connected outside the room or to a centralised network through the Ø 80 mm outlet.



Description	Reference	Price
Turbine with pre-filter but without filtration		
Turbine ESSENTIAL TE35 DUALFLOW , motor 400 V-3 Ph	W000379431	
Compléments		
10 m extension with jack socket	W000381156	
Hose Ø 45 mm L = 2.5 m with nozzles	W000340025	
Hose Ø 45 mm L = 5 m with nozzles	W000340002	
Hose Ø 45 mm L = 10 m with nozzles	W000340010	
Hoses connection sleeve F/F	W000340022	
Release hose Ø 80 mm L = 5 m	W000342678	
Release hose Ø 80 mm L = 10 m	W000342688	
Release hose Ø 80 mm L = 15 m	W000342697	
Spare		
Metal pre-filter 200 x 300 + D2132	W000278617	

TURBINE MODULO 35 DUALFLOW

The **MODULO 35 DUALFLOW** turbine +B1259 ensures, for one welding torch an efficient suction of a flow of more than 100 m³/h.

The turbine has a 3 Ph motor for industrial use.

A metal pre-filter is integrated into the turbine as a standard.

This unit may be connected outside the room or to a centralised network through the Ø 80 mm outlet.

This unit will be supplied, as complement option a highly efficient filtration cartridge with 5 m² filtration surface.

This unit is equipped with 4 swivelling wheels, two of which lockable.

Turbine **MODULO 35 DUALFLOW**:

Maximum flow 310 m³/h, maximum vacuum 30 000 Pa, motor 3 kW, weight 65 kg.

The 10 m extension Jacks allows the connection of the DUALFLOW welding torch if the turbine is more than 1m long of the torch connection.

Note: This kind of device filters solid not explosive particles exclusively. It must not be used in confined atmosphere.



Description	Reference	Price
Unit receiving a filtration and a complement option		
MODULO 35 DUALFLOW turbine, Motor 400 V-3 Ph	W000380757	
Compléments		
Filtration cartridge POLYESTER 5 m ² (M)	W000340608	
10 m extension with jack socket	W000381156	
Activated carbon (odour)	W000379661	
Hose Ø 45 mm L = 5 m with nozzles	W000340002	
Hose Ø 45 mm L = 10 m with nozzles	W000340010	
Release hose Ø 80 mm L = 5 m	W000342678	
Release hose Ø 80 mm L = 10 m	W000342688	
Release hose Ø 80 mm L = 15 m	W000342697	
Spare		
Metal pre-filter	W000340600	

DUALFLOW TURBINE REGISTER

This register is fixed on the sheet of an existing turbine and is controlled by the **DAMPER BOX DUALFLOW**.

A 60 mm diameter hole has to be designed on the sheet in order the normal suction of the outdoor torch.

The **DAMPER BOX DUALFLOW** will control the turbine selected on its automatic function.

The 10 m extension Jacks allows the connection of the **DUALFLOW** welding torch if the turbine is more than 1m long of the torch connection.



Description	Reference	Price
DUALFLOW turbine register	W000381159	
DAMPER BOX DUALFLOW	W000375442	
Compléments		
10 m extension with jack socket	W000381156	
AC/DC current sensor	W000379696	
Support for contact torch	W000279767	



FILTRATION UNIT 0.3D AUTOMATIC CLEANING

The unit 0.3D ensures, for one welding torch, an efficient suction of a flow from 100 to 125 m³/h, depending on the type of torch used.

The unit 0.3D has a 3 Ph motor for industrial use.

A metal pre-filter can complete the unit in air inlet.

This unit should be connected outside the room or to a centralised network for the gas release during welding.

The outlet diameter of the unit is 80 mm.

This unit will be supplied, as complement option with an arc detection sensor for an automatic commissioning and/or a highly efficient automatic cleaning filtration cartridge with 2.5 m² filtration surface by train of pulse.

Integrated non-return valve in the air inlet.

dusts recovered in the drum, air reducing valve filter.

This unit is equipped with 2 swivelling wheels, lockable.

Unit 0.3D:

Maximum flow 310 m³/h, maximum vacuum 30 000 Pa, motor 3 kW, weight 145 kg.

Dimensions: L = 1 000 x I = 585 x H = 1 000 mm.



Description	Reference	Price
Unit 0.3D - 230/400 V-3 Ph	W000340001	

Complements	Reference	Price
Metal pre-filter kit	W000340258	
Support for contact torch	W000279767	
Hose Ø 45 mm L = 5 m with nozzles	W000340002	
Hose Ø 45 mm L = 10 m with nozzles	W000340010	
Release hose Ø 80 mm L = 5 m	W000342678	
Release hose Ø 80 mm L = 10 m	W000342688	
Release hose Ø 80 mm L = 15 m	W000342697	

Spare	Reference	Price
Filtration cartridge POLYESTER BIA M	W000379693	
Metal pre-filter 200 x 200	W000380756	

Note: This kind of device filters solid not explosive particles exclusively. It must not be used, in welding in confined atmosphere.

It is strongly recommended to connect it to an external release in the building where it is installed to comply with the regulations in force.

TUBES FOR HIGH VACUUM SUCTION

Black gimp hose diameter 45 mm, supplied with 2 nozzles

Advantage: great flexibility, but collapsible at high vacuum, creating big losses.



Description	Reference	Price
Hose Ø 45 mm L = 5 m with nozzles	W000340002	
Hose Ø 45 mm L = 10 m with nozzles	W000340010	
Set of nozzles for hose (spare)	W000340024	
2 pipes coupling	W000340022	

VAC hose en copolymer PE-EVA, light, crash-resistant, with low pressure loss.

This hose should be equipped with its nozzles.

Operating temperature
- 40 °C to + 60 °C.



Description	Reference	Price
Flexible Ø 45 mm L = 15 m without nozzles	W000372365	
Set of 2 nozzles for VAC45 hose	W000371977	
Flexible Ø 50 mm L = 15 m without nozzles	W000375488	
Set of 2 nozzles for VAC50 hose	W000375489	

Reinforced PVC hose M1, without nozzle.

Low pressure loss, good mechanical resistance and great resistance to vacuum.

Provided as 50 m collar.



Description	Reference	Price
Hose Ø 45 mm L = 50 m without nozzles	W000370032	
Hose Ø 50 mm L = 50 m without nozzles	W000370750	
Hose Ø 60 mm L = 50 m without nozzles	W000370033	
Hose Ø 63 mm L = 50 m without nozzles	W000370034	

HIGH VACUUM PLANT CF/HD/VF 1100

The CF/HD/VF1100 plant is the combination of a POLYESTER 4 cartridges cyclofilter PTFE membrane automatic cleaning, with a direct drive high vacuum radial fan, commanded and controlled by a frequency converter.

This plant allows the connection of 1 to 8 suction torches.

Continuous vacuum of 19 000 Pa, from 0 to 1 100 m³/h.

Motor: 3 Ph - 50 Hz - 400 V - 15 kW.

CE control cabinet detachable from the plant for mounting outside of the building.

The plant is provided with an air reducing valve filter for cartridge cleaning.

Inlet diameter 152 mm, outlet 200 mm.



Description	Reference	Price
Plant CF/HD/VF 1 100	W000277852	

Spare	Reference	Price
Membrane filtration cartridge POLYESTER PTFE W3 (4 cartridges required)	W000379657	



Turbines and high depression plants



HIGH VACUUM PLANT CHD AND CVHD/VF

CHD/VF - high vacuum pressure plant / frequency converter: Vacuum 2000 Pa.
CVHD/VF - high vacuum pressure plant / frequency converter: Vacuum 25000 Pa.
 Plant equipped with a 15 m remote control.
 Frequency converter installed in the soundproof hood of the plant.
 Provided with a silencer, a vertical rainscreen and the guying kit.
 Pre-filtered hood (500 x 500 mm) installed on the plant inlet.
 External mounting without specific protection against bad weather conditions.
 Plants can work with zero flow, a key characteristic with a centralised network in which every torch has its own arc time automated suction.



Description	Reference	Price
20000 Pa plant		
Plant CHD/VF 1000 15 kW 400 V 3 Ph	W000272392	
Plant CHD/VF 2000 22 kW 400 V 3 Ph	W000272393	
Plant CHD/VF 3000 37 kW 400 V 3 Ph	W000272394	
Plant CHD/VF 4500 45 kW 400 V 3 Ph	W000272395	
25000 Pa plant		
Plant CVHD/VF 1000 22 kW 400 V	W000272404	
Plant CVHD/VF 2000 30kW 400 V	W000272405	
Plant CVHD/VF 3000 45 kW 400 V	W000272407	
Spare		
Metal pre-filter	W000379647	

Note: Plants vacuum is permanent from 0 up to the maximum flow of the considered model.
 This peculiarity is due to the special curve of the high vacuum fan of the plants.
 The vacuum level of the plants is adjustable according to the network or suction torches needs from 15 000 to 20 000 Pa and from 20 000 to 25 000 Pa.
 As far as the INRS recommendations, the collection flow on a torch must be greater than 100 m³/h.

HIGH VACUUM PLANT CHD - CVHD/VF + SQ

CHD/VF + SQ: high vacuum pressure plant / frequency converter + Ssequencer for cleaning **CYCLOFILTER: Vacuum 2000 Pa.**
CVHD/VF +SQ: very high vacuum plant / Frequency converter +Sequencer for cleaning **CYCLOFILTER+B1729: Vacuum 25000 Pa.**
 Plant equipped with a 15 m remote control.
 Control cabinet integrating the sequencer for cleaning **CYCLOFILTER** command associated to the plant.
 Frequency converter installed in the soundproof hood of the plant.
 Plant provided with a silencer, a vertical rainscreen and the guying kit.
 Pre-filtered hood (500 x 500 mm) installed on the plant inlet.
 External mounting without specific protection against bad weather conditions.
 Plants can work with zero flow, a key characteristic with a centralised network in which every torch has its own arc time automated suction.



Description	Reference	Price
20000 Pa plant		
Plant CHD/VF + SQ 1000 15 kW 400 V 3 Ph	W000272396	
Plant CHD/VF + SQ 2000 22 kW 400 V 3 Ph	W000272397	
Plant CHD/VF + SQ 3000 37 kW 400 V 3 Ph	W000272398	
Plant CHD/VF + SQ 4500 45 kW 400 V 3 Ph	W000272399	
25000 Pa plant		
Plant CHD/VF + SQ 1000 22 kW 400 V 3 Ph	W000272406	
Plant CHD/VF + SQ 2000 30kW 400 V 3 Ph	W000272411	
Plant CHD/VF + SQ 3000 45 kW 400 V 3 Ph	W000272412	
Cleaning CYCLOFILTER		
PTFE membrane filtration cartridge POLYESTER, surface 10 m²		
CYCLOFILTER 2CD - 2 000 m ³ /h maxi 2 filtration cartridges	W000273088	
CYCLOFILTER 4CD - 4 000 m ³ /h maxi 4 filtration cartridges	W000340250	
CYCLOFILTER 6CD - 6 000 m ³ /h maxi 6 filtration cartridges	W000273089	
Spare		
Metal pre-filter	W000379647	
Filtration cartridge	W000379657	

Note: Plants vacuum is permanent from 0 up to the maximum flow of the considered model.
 This peculiarity is due to the special curve of the high vacuum fan of the plants.
 The vacuum level of the plants is adjustable according to the network or suction torches needs from 15 000 to 20 000 Pa and from 20 000 to 25 000 Pa.
 As far as the INRS recommendations, the collection flow on a torch must be greater than 100 m³/h.



HIGH VACUUM PLANT CCHD - CCVHD/VF

CCHD/VF:
compact high depression plant/frequency converter with embedded cleaning CYCLOFILTER:
Vacuum 2 000 Pa.

CCVHD/VF:
very high depression compact plant/frequency converter with embedded cleaning CYCLOFILTER:
Vacuum 25 000 Pa.

Compact soundproof plant with integrated cleaning CYCLOFILTER.

Plant equipped with a 15 m remote control.

Control cabinet integrating the sequencer for controlling of the cleaning CYCLOFILTER command associated to the plant.

Frequency converter installed in the soundproof frame of the plant.

Orange flashing light to indicate that the network vacuum level is too low.

A plant is equipped with a silencer and a vertical rainscreen outlet.

External mounting without specific protection against bad weather conditions.

Plants can work with zero flow, a key characteristic with a centralised network in which every torch has its own arc time automated suction.

Note: Plants vacuum, is permanent from 0 up to the maximum flow of the considered model. This peculiarity is due to the special curve of the high vacuum fan of the plants. The vacuum level of the plants is adjustable according to the network or suction torches needs from 15 000 to 20 000 Pa and from 20000 to 25000 Pa. As far as the INRS recommendations, the collection flow on a torch must be greater than 100 m³/h.



Description	Reference	Price
20000 Pa plant		
Plant CCHD/VF 1000 15 kW 400 V 3 Ph with CYCLOFILTER 2CD integrated	W000272401	
Plant CCHD/VF 2000 22 kW 400 V 3 Ph with CYCLOFILTER 2CD integrated	W000272400	
Plant CCHD/VF 3000 37 kW 400 V 3 Ph with CYCLOFILTER 4CD integrated	W000272402	
Plant CCHD/VF 4500 45 kW 400 V 3 Ph with CYCLOFILTER 4CD integrated	W000272403	
25000 Pa plant		
Plant CCHD/VF 1000 22 kW 400 V 3 Ph with CYCLOFILTER 2CD integrated	W000272408	
Plant CCHD/VF 2000 30 kW 400 V 3 Ph with CYCLOFILTER 2CD integrated	W000272409	
Plant CCHD/VF 3000 45 kW 400 V 3 Ph with CYCLOFILTER 4CD integrated	W000272410	
Cleaning CYCLOFILTER		
PTFE membrane filtration cartridge POLYESTER, surface 10 m²		
Filtration cartridge W3	W000379657	
OPTION upon request		
Plant on frame with dusts recovery in BIG BAG, CYCLOFILTER equipped with a high vacuum rotary airlock		

HIGH VACUUM PNEUMATIC REGISTERS

The pneumatic register, associated to a **DAMPER BOX ESSENTIAL** or to a **DAMPER BOX DUALFLOW**, allows the suction automation on a torch for a real time welding control.

The register is equipped with a pneumatic distributor 5/2 monostable with 24VAC reel, allowing the control of the pneumatic jack of the register.

Along with a traditional suction torch, only one register will be used, with a microswitch torch, intended to get a variation of the suction flow, 2 serial registers will be used together with **DUALFLOW**.



Description	Reference	Price
Pneumatic register HD 50	W000372349	
Pneumatic register HD 63	W000372364	
Pneumatic HD 76	W000372363	
Pneumatic HD 102	W000372362	

Turbines and high depression plants



ESSENTIAL DAMPER BOX

The **DAMPER BOX ESSENTIAL** is a control box for a high vacuum pneumatic register.

It is CE compliant and includes an isolation lockable switch of the electrical network.

Power supply 230/400 V - 1 Ph - 50 Hz

Power supply 24 V AC for solenoid valves of the pneumatic register.

Automation through current sensor, 1 or 2 sensor connected in parallel in case of use with 2 welding sources connected to the same register.

Dimensions: 275 x 120°, 120 mm.



Description	Reference	Price
Box DAMPER BOX ESSENTIAL	W000370749	
Complements		
AC/DC current sensor	W000379696	
Contact torch -rest	W000279767	

DAMPER BOX DUALFLOW

Torch **WST MS** has a power button on its handle to control modulation of the extraction flow, in association with the **DAMPER BOX DUALFLOW**, in 2-step or 4-step mode.

- **2 steps mode:** the flow is modulated by pressing the power button.
- **4 steps mode:** press the button to modulate the flow. Press it again to restore the nominal flow rate.

In all cases, when the arc stops, fume extraction goes back to nominal flow to start a new welding operation.

- Power supply 230/400 V - 1 Ph - 50 Hz.
- Power supply 24 V AC for solenoid valves of the registers.
- Automation of the main register through current sensor or auxiliary contact NO or manual control.
- Automation of the modulation register via the Micro-Switch of the WST torch.
- The cycles are managed by a programmable PLC.
- Dimensions: 350 x 120°, 120 mm.



Description	Reference	Price
DAMPER BOX DUALFLOW	W000375442	
Complements		
10 m extension with jack socket	W000381156	
AC/DC current sensor	W000379696	
Contact torch -rest	W000279767	



GROUND DUSTS SUCTION

A high vacuum plant ensures an efficient collection for suction torches, but it will also be a solution for the dusts suction, considering that the use of brushes is more and more prohibited in the industry.

As a complement of a centralised network, a dusts recovery drum won wheels will be used.

This drum, separating fine and large dusts, include a self-sealing valve on its suction hose outlet and a separating pre-filter of large dusts at its network connection point.

It will be completed with a Ø 45 mm hose ensuring connection to a centralised network/drum.

For the suction of the dusts on the ground, the drum will be equipped with a brush suction kit on the ground including: the brush, a straight steel pipe, a bent steel pipe, a 5 m pipe with its nozzles.



Description	Reference	Price
Dusts drum	W000340209	
Brush suction kit on the ground 370 mm	W000340251	

Complements		
Flexible Ø 45 mm L = 15 m without nozzles	W000372365	
Set of 2 nozzles for VAC 45 hose	W000371977	

Accessories		
Short suction nozzle	W000340016	
Long suction nozzle	Consult us	
Universal brush	W000340017	

Collection arms for fixed installations



MINIFLEX ARM Ø 75 mm

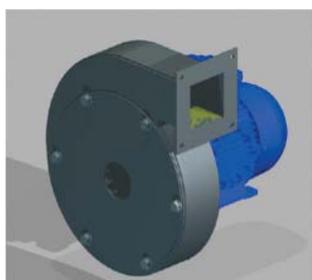
Ø 75 mm arm with rigid aluminium pipes epoxy painted.
 Pipe of the swivelling shape memory nozzle.
 Arm without internal frame, low resistance to the passage of air.
 Recommended collection flow, between 150 and 300 m³/h.
 The arm is provided with its register integrated to the last pipe on the suction pipe and a whistle nozzle.



Description	Reference	Price
Wall arm MINIFLEX 75 1 m	W000342308	
Wall arm MINIFLEX 75 1.5 m	W000342309	
Established arm MINIFLEX 75 1 m	W000342302	
Established arm MINIFLEX 75 1.5 m	W000342303	
Complements		
Nozzle with lighting	W000342306	
Cone-shaped nozzle	W000342305	
Light transformer	W000272053	

FAN FOR MINIFLEX Ø 75 mm ARM

Inlet centrifugal fans provided with coupling and grids at the air inlet/outlet.
 Wall seat included with silentblocs.
 Motor class F IP55, 230 V 1 Ph or 230/400 V 3 Ph 50 Hz.



Description	Reference	Price
Suction flow 220 m³/h for 1 arm -ØE/S fan 80 mm		
CAHP 240-0.18 kW-230 V-1 Ph	W000379116	
CAHP 200-0.18 kW-230/400 V-3 Ph	W000379117	
Electric protection 0.18 kW		
Circuit breaker 230 V - 1 Ph - 50 Hz	W000342522	
Circuit breaker 230 V - 3 Ph - 50 Hz	W000342521	
Sectioning cabin 230 V-1 Ph-50 Hz	W000342532	
Sectioning cabin 230 V-3 Ph-50 Hz	W000342546	
Sectioning cabin 400 V-3 Ph-50 Hz	W000342547	
Suction flow 220 m³/h for each arm, for 2 arms-ØE/S fan 100 mm		
CAHP 240-0.37 kW-230 V-1 Ph	W000379118	
CAHP 200-0.37 kW-230/400 V-3 Ph	W000379119	
Electric protection 0.37 kW		
Circuit breaker 230 V - 1 Ph - 50 Hz	W000342522	
Circuit breaker 230 V - 3 Ph - 50 Hz	W000342523	
Circuit breaker 400 V - 3 Ph - 50 Hz	W000342521	
Sectioning cabin 230 V-1 Ph-50 Hz	W000342540	
Sectioning cabin 230 V-3 Ph-50 Hz	W000342552	
Sectioning cabin 400 V-3 Ph-50 Hz	W000342547	
Suction flow 310 m³/h for each arm, for 3 arms-ØE/S fan 125 mm		
CAHP 310-0.75 kW-230 V-1 Ph	W000379120	
CAHP 310-0.75 kW-230/400 V-3 Ph	W000379121	
Electric protection 0.75 kW		
Circuit breaker 230 V - 1 Ph - 50 Hz	W000342525	
Circuit breaker 230 V - 3 Ph - 50 Hz	W000342524	
Circuit breaker 400 V - 3 Ph - 50 Hz	W000342522	
Sectioning cabin 230 V-1 Ph-50 Hz	W000342551	
Sectioning cabin 230 V-3 Ph-50 Hz	W000342542	
Sectioning cabin 400 V-3 Ph-50 Hz	W000342543	

Collection arms for fixed installations



MINIFLEX ARM Ø 100 mm

Ø 100 mm arm with rigid aluminium pipes epoxy painted.

Multi-directional articulation of the manoeuvrable nozzle through a front handle.

Suction cone diameter 200 mm.



Arm without internal frame, low resistance to the flow of air. Recommended collection flow, between 250 and 500 m³/h. The balancing of the wall arm is done through a spring tensioner placed on the arm pivot.



Description	Reference	Price
Wall arm MINIFLEX 100 1.5 m	W000379100	
Wall arm MINIFLEX 100 2.1 m	W000379099	

Arms loss:
 - 250 Pa for 250 m³/h
 - 360 Pa for 350 m³/h
 - 550 Pa for 450 m³/h
 - 800 Pa for 550 m³/h

Complements	Reference	Price
Register kit for arms	W000379101	
Halogen lighting kit with switch	W000379098	
Transformer for halogen lighting	W000272053	

FAN FOR MINIFLEX Ø 100 mm ARM

CAHP 240 fans provided with coupling and grids at the air inlet/outlet.

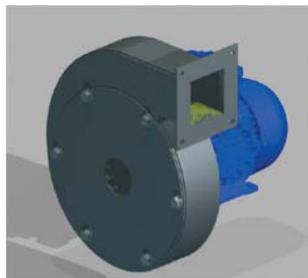
Wall seat included with silentbloccs.

AZUR1.8 and AZUR 2.1 fans, jet fans, aluminium turbine, painted steel volute.

Gilles at the air inlet/outlet.

Wall seat and ground support as a complement item.

Motor class F IP55, 230 V 1 Ph or 230/400 V 3 Ph 50 Hz.



Description	Reference	Price
Suction flow 450 m³/h for 1 arm -ØE/S fan 100 mm		
CAHP 240-0.37 kW-230 V-1 Ph	W000379116	
CAHP 240-0.37 kW-230/400 V-3 Ph	W000379117	

Electric protection 0.37 kW		
Circuit breaker 230 V - 1 Ph - 50 Hz	W000342522	
Circuit breaker 230 V - 3 Ph - 50 Hz	W000342522	
Circuit breaker 400 V - 3 Ph - 50 Hz	W000342521	
Sectioning cabin 230 V-1 Ph-50 Hz	W000342540	
Sectioning cabin 230 V-3 Ph-50 Hz	W000342552	
Sectioning cabin 400 V-3 Ph-50 Hz	W000342547	

Suction flow 450 m ³ /h for each arm, for 2 arms-ØE/S fan 160 mm		
AZUR 1.8-0.55 kW-230/400 V-3 Ph	W000379138	

Complement		
Ground and wall fan support	W000342132	

Electric protection 0.55 kW		
Circuit breaker 230 V - 3 Ph - 50 Hz	W000342523	
Circuit breaker 400 V - 3 Ph - 50 Hz	W000342522	
Sectioning cabin 230 V-3 Ph-50 Hz	W000342540	
Sectioning cabin 400 V-3 Ph-50 Hz	W000342541	

Suction flow 450 m ³ /h for each arm, for 3 arms-ØE/S fan 160 mm		
AZUR 2.1-0.75 kW-230/400 V-3 Ph	W000379120	

Electric protection 0.75 kW		
Circuit breaker 230 V - 3 Ph - 50 Hz	W000342521	
Circuit breaker 400 V - 3 Ph - 50 Hz	W000342522	
Sectioning cabin 230 V-3 Ph-50 Hz	W000342542	
Sectioning cabin 400 V-3 Ph-50 Hz	W000342543	

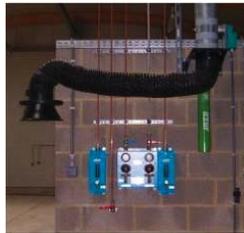


TELESCOPIC ARM Ø 160 mm

Arm with hose and telescopic pipes, balanced by counter-weight.

Metal nozzle 300 mm, integrated register and round manoeuvre handle.

Provided with its wall support console.



Description	Reference	Price
Arm TELESCOPIQUE Limit from 0.9 m to 2.2 m	W000342127	

ECOFLEX ARM Ø 160 mm

Flexible arm with metal nozzle 300 mm, integrated register and round manoeuvre handle.

Provided with its wall support console.



Description	Reference	Price
Wall arm ECOFLEX 2 m	W000342118	
Wall arm ECOFLEX 3 m	W000342119	
Wall arm ECOFLEX 4 m	W000342120	

POLYARTICULATED ARM Ø 160 mm

Arm with rigid aluminium pipes epoxy painted.

Metal nozzle 300 mm, integrated register and round manoeuvre handle.

Provided pre-mounted with its wall support console.



Description	Reference	Price
Wall arm POLYARTICULATED 2 m	W000342115	
Wall arm POLYARTICULATED 3 m	W000342125	
Wall arm POLYARTICULATED 4 m	W000342126	

AZUR PLUS CRANES Ø 160 mm

Extension cranes for arm **POLYARTICULATED**.

Wall pivot on ball bearings with adjustable friction.

Reel support rail included.

To control, you need an **AZUR crane +** the **POLYARTICULATED** arm you want to associate.



Description	Reference	Price
Crane AZUR PLUS 2.5 m	W000342149	
Crane AZUR PLUS 3.5 m	W000342153	
Crane AZUR PLUS 4.5 m	W000342156	

PEBE CRANES Ø 160 mm

Horizontal double-jointed crane and wall pivot on ball bearings.

Vertical telescopic arm with 1600 mm stroke.

Normal collection height: 800 to 2 400 mm from ground.



Description	Reference	Price
Crane PEBE 3.16 - (range 3 m)	W000342160	
Crane PEBE 4.5.16 - (range 4.5 m)	W000342164	
Crane PEBE 6.16 - (range 6 m)	W000342168	
Crane PEBE 8.16 - (range 8 m)	W000342172	

Collection arms for fixed installations

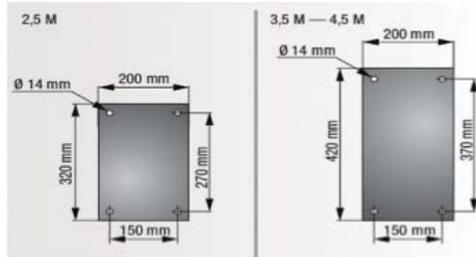


STANDS FOR AZUR PLUS CRANES

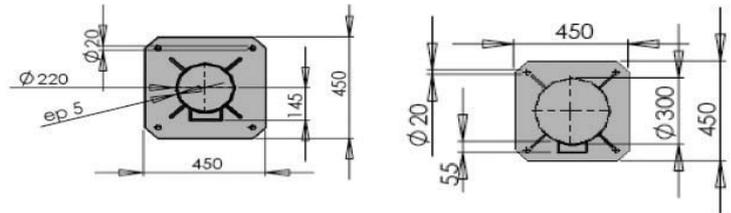
The stands are made up of thick-walled pipes adapted to the kind of crane to support.

The stand plate is sealed with pegs adapted to the ground of the factory (we recommend a concrete base if the thickness of the slab is not sufficient).

Height under crane arm 2 800 mm.



Description	Reference	Price
Crane stand AZUR PLUS 2.5 m	W000381213	
Crane stand AZUR PLUS 3.5 m and 4.5 m	W000381214	



Crane masts plate AZUR PLUS 2.5 and 3.5 - 4.5

SIMPLE FAN FOR ARM

Fan for arm **ECOFLEX** and **POLYARTICULATED**.

Vacuum flow of the fan **1 800 m³/h**.

Nozzle flow at the nozzle of the arm **1 000 m³/h**.

Aluminium turbine, painted steel volute, Diameter inlet/outlet 160 mm.

Direct mounting on the wall console of the arm.



Description	Reference	Price
Fan AZUR 1.8 230/400 V - 50 Hz - 0.55 kW	W000379138	

Electric protection	Reference	Price
Circuit breaker 230 V - 3 Ph - 50 Hz	W000342523	
Circuit breaker 400 V - 3 Ph - 50 Hz	W000342522	
Lockable sectioning cabin 230 V - 3 Ph - 50 Hz - câble 5 m	W000342540	
Lockable sectioning cabin 400 V - 3 Ph - 50 Hz - câble 5 m	W000342541	

SIMPLE FAN FOR ARMS AND CRANES

Fan for arm **ECOFLEX**, **POLYARTICULATED** and cranes **AZUR PLUS** or **PEBE**.

Vacuum flow of the fan **2 100 m³/h**.

Nozzle flow at the nozzle of the arm **1 200 m³/h**.

Aluminium turbine, painted steel volute, Diameter inlet/outlet 160 mm.

Direct mounting on the wall console of the arm.

For the mounting of the fan on **AZUR PLUS** or **PEBE**, the specific fan support needs to be added.



Description	Reference	Price
Fan AZUR 2.1 230/400 V - 50 Hz - 0.75 kW	W000342132	

Electric protection	Reference	Price
Circuit breaker 230 V - 3 Ph - 50 Hz	W000342521	
Circuit breaker 400 V - 3 Ph - 50 Hz	W000342522	
Lockable sectioning cabin 230 V - 3 Ph - 50 Hz - câble 5 m	W000342542	
Lockable sectioning cabin 400 V - 3 Ph - 50 Hz - câble 5 m	W000342543	

Fan support for cranes	Reference	Price
Fan support	W000272055	



ACCESSORIES FOR ECOFLEX AND POLYARTICULATED ARM.

The control switch is provided as standard and is fixed on the nozzle of the arm.
It allows the control of the lamp and, possibly, the manual control of the **MASTER BOX** or of the **DAMPER BOX**, that could be associated.



Description	Reference	Price
Halogen lighting 20 W - 24V	W000342209	
Spiral cord for telescopic arm	W000272054	

This transformer is adapted for the power supply of 1 to 3 halogen lightings.



Note: a 24 V supply is already integrated in the MASTER BOX and DAMPER BOX cases

Description	Reference	Price
Transformer for 1 to 3 arms		
Transformer 230 V - 1 Ph - 70 W	W000272053	

This extension is fixed instead of the cone nozzle of the arm.
It allows the fume collection in an enclosure where the arm does not access.



Description	Reference	Price
Flexible extension arm 3 m Ø 160 mm		
Extension pipe with magnet nozzle	W000342128	

This nozzle is fixed instead of the cone nozzle of the arm.
For **POLYARTICULATED** and **AZUR PLUS** cranes exclusively.



Description	Reference	Price
Hood 500 x 500		
POLYESTER M1 hood for arm	W000342121	

This long nozzle is fixed instead of the cone nozzle of the arm and has a pivot.
For **POLYARTICULATED** and **AZUR PLUS** cranes exclusively.

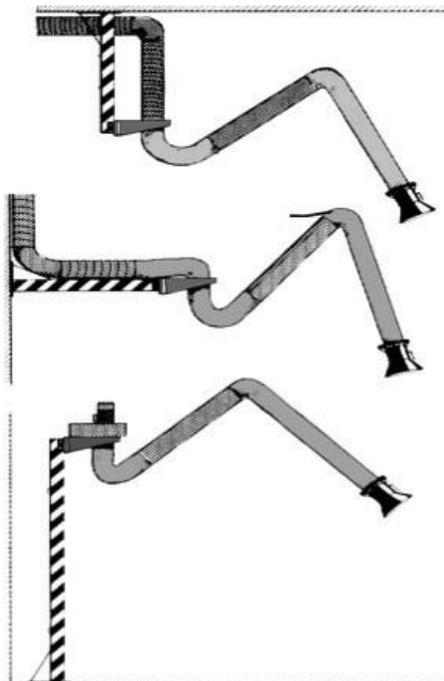


Description	Reference	Price
Long nozzle 800 mm for arm		
Swivelling nozzle POLYESTER M1	W000342122	

It allows the collection of welding fume for a length weld 1 000 mm

Cranes for arms:
- **ECOFLEX**,
- **POLYARTICULE**,
- **MINIFLEX 100**.

Possible mountings:
- on the roof,
- on the wall,
- on the ground.



Description	Reference	Price
Fixed cranes for arms		
Fixed crane L = 1.1 m	W000342199	
Fixed crane L = 2.2 m	W000342198	

Collection arms for fixed installations



TELEPICKFUME ARM Ø 203 mm

Telescopic arm from 1 000 to 1 400 mm.
180° orientation on the wall pivot.
Rotary jet 350°.



Description	Reference	Price
Arm TELEPICKFUME 0.4 m	W000372019	
Complement console arm support		
Wall console for arm and/or fan	W000342051	
Sleeve for arm connection without fan on the network		
Sleeve NFC	W000342081	

PICKFUME ARM Ø 203 mm

Arm with supporting frame
in reinforced plastic pipes 203 mm.
Rotating hood 360°.



Description	Reference	Price
Arm PICKFUME 2 m	W000372009	
Complement console support TNB		
Wall console for arm and/or fan	W000342051	
Arm PICKFUME 3 m	W000372010	
Arm PICKFUME 4 m	W000371987	
Complement console support NMB		
Wall console for arm and/or fan	W000342054	
Sleeve for arm connection without fan on the network		
Sleeve NFC	W000342081	

EASYPICKFUME ARM Ø 203 mm

Rotary jet 30°.

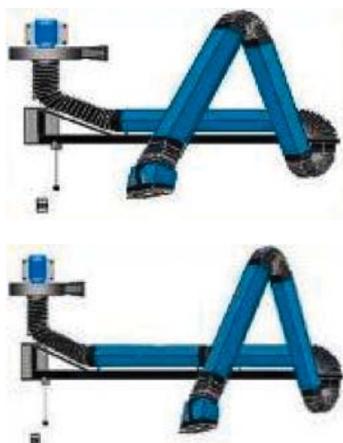


Description	Reference	Price
Arm EASYPICKFUME 3 m	W000372020	
Arm EASYPICKFUME 4 m	W000372022	
Complement console support NMB		
Wall console for arm and/or fan	W000342054	
Sleeve for arm connection without fan on the network		
Sleeve NFC	W000342081	

EXTENSION CRANES Ø 203 mm

The cranes are equipped with the
HANDYSTOP system which blocks the
crane in the desired position on the
fixation plate.

They will be completed with PICKFUME
or EASYFUME arms.



Description	Reference	Price
Crane CRANE AZUR 2 simple pivot	W000372018	
Crane CRANE AZUR 4 double pivot	W000372018	
	Complétée de W000372017	
Complément		
Reel support rail for 2 m cranes	W000342069	



EASY PICKFUME ARM LC Ø 203 mm

Arm **EASY PICKFUME** 4 m long with double central articulation, especially dedicated to working areas with low roof.

The fan can be placed either on the wall support or under it depending on the height of the roof.



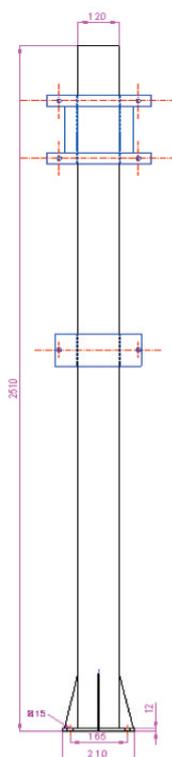
Description	Reference	Price
Arm EASY PICKFUME 4 m LC	W000372021	
Complement		
Wall fixation console TNB	W000342051	
Sleeve for arm connection without fan on the network		
Sleeve NFC	W000342081	

GROUND MAST FOR PICKFUME ARM

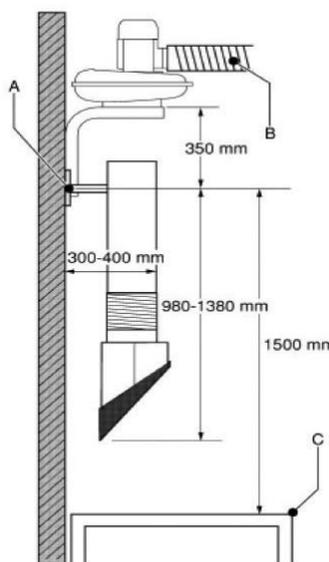
This support mast is especially studied to allow mounting of all the range of **PICKFUME** arms (excluding **AZUR 2** or **4** cranes).

It can be fixed to the ground thanks to its plate, through mechanical fixation depending on the ground.

Its total height is 2510 mm.



Description	Reference	Price
Arm mast PICKFUME	W000375723	



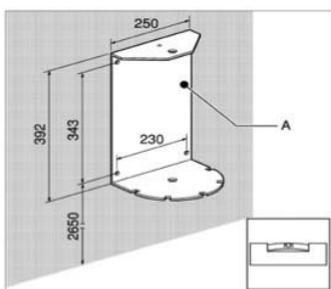
A: Arm fixation **TELEPICKFUME**
 B: Suction duct
 C: Height of the worktop

STANDS FOR AZUR 2 AND CRANES

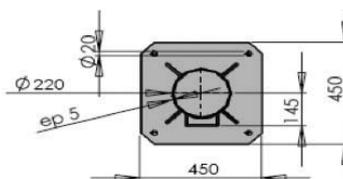
The stands are made up of thick-walled pipes adapted to the kind of crane to support.

The stand plate is sealed with pegs adapted to the ground of the factory (we recommend a concrete base if the thickness of the slab is not sufficient).

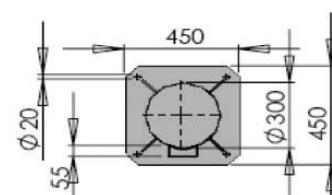
Height under crane arm 2 650 mm.



Description	Reference	Price
Crane stand CRANE AZUR 2	W000381282	
Crane stand CRANE AZUR 4	W000381283	



Crane mast plate **CRANE AZUR 2**



Crane mast plate **CRANE AZUR 4**

Collection arms for fixed installations



SIMPLE FAN FOR PICKFUME ARM

Vacuum flow of the fan **2 400 m³/h**.
 Nozzle flow at the nozzle of the arm **1 200 m³/h**.
 Aluminium turbine, polypropylene volute.
 Inlet/outlet 160 mm diameter.
 Direct mounting on the wall console of the **PICKFUME** arms.

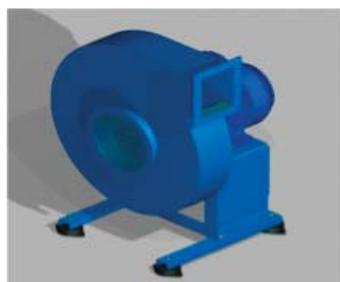


Description	Reference	Price
Fan FAN 28 - 230 V - 1 Ph - 50 Hz 0.75 kW - 2 800 tr/mn	W000342065	
Fan FAN 28 - 230 V - 3 Ph - 50 Hz 0.75 kW - 2 800 tr/mn	W000342048	
Fan FAN 28 - 400 V - 3 Ph - 50 Hz 0.75 kW - 2 800 tr/mn	W000342052	

Electric protection at choice		
Circuit breaker 0.75 kW - 230 V - 1 Ph - 50 Hz	W000342525	
Circuit breaker 0.75 kW - 230 V - 3 Ph - 50 Hz	W000342524	
Circuit breaker 0.75 kW - 400 V - 3 Ph - 50 Hz	W000342522	
Lockable sectioning cabin - 0.75 kW - 230 V - 3 Ph - 50 Hz - câble 5 m	W000342551	
Lockable sectioning cabin - 0.75 kW - 230 V - 3 Ph - 50 Hz - cable 5 m	W000342542	
Lockable sectioning cabin - 0.75 kW - 400 - 3 Ph - 50 Hz - cable 5 m	W000342543	

FAN FOR PICKFUME ARM AND CRANES

Fan adapted to the **PICKFUME** arm if a suction flow of **1 500 m³/h** is needed.
 Used with or without autonomous filtration
 Vacuum flow of the fan **2 500 m³/h**.
 Collection flow at the arm nozzle **1 500 m³/h** to **1 300 Pa** (without filter).
 Turbine and volute in painted steel.
 Fan on Silentblocks.
 Outlet diameter 200 mm, flexible sleeve outlet 160 mm.
 To be completed with a pipe $L = 1.5$ m \varnothing 200 mm at the fan inlet for connection to the arm equipped with a NFC sleeve.



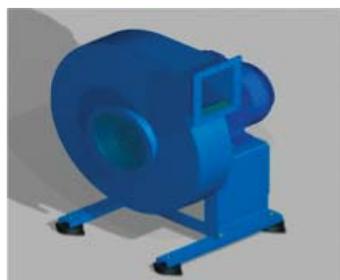
Description	Reference	Price
Fan AZUR 35 - 230/400 V - 3 Ph - 50 Hz - 1.1 kW - 2 800 tr/mn	W000381236	
Hose D200 mm, length 1.5 m	W000257717	

Electric protection at choice		
Circuit breaker 1.1 kW - 230 V - 3 Ph - 50 Hz	W000342526	
Circuit breaker 1.1 kW - 400 V - 3 Ph - 50 Hz	W000342523	
Lockable sectioning cabin - 1.1 kW - 230 V - 3 Ph - 50 Hz - câble 5 m	W000342544	
Lockable sectioning cabin - 1.1 kW - 400 - 3 Ph - 50 Hz - câble 5 m	W000342545	

Complement chair wall support		
Fan seat AZUR 35	W000380990	

FAN FOR PICKFUME ARM AND CRANES

Dan adapted to the **PICKFUME** arm mounted on **AZUR 2** et **4** cranes used with or without autonomous filtration.
 Vacuum flow of the fan **3 000 m³/h**.
 Collection flow at the nozzle of the arm **1 400 m³/h** to **2 200 Pa** (with filter).
 Turbine and volute in painted steel.
 Fan on Silentblocks.
 200 mm diameter outlet, flexible sleeve outlet 160 mm.
 To be completed with a $L = 1.5$ m \varnothing 200 mm pipe at the fan inlet for connection to the arm equipped with a NFC sleeve.



Description	Reference	Price
Fan AZUR 42 - 230/400 V - 3 Ph - 50 Hz - 1.5 kW - 2 800 tr/mn	W000378253	
Hose D 200 mm, length 1.5 m	W000257717	

Electric protection at choice		
Circuit breaker 1.5 kW - 230 V - 3 Ph - 50 Hz	W000342526	
Circuit breaker 1.5 kW - 400 V - 3 Ph - 50 Hz	W000342524	
Lockable sectioning cabin - 1.5 kW - 230 V - 3 Ph - 50 Hz - cable 5 m	W000342548	
Lockable sectioning cabin - 1.5 kW - 400 V - 3 Ph - 50 Hz - cable 5 m	W000342549	

Complement chair wall support		
Fan seat AZUR 42	W000380991	

Robotics for arms



MASTER BOX ESSENTIAL

This box, associated to a collection arm with fan, ensures a manual or automated control of the fan thus saving energy through and efficient suction exclusively during the real time of arc.

This box will be completed with a thermal-magnetic safety adapted to the fan and a sensor for its automatic commissioning. A 24 V supply for halogen lighting is included in the MASTER BOX.



Puissance moteur	230 V - 3 Ph	400 V - 3 Ph	230 V - 1 Ph
0.37 kW	GV2ME07	GV2ME06	GV2ME08
0.55 kW	GV2ME07	GV2ME06	GV2ME10
0.75 kW	GV2ME08	GV2ME07	GV2ME10
1.1 kW	GV2ME08	GV2ME08	GV2ME14
2.2 kW	GV2ME14	GV2ME10	
3 kW	GV2ME14	GV2ME14	
4 kW	GV2ME20	GV2ME14	
5.5 kW	GV2ME21	GV2ME16	



Description	Reference	Price
Box MASTER BOX ESSENTIAL	W000376084	

Note: automation allows a decrease in the electrical consumption of the motor but it allows also reducing the heating bills.



Thermal-magnetic safety to be adapted depending on the fan type

Safety GV2 ME06	W000374601	
Safety GV2 ME07	W000374602	
Safety GV2 ME08	W000374603	
Safety GV2 ME10	W000374604	
Safety GV2 ME14	W000374606	
Safety GV2 ME16	W000374607	
Safety GV2 ME20	W000374608	
Safety GV2 ME21	W000374609	

Robotics for arms, range:

- ECOFLEX
- TELESCOPIC
- POLYARTICULATED

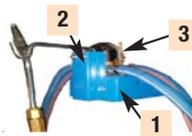


Robotics for arms, range:

- TELEPICKFUME
- PICKFUME
- EASYPICKFUME
- EASYPICKFUME 4 m LC



Automatism for control of a fan in gas welding.



Description	Reference	Price
Sensors for the automatic commissioning of the box depending on the boxes		

Current Sensor. <i>Placed on the mass cable, it detects the welding current AC or CC</i>	W000379696	
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Light sensor. <i>Placed on the nozzle of the arm, it detects the brightness of an arc or of a flame.</i>	W000342208	
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Current Sensor. <i>Placed on the mass cable, it detects the welding current AC or CC.</i>	W000379696	
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Light sensor and automatic START/STOP lamp for arm. <i>Placed on the nozzle of the arm, it includes the halogen lighting and a sensor for the arc brightness.</i>	W000379697	
	Completed with	
	W000342057	

Gas saver support	W000380549	
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Kit limit switch saver <i>When taking the saver, at the end of race, it sends information to the MASTER BOX.</i>	W000380551	
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DAMPER BOX ESSENTIAL AND SHUTTER

The **DAMPER BOX ESSENTIAL** is a control box for a motorised shutter.

It ensures the manual or automatic control of the motorised shutter to which it is associated.

Placed on a downdraft panel, a table or an arm, suction takes place exclusively during the actual welding phase.

A shutter provides a 0 to 90° opening, but its opening angle can be mechanically changed depending on the needs.

Depending on the use, the opening speed 90° can be of 8 or 4 seconds.

A complete register includes:

- A DAMPER BOX
- A motorised shutter
- An arc or light detection sensor

A 24 V supply for halogen lighting is included in the DAMPER BOX.



Description	Reference	Price
Box DAMPER BOX ESSENTIAL	W000370749	

Motorised shutter: 8s opening

Shutter Ø 80 mm	W000379134	
Shutter Ø100 mm	W000379135	
Shutter Ø125 mm	W000379136	
Shutter Ø160 mm	W000370747	
Shutter Ø 200 mm	W000370745	
Shutter Ø 250 mm	W000370746	
Shutter Ø 315 mm	W000370744	
Shutter Ø 355 mm	W000379175	
Shutter Ø 400 mm	W000370743	

Motorised shutter: 4s opening

Shutter Ø 80 mm	W000380478	
Shutter Ø100 mm	W000380479	
Shutter Ø125 mm	W000380480	
Shutter Ø160 mm	W000380481	
Shutter Ø 200 mm	W000380482	
Shutter Ø 250 mm	W000380489	

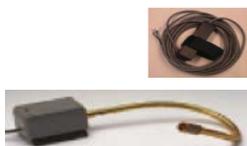
Robotics for arms



DAMPER BOX ESSENTIAL AND SHUTTER (suite)

Robotics for arms, range:

- ECOFLEX
- TELESCOPIQUE
- POLYARTICULE

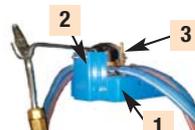


Robotics for arms, range:

- TELEPICKFUME
- PICKFUME
- EASYPICKFUME
- EASYPICKFUME 4 m LC



Automatism for control of a fan in gas welding.



Description	Reference	Price
Sensors for the automatic commissioning of the shutter box		
Current Sensor. <i>Placed on the mass cable, it detects the welding current AC or CC.</i>	W000379696	
Light sensor. <i>Placed on the nozzle of the arm, it detects the brightness of an arc or of a flame.</i>	W000342208	
Current Sensor. <i>Placed on the mass cable, it detects the welding current AC or CC.</i>	W000379696	
Light sensor and automatic START/STOP lamp for arm. <i>Placed on the nozzle of the arm, it includes the halogen lighting and a sensor for the arc brightness.</i>	W000379697	
	Complétée de	
	W000342057	
Gas saver support	W000380549	
Kit limit switch saver <i>When taking the saver, at the end of race, it sends information to the MASTER BOX.</i>	W000380551	

EXPERT BOX

This CE box includes a frequency converter for command and control of the suction power of the fan to which it is associated.

The self-adjustment of the suction power is done through a CP50 probe measuring the suction network vacuum.

Associated to motorised shutters, it saves energy by adapting the fan power to the quantity of sensors operating simultaneously.

The CP 50 sensor allows an adjustment in vacuum from 0 to 5 000 Pa.



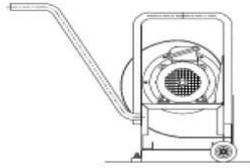
Description	Reference	Price
Box EXPERT BOX 1.5 kW - 400 V - 3 Ph	W000278636	
Box EXPERT BOX 2.2 kW - 400 V - 3 Ph	W000278637	
Box EXPERT BOX 3 kW - 400 V - 3 Ph	W000278638	
Box EXPERT BOX 4 kW - 400 V - 3 Ph	W000278639	
Box EXPERT BOX 5.5 kW - 400 V - 3 Ph	W000278640	
Box EXPERT BOX 7.5 kW - 400 V - 3 Ph	W000278641	
Box EXPERT BOX 9 kW - 400 V - 3 Ph	W000278642	
Box EXPERT BOX 11 kW - 400 V - 3 Ph	W000278643	
Box EXPERT BOX 15 kW - 400 V - 3 Ph	W000278644	
Pressure Sensor		
CP50 Sensor	W000276149	

Mobile fans (extracted or blown flow)



ESSENTIAL 2100 FAN

Maximum fan flow:
2 160 m³/h.
Motor 1.1 kW.
Provided with 5 m cable
and circuit-breaker.
Can be used for blowing
and suction.
Weight 23 kg, pipe excluded.
Steel turbine and volute.
Option:
- handle and manoeuvre wheels.



Description	Reference	Price
ESSENTIAL 2100 - 230 V - 1 Ph - 50 Hz	W000374016	
ESSENTIAL 2100 - 230 V - 3 Ph - 50 Hz	W000374015	
ESSENTIAL 2100 - 400 V - 3 Ph - 50 Hz	W000374014	
Optional items		
Fan wheels kit	W000374097	

Note: This fan is intended for collection and transport of air with a low quantity of dust and it will be connected either to an external release, or to a factory centralised network.

MNF FAN

Maximum fan flow: 2160 m³/h.
Motor 0.75 kW.
Provided with circuit breaker and 5 m cable.
Used for blowing and suction.
Weight 20 kg excluding hose.
Resin fiberglass volute.
Aluminium turbine.



Description	Reference	Price
Fan MNF - 230 V - 1 Ph - 50 Hz	W000342072	
Fan MNF - 230 V - 3 Ph - 50 Hz	W000342070	
Fan MNF - 400 V - 3 Ph - 50 Hz	W000342071	

Note: This fan is intended for collection and transport of air with a low quantity of dust and it will be connected either to an external release, or to a factory centralised network.

To complete a fan you need:

- 1 collection nozzle,
- 1 suction hose, connection between the nozzle and the fan: 5 -10 or 15 m,
- 1 delivery hose, fan outlet towards external delivery or centralised network, 5 -10 or 15 m,
- 1 set of collars adapted to the hose type selected: integrated metal ring, or external metal ring (Clip) in case of friction with the ground.



ACCESSORIES FOR FAN

Metal nozzle with magnet.
Suction section 80 x 250mm.
Nozzle with flaps and handle.



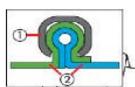
Description	Reference	Price
Collection nozzle with magnet	W000380596	

Low-flammability hose (M2).
Good resistance to UV rays and ozone.
Temperature range
- 10 to 80 °C.



Integrated metal ring PVC hoses, for suction or delivery		
Hose 5 m	W000380641	
Hose 10 m	W000380642	
Hose 15 m	W000380643	
Set of 6 flat collars	W000272064	

Hose with PVC coated glass fabric wall, fireproof.
Great resistance to sparks.
Good resistance to UV rays and ozone.
Temperature range - 20 to 90 °C.



1: external metal ring.
2: fiberglass wall covered in PVC.

Glass hoses covered in PVC with external metal ring, providing high resistance to friction, for suction or delivery		
Hose Clip 5 m	W000380636	
Hose Clip 10 m	W000380637	
Hose Clip 15 m	W000380638	
Set of 4 flat collars	W000380639	
Sleeve for hose connection with 2 collars		
	W000380640	

This sleeve allows the connection of 2 hoses of Ø160 mm in order to increase the length of the suction of blowing hose.

Mechanical filtering mobile units



MOBIFILTER 1600M

Collection flow on the arm: **1 600 m³/h.**

Mechanical cassette filter.

Filtration surface **35 m²** Ei >99.9%

EN 60335-2-69 CLASSE M.

Motor **1.5 kW.**

Rear vertical outlet.

It gets, as a complement, an external release set for a Ø 160 mm hose.

Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used, in welding in confined atmosphere. If its use is intended to be permanent, prefer a fixed filter solution with fixed sensor or arm and release outside the building.



Description	Reference	Price
MOBIFILTER 1600M 400 V-3 Ph-50 Hz	W000377937	
MOBIFILTER 1600M 230 V-1 Ph-50 Hz	W000377938	
MOBIFILTER 1600M 110 V-1 Ph-50 Hz	W000377939	
MOBIFILTER 1600M 110 V-1 Ph-60 Hz	W000377941	

To be completed with its arm at your choice

Arm ECOFLEX 3 m	W000341029	
Arm ECOFLEX 4 m	W000341031	
Arm POLYARTICULE 3 m	W000341032	
Arm POLYARTICULE 4 m	W000341033	

Optional items

Activated carbon kit	W000380758	
Arm halogen lighting	W000342209	
External emission kit Ø 160 mm	W000380765	
Hose 5 m D 160 mm	W000380641	
Hose 10 m D 160 mm	W000380642	
Hose 15 m D 160 mm	W000380643	
Set of 6 flat collars D 160 mm	W000272064	

Spare parts

Metal pre-filter ep 30 mm	W000379698	
Fine filter 610 x 610 x 292 EU7/8	W000379637	

MOBIFILTER 50M

Collection flow on the arm: **1 200 m³/h.**

Mechanical cassette filter.

Filtration surface 50 m² class M,

EN IEC 60335-2-69.

Motor **0.75 kW.**

Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used, in welding in confined atmosphere. If its use is intended to be permanent, prefer a fixed filter solution with fixed sensor or arm and release outside the building.



Description	Reference	Price
MOBIFILTER 50M - 110 V - 1 Ph - 50 Hz	W000371989	
MOBIFILTER 50M - 230 V - 1 Ph - 50 Hz	W000371997	
MOBIFILTER 50M - 230 V - 3 Ph - 50 Hz	W000371998	
MOBIFILTER 50M - 400 V - 3 Ph - 50 Hz	W000371999	

To be completed with its arm at your choice

Arm PICKFUME 3 m	W000372010	
Arm PICKFUME 4 m	W000371987	
Arm EASY PICKFUME 3 m	W000372020	
Arm EASY PICKFUME 4 m	W000372022	

Optional items

Lamp + automatic start/stop	W000341024	
Hose Ø 200 mm L 5 m + magnetic base sensor	W000341002	
Extension hose Ø 200 mm L = 5 m	W000341003	
Activated carbon filter	W000379673	

Spare parts

Metal pre-filter	W000379671	
Filtration cartridge 50 m²	W000379672	

MOBIFILTER 50M IFA W3

MOBIFILTER 50M certified IFA W3 according to EN 15012/1 standard.

Filtration surface 50 m².

Air flow at the nozzle of the arm 1200 m³/h.



Bescheinigung
Nr. IFA 13D5003
vom 12.02.2013

Description	Reference	Price
MOBIFILTER 50M IFA W3	W000377423	

To be completed with its arm at your choice

Arm PICKFUME 3 m	W000372010	
Arm PICKFUME 4 m	W000371987	
Arm EASY PICKFUME 3 m	W000372020	
Arm EASY PICKFUME 4 m	W000372022	

Optional items

See **MOBIFILTER 50M**



MECAZUR 1.8M

Collection flow: 1 600 m³/h 1 arm,
2 x 1 000 m³/h 2 arm.
Mechanical cassette filter.
Filtration surface 18.5 m² F8 EN 779.
Motor 1.5 kW.

The filter is equipped to receive the automatic start option.

The mobile filter 1.8M has, as an option element, an adaptor for the connection of an external release filter after filtration, with 160 mm diameter, for the use with 1 arm and 250 mm diameter for 2 arms.



Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used, in welding in confined atmosphere. If its use is intended to be permanent, prefer a fixed filter solution with fixed sensor or arm and release outside the building.

Description	Reference	Price
MECAZUR 1.8M 400 V - 3 Ph - 50 Hz	W000341028	
Complement: 1 or 2 arms at your choice		
Arm ECOFLEX 3 m (1 or 2)	W000341029	
Arm ECOFLEX 4 m (1 or 2)	W000341031	
Arm POLYARTICULATED 3 m (1 ou 2)	W000341032	
Arm POLYARTICULATED 4 m (1 ou 2)	W000341033	
Optional items		
Activated carbon	W000341043	
Automatic start option for use with a welding source	W000341044	
RI additional sensor to be used with 2 arms and 2 welding sources	W000380662	
External emission kit D 160 mm for 1 arm	W000381200	
External emission kit D 250 mm for 2 arm	W000381201	
Hose 5 m D 160 mm	W000380641	
Hose 10 m D 160 mm	W000380642	
Hose 15 m D 160 mm	W000380643	
Set of 6 flat collars D 160 mm	W000272064	
Hose 6m D 250 mm	W000381202	
Hose 10 m D 250 mm	W000381194	
Set of 6 flat collars D 250 mm	W000381195	
Spare parts		
Metal pre-filter	W000379695	
Fine filter	W000341048	

Cleaning filtration mobile units



MOBIFILTRE 1.2D

Nozzle flow at the nozzle of the arm: **1 200 m³/h.**
Automatic cleaning cartridge mechanical filter.
 Filtration surface 20 m² USCG M.
 Motor 1.1 kW.

Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used, in welding in confined atmosphere. If its use is intended to be permanent, prefer a fixed filter solution with fixed sensor or arm and release outside the building.



Description	Reference	Price
MOBIFILTRE 1.2D 230 V - 1 Ph - 50 Hz	W000341036	
To be completed with its arm at your choice		
Arm ECOFLEX 3 m	W000341029	
Arm ECOFLEX 4 m	W000341031	
Arm POLYARTICULATED 3 m	W000341032	
Arm POLYARTICULATED 4 m	W000341033	
Spare parts		
Filtration cartridge	W000379670	
Air regulator filter	W000272058	

MOBIFILTER 30C

Collection flow on the arm: **1 200 m³/h.**
Automatic cleaning cartridge mechanical filter, adapted for abundant fume aluminium welding type, cored wire or charging electrode.
 Filtration surface 30 m² class M, EN IEC 60335-2-69.
 Motor 0.75 kW.

Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used, in welding in confined atmosphere. If its use is intended to be permanent, prefer a fixed filter solution with fixed sensor or arm and release outside the building.



Description	Reference	Price
MOBIFILTER 30C - 110 V - 1 Ph - 50 Hz	W000372006	
MOBIFILTER 30C - 230 V - 1 Ph - 50 Hz	W000372005	
MOBIFILTER 30C - 230 V - 3 Ph - 50 Hz	W000372008	
MOBIFILTER 30C - 400 V - 3 Ph - 50 Hz	W000372000	
To be completed with its arm at your choice		
Arm PICKFUME 3 m	W000372010	
Arm PICKFUME 4 m	W000371987	
Arm EASY PICKFUME 3 m	W000372020	
Arm EASY PICKFUME 4 m	W000372022	
Optional items		
Lamp + automatic start/stop	W000341025	
Hose Ø 200 mm L 5 m + magnetic base sensor	W000341002	
Extension hose Ø 200 mm L = 5 m	W000341003	
Activated carbon filter	W000379673	
Spare parts		
Metal pre-filter	W000379681	
Filtration cartridge 50 m ²	W000379682	

MOBIFILTER SC30 WITH INTEGRATED AIR COMPRESSOR

Collection flow on the arm: **1 200 m³/h.**
Automatic cleaning cartridge filter with integrated air compressor.
 Filtration surface 30 m² class M, EN IEC 60335-2-6927.
 Motor **0.75 kW.**

Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used, in welding in confined atmosphere. If its use is intended to be permanent, prefer a fixed filter solution with fixed sensor or arm and release outside the building.



Description	Reference	Price
MOBIFILTER SC 30 - 110 V - 1 Ph - 50 Hz	W000371994	
MOBIFILTER SC 30 - 230 V - 1 Ph - 50 Hz	W000371995	
MOBIFILTER SC 30 - 230 V - 3 Ph - 50 Hz	W000371993	
MOBIFILTER SC 30 - 400 V - 3 Ph - 50 Hz	W000371991	
To be completed with its arm at your choice		
Arm PICKFUME 3 m	W000372010	
Arm PICKFUME 4 m	W000371987	
Arm EASY PICKFUME 3 m	W000372020	
Arm EASY PICKFUME 4 m	W000372022	
Optional items		
Lamp + automatic start/stop	W000341025	
Hose Ø 200 mm L 5 m + magnetic base sensor	W000341002	
Extension hose Ø 200 mm L = 5 m	W000341003	
Spare parts		
Metal pre-filter	W000379681	
Filtration cartridge 30 m ²	W000379682	

Electrostatic filtering mobile units



FILTRE 1.3E

Collection flow:

- 1 300 m³/h 1 arm,
- 2 x 1 000 m³/h 2 arm
- 2 x 900 m³/h 2 arm.

Electrostatic mobile filter for welding fume carbon steel and oily fume.

Ionizing cell 10 000 V.

Collection cell 12 m² 5 000 V.

Motor 1.5 kW.

The mobile filter 1.3E has, as an option element, an adaptor for the connection of an external release filter after filtration, with 160 mm diameter, for the use with 1 arm and 250 mm diameter for 2 arms.

Note: This kind of device filters solid non explosive particles exclusively. It must not be used, in welding in confined atmosphere. If its use is intended to be permanent, prefer a fixed filter solution with fixed sensor or arm and release outside the building.



Description	Reference	Price
MOBILE FILTER 1.3E - 400 V - 3 Ph - 50 Hz	W000341040	
MOBILE FILTER 1.3E - 230 V - 1 Ph - 50 Hz	W000374196	
To be completed with its arm at your choice		
Arm ECOFLEX 3 m (1 or 2)	W000341029	
Arm ECOFLEX 4 m (1 or 2)	W000341031	
Arm POLYARTICULATED 3 m (1 or 2)	W000341032	
Arm POLYARTICULATED 4 m (1 or 2)	W000341033	
Optional items		
Activated carbon filter	W000341043	
Automatic start option for use with a welding source	W000341044	
RI additional sensor to be used with 2 arms and 2 welding sources	W000380662	
External emission kit D 160 mm for 1 arm	W000381200	
External emission kit D 250 mm for 2 arm	W000381201	
Hose 5 m D 160 mm	W000380641	
Hose 10 m D 160 mm	W000380642	
Hose 15 m D 160 mm	W000380643	
Jeu de 6 colliers plats D 160 mm	W000272064	
Hose 6m D 250 mm	W000381202	
Hose 10 m D 250 mm	W000381194	
Set of 4 flat collars D 250 mm	W000381195	
Spare parts		
Metal pre-filter	W000379667	
Ionizing cell	W000379668	
Collecting cell	W000379669	

MOBIFILTER 1300E

Collection flow on the arm: **1 300 m³/h.**

Electrostatic mobile filter for welding fume carbon steel and oily fume.

Ionizing cell 10 000 V.

Collecting cell 14.2 m² 5 000 V.

Motor 0.75 kW.

Note: This kind of device filters solid non explosive particles exclusively. It must not be used, in welding in confined atmosphere. If its use is intended to be permanent, prefer a fixed filter solution with fixed sensor or arm and release outside the building.



Description	Reference	Price
MOBIFILTER 1300E - 110 V - 1 Ph - 50 Hz	W000371992	
MOBIFILTER 1300E - 230 V - 1 Ph - 50 Hz	W000372001	
MOBIFILTER 1300E - 230 V - 3 Ph - 50 Hz	W000372002	
MOBIFILTER 1300E - 400 V - 3 Ph - 50 Hz	W000372004	
To be completed with its arm at your choice		
Arm PICKFUME 3 m	W000372010	
Arm PICKFUME 4 m	W000371987	
Arm EASY PICKFUME 3 m	W000372020	
Arm EASY PICKFUME 4 m	W000372022	
Optional items		
Lamp + automatic start/stop	W000341025	
Hose Ø 200 mm L 5 m + magnetic base sensor	W000341002	
Extension hose Ø 200 mm L = 5 m	W000341003	
Activated carbon	W000379677	
Spare parts		
Metal pre-filter	W000379674	
Ionizing cell	W000379675	
Collecting cell	W000379676	
Wire for ioniser	W000379680	

Filters for fixed installations



CYCLONE FU MECHANICAL FILTERS

The FU are especially intended for filtration of dusts and heavy particles bigger than 5 microns.

Centrifugal filtration is used for grinding, sanding, oxycut, all heavy, non explosive particles.

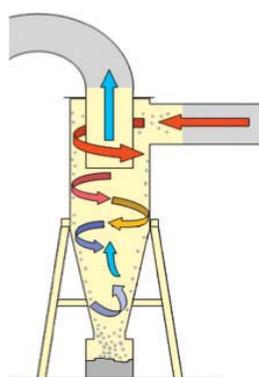
Cyclones must be used at their flow rate capacity to ensure an optimal filtration.

Pressure losses are between 1 500 and 2 000 Pa

Cyclone filtration for heavy particles of more than 5µ, has an efficiency of 95 to 98%.

It is an efficient and not expensive filtration, but the air won't be recycled in the working area.

It is also a pre-filtration for big quantities of dusts before a fine filtration.



Description	Reference	Price
Cyclone FU200 (500 m³/h)	W000275966	
Cyclone FU315 (1 000 m³/h)	W000275967	
Cyclone FU400 (2 000 m³/h)	W000275968	
Cyclone FU500 (3 000 m³/h)		
Lower body part	W000275970	
Upper body part	W000275969	
Cyclone FU630 (45 000 m³/h)		
Lower body part	W000275972	
Upper body part	W000275971	
Cyclone FU710 (6 300 m³/h)		
Lower body part	W000275974	
Upper body part	W000275973	
Cyclone FU800 (8 200 m³/h)		
Lower body part	W000275976	
Upper body part	W000275975	
Cyclone FU900 (10 000 m³/h)		
Lower body part	Contact us	
Upper body part	Contact us	
Cyclone FU1100 (15 000 m³/h)		
Lower body part	Contact us	
Partie corps supérieur	Contact us	
Cyclone FU1300 (20 000 m³/h)		
Lower body part	Contact us	
Upper body part	Contact us	

CYCLOFILTRES CD

The CYCLOFILTERS CD can be used both for welding fume and for grinding or sanding non explosive dusts.

They combine cyclone filtration to mechanical filtration through highly efficient cartridges in polyester PTFE membrane H13 class (W3), ensuring emission after filtration lower than 1 mg/m³.

The quantity of cartridges used depend on the type of CYCLOFILTER.

Thanks to their composition, the operation vacuum rate can be of 30 000 Pa, and is perfectly adapted to the high vacuum plant applications:

- **CYCLOFILTER 2CD**: 2 cartridges 10 m², filtered flow 2000 m³/h, Ø E/S 160 mm.
- **CYCLOFILTER 4CD**: 4 cartridges 10 m², filtered flow 4000 m³/h, Ø E/S 250 mm.
- **CYCLOFILTER 6CD**: 4 cartridges 10 m², filtered flow 4000 m³/h, Ø E/S 250 mm.

A CYCLOFILTER is provided with its electric control board CE including the automatic cleaning sequencer.



Description	Reference	Price
CYCLOFILTRE 2CD	W000273088	
CYCLOFILTRE 4CD	W000340250	
CYCLOFILTRE 6CD	W000273089	
Spare parts		
Cleaning sequencer	W000342255	
POLYESTER cartridge membrane PTFE	W000379657	

Note: This kind of device filters solid non explosive dry particles exclusively. In welding, since pollutants are both solid and gaseous, it must not be used in welding, in confined atmosphere. It is strongly recommended to connect it to an external release in the building where it is installed to comply with the regulations in force.



MECHANICAL CARTRIDGE FILTERS MECAZUR 35M

The wall mechanical filter **MECAZUR 35M** is a filter intended for fume filtration and dry non explosive particles.

It is a versatile filter, for an application with 1 or 2 collection arms in direct mounting or for a mounting in centralised network

It is equipped with a filtration cassette with a surface of 35 m² and a metal pre-filter.

Maximum suction flow 2400 m³/h.

POLYARTICULATED or ECOFLEX suction arms are fixed directly under the filter.

Spare pre-filter: W000379698

Fine filter: W000379637



Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used, in welding in confined atmosphere. It is strongly recommended to connect it to an external release in the building where it is installed to comply with the regulations in force.

MODULAR MECHANICAL FILTERS "MECAFILTER"

The mechanical filters **MODULAR MECAFILTER** are intended for fume filtration and dry non explosive particles.

They are filters for POLYVALENT filtration of a centralised collector of welding fume or low concentration dusts, with big flows.

Filters are equipped with filtration cassette with a unitary surface of 35 m² and metal pre-filters.

Maximum suction flow:

- MECAFILTER M2: 4000 m³/h
- MECAFILTER M3: 6000 m³/h
- MECAFILTER M4: 8000 m³/h
- MECAFILTER M5: 10000 m³/h
- MECAFILTER M6: 12000 m³/h

2 options complete the filters:

- A) Activated carbon cell for odours, carbon load 30 kg for each cell.
- B) Filtration **HEPA H12** of 22 m² for each filtration cassette.

Note: the 2 options can be combined for a complete filtration: metal pre-filter, fine filter cassette 35 m² for each filter, HEPA H13 filter of 42 m² and activated carbon.

M2: 2 pre-filters, 2 fine filters and 2 HEPA filters and/or 2 activated carbon filters.

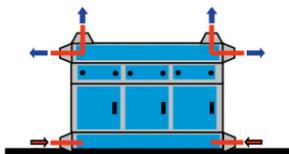
M3: 3 pre-filters, 3 fine filters and 3 HEPA filters and/or 3 activated carbon filters.

M4: 4 pre-filters, 4 fine filters and 4 HEPA filters and/or 4 activated carbon filters.

M5: 5 pre-filters, 5 fine filters and 5 HEPA filters and/or 5 activated carbon filters.

M6: 6 pre-filters, 6 fine filters and 6 HEPA filters and/or 6 activated carbon filters.

Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used, in welding in confined atmosphere. It is strongly recommended to connect it to an external release in the building where it is installed to comply with the regulations in force.



Description	Reference	Price
Use with 1 arm		
MECAZUR 35M wall version	W000342292	
MECAZUR 35M ground version	W000342837	
Fan to be associated to 1 arm		
Fan AZUR 2.1	W000342132	
Fan adapter flange	W000342871	
Use with 2 arm		
MECAZUR 35M wall version	W000342292	
MECAZUR 35M ground version	W000342837	
Fan to be associated to 2 arm		
Fan AZUR 4.7	W000342139	
TRC fan Ø 315 mm	W000342141	
Fan adapter flange	W000342285	
Sectioning board		
230 V-3 Ph-50 Hz: for fan AZUR 2.1	W000342542	
400 V-3 Ph-50 Hz: for fan AZUR 2.1	W000342543	
230 V-3 Ph-50 Hz: for fan AZUR 4.7	W000342544	
400 V-3 Ph-50 Hz: for fan AZUR 4.7	W000342545	

Description	Reference	Price
MECAFILTRE MODULAIRE M2 (70 m ²)	W000272413	
MECAFILTRE MODULAIRE M3 (105 m ²)	W000272414	
MECAFILTRE MODULAIRE M4 (140 m ²)	W000272415	
MECAFILTRE MODULAIRE M5 (175 m ²)	W000272416	
MECAFILTRE MODULAIRE M6 (210 m ²)	W000272417	

Absolute filter option		
Filtration HEPA H12 M2 (44 m ²)	W000380610	
Filtration HEPA H12 M3 (66 m ²)	W000380611	
Filtration HEPA H12 M4 (88 m ²)	W000380612	
Filtration HEPA H12 M5 (110 m ²)	W000380613	
Filtration HEPA H12 M6 (180 m ²)	W000380615	

Activated carbon filtration option		
Filtration Activated carbon M2 (60 kg)	W000380616	
Filtration Activated carbon M3 (90 kg)	W000380617	
Filtration Activated carbon M4 (120 kg)	W000380619	
Filtration Activated carbon M5 (150 kg)	W000380622	
Filtration Activated carbon M6 (180 kg)	W000380623	

T R C for filter		
Set of 2 TRC Ø 315 mm for M2 filter	W000380599	
Set of 2 TRC Ø 400 mm for M3 filter	W000380600	
Set of 2 TRC Ø 500 mm for M4 filter	W000380601	
Set of 2 TRC Ø 560 mm for M5 filter	W000380602	
Set of 2 TRC Ø 630 mm for M6 filter	W000380603	

Spare filter		
Metal pre-filter	W000379636	
Mechanical fine filter 35 m ²	W000379637	
HEPA filter H13 42 m ²	W000373568	
Cassette loaded with activated carbon	W000380597	
25 kg bag of activated carbon	W000380598	

Filters for fixed installations



FANS FOR MODULAR FILTERS



Description	Reference	Price
Fan for M2 filter		
Fan 4 000 m ³ /h under 1 600 Pa D400 A - 4 kW - 230/400 V - 50 Hz	W000342614	
TRC fan Ø 400 mm	W000342719	
Fan for M3 filter		
Fan 6 000 m ³ /h under 1 600 Pa D400B - 5.5 kW - 230/400 V - 50 Hz	W000342615	
TRC fan Ø 400 mm	W000342719	
Fan for M4 filter		
Fan 8 000 m ³ /h under 1 600 Pa D450 A - 7.5 kW - 400/660 V - 50 Hz	W000342803	
TRC fan Ø 500 mm	W000342724	
Fan for M5 filter		
Fan 10 000 m ³ /h under 1 600 Pa D450B - 11 kW - 400/660 V - 50 Hz	W000342804	
TRC fan Ø 500 mm	W000342724	
Fan for M6 filter		
Fan 12 000 m ³ /h under 1 600 Pa PAS500 - 15 kW - 400/660 V - 50 Hz	Contact us	
TRC fan Ø 630 mm	Contact us	

Fan control board

Depending on the engine power and the need of automation or adjustment:

- Sectioning cabin
- **MASTER BOX ESSENTIAL**
- **EXPERT BOX**
- Fan control box

Le filtre mécanique **MECAFILTER 30C** est un filtre à cartouche filtrante à décolmatage.

Il est destiné à la filtration des fumées et particules sèches abondantes non explosibles.

Ce filtre polyvalent convient pour 1 bras de captage.

Le filtre est équipé d'une cartouche de surface filtrante de 30 m² permettant une utilisation avec un débit d'aspiration maximum de 1600 m³/h.

Le décolmatage de la cartouche est assuré par le système **Robotclean**.

La cartouche filtrante est protégée par un caisson préfiltre métallique externe agissant contre les particules incandescentes pouvant être aspirées.

Le **MECAFILTER 30C** possède un indicateur de saturation de la cartouche filtrante.

Suivant le bras choisi ou la potence retenue, on associera le ventilateur **FAN 28** ou le fan **AZUR 42**.
(autres ventilateurs en page 32)

Le **MECAFILTER 30C** sera associé au coffret de contrôle **MASTER BOX ESSENTIAL**.



MECAFILTER 50M AZUR MECHANICAL FILTER

The mechanical filter **MECAFILTER 50M AZUR** is intended for fume filtration and dry non explosive particles.

Its design makes it a versatile filter for a filter with 1 or 2 collection arms PICKFUME or EASYPICKEFUME.

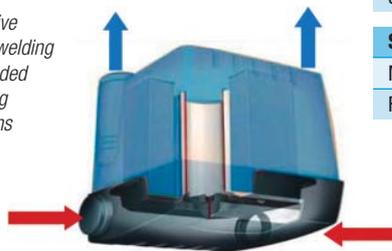
Its fine filter, cartridge type, provides a big filtration surface of 50 m², thus allowing the use with a maximum suction flow of 2 400 m³/h (2 arms at 1 200 m³/h).

The filtration cartridge is protected by an external metal pre-filter hood extracting the incandescent particles.

MECAFILTER 50M AZUR bears a saturation indicator of the filtration cartridge.

Depending on whether you use 1 or 2 arms, you can associate the FAN 28 fan or the AZUR 42. (other fans in page 32)

Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used, in welding in confined atmosphere. It is strongly recommended to connect it to an external release in the building where it is installed to comply with the regulations in force.



Description	Reference	Price
MECAFILTER 50M AZUR	W000372016	
Fan to be associated to 1 arm		
Fan FAN 28 - 230 V-3 Ph-0.75 kW	W000342048	
Fan FAN 28 - 400 V-3 Ph-0.75 kW	W000342052	
Electric protection		
Sectioning cabin 0.75 kW-230 V	W000342542	
Sectioning cabin 0.75 kW-400 V	W000342543	
Fan to be associated to 1 crane		
Fan AZUR 42 - 230/400 V-1.5 kW	W000378253	
Hose D 200 mm, length 1.5 m	W000257717	
Electric protection		
Sectioning cabin 1.5 kW - 230 V	W000342548	
Sectioning cabin 1.5 kW - 400 V	W000342549	
Spare parts		
Metal pre-filter	W000379671	
Filtration cartridge 50 m ²	W000379672	

MECAFILTER 30C MECHANICAL FILTER

The mechanical filter **MECAFILTER 30C** is a cleaning filtration cartridge.

It is intended for fume filtration and abundant dry non explosive particles.

This POLYVALENT filter is adapted for 1 collection arm.

The filter is equipped with a filtration surface of 30 m² allowing the use with a maximum suction flow of 1600 m³/h.

The cleaning of the cartridge is ensured by the **Robotclean** system.

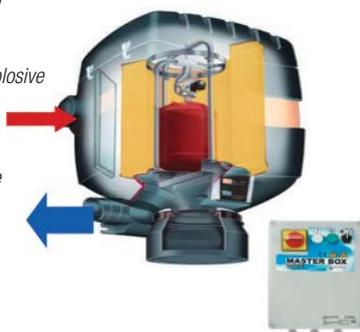
The filtration cartridge is protected by an external metal pre-filter hood extracting the incandescent particles.

MECAFILTER 30M bears a saturation indicator of the filtration cartridge.

Depending on the selected arm or crane, you can associate the **FAN 28** fan or the **AZUR 42**. (other fans in page 32)

The **MECAFILTER 30C** will be associated to the control box **MASTER BOX ESSENTIAL**.

Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used, in welding in confined atmosphere. It is strongly recommended to connect it to an external release in the building where it is installed to comply with the regulations in force.



Description	Reference	Price
MECAFILTER 30C	W000372015	
Fan to be associated to 1 arm		
Fan FAN 28 - 230 V-3 Ph-0.75 kW	W000342048	
Fan FAN 28 - 400 V-3 Ph-0.75 kW	W000342052	
Fan control and 30C filter		
Box MASTER BOX ESSENTIAL	W000376084	
Thermal safety 230 V-3 Ph	W000374603	
Thermal safety 400 V-3 Ph	W000374602	
Fan to be associated to 1 crane		
Fan AZUR 42 -230/400 V-1.5 kW	W000378253	
Hose D200 mm, length 1.5 m	W000257717	
Fan control and 30C filter		
Box MASTER BOX ESSENTIAL	W000376084	
Thermal safety 230 V-3 Ph	W000374604	
Thermal safety 400 V-3 Ph	W000374603	
Automatic commissioning for FAN28 or AZUR42 fans		
CA/CC current sensor	W000379696	
Light sensor and automatic START STOP lamp for arm.	W000379697	Completed with
	W000342057	
Spare parts		
Metal pre-filter	W000379681	
Filtration cartridge 30 m ²	W000379682	

Filters for fixed installations



ELECTROSTATIC FIXED FILTERS SFE-SFM 25/50/75

The fixed units of **electrostatic filtration SFE ALW** have been specially designed for gas treatment of carbon steel welding and of fatty fumes.

Filtration is done in 4 steps: aluminium pre-filtration (complement 1), ionising cell (10kV), collection cell (5kV) and a synthetic post filter G3 (complement 2).

A saturation alarm is included in all **SFE ALW** filters. All these filtration phases are washable.

Filtration capacity:

SFE 25: 2 500 m³/h (2 arms),
1 000 m³/h in recycling.

SFE 50: 5 000 m³/h (4 to 5 arms),
3 000 m³/h in recycling.

SFE 75: 7 500 m³/h (6 to 7 arms),
5 000 m³/h in recycling.

The **SFM ALW** are **filtration bag filters**. They combine an excellent performance with a low air resistance.

They are intended for low concentration fume/dusts applications and are particularly adapted as finishing and safety filter for the SFE and ALW filters.

Filtration capacity:

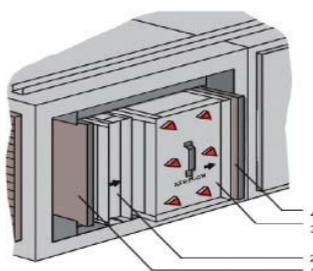
SFM 25: 2 500 m³/h,

SFM 50: 5 000 m³/h,

SFM 75: 7 500 m³/h.

Note: the inlet/outlet hoppers of the SFE and SFM filters are controlled separately depending on installation and choice of the associated fan.

Note: This kind of device filters solid non explosive particles exclusively. It must not be used, during welding in confined atmosphere. It is strongly recommended to connect it to an external release in the building, where it is installed to comply with the regulations in force.



SFM filter

Description	Reference	Price
Filter SFE ALW RIGHT inlet		
SFE 25 ED	W000342088	
SFE 50 ED	W000342090	
SFE 75 ED	Sur demande	
Filter SFE ALW left inlet		
SFE 25 EG	W000342089	
SFE 50 EG	W000342091	
SFE 75 EG	Sur demande	
Complement 1: Pre-filter		
Aluminium pre-filter G3 (1 for SFE 25, 2 for SFE 50 and 3 for SFE 75)	W000379674	
Complement 2: Post-filter		
Synthetic post-filter G3 (1 for SFE 25, 2 for SFE 50 and 3 for SFE 75)	W000379683	
Activated carbon option for odours		
Activated carbon Post-filter G3 (1 for SFE 25, 2 for SFE 50 and 3 for SFE 75)	W000379677	
Remote control option		
Remote control	C40007332	
Filters SFM ALW RIGHT inlet (integrated pre-filter)		
SFM 25 ED	W000342094	
SFM 50 ED	W000342096	
SFM 75 ED	Sur demande	
Filters SFM ALW LEFT inlet (integrated pre-filter)		
SFM 25 EG	W000342094	
SFM 50 EG	W000342096	
SFM 75 EG	Sur demande	
Spare parts		
Media Post-filter G3 (1 for SFE 25, 2 for SFE 50 and 3 for SFE 75)	W000379684	
Bag filter SFM (1 for SFM 25, 2 for SFM 50 and 3 for SFM 75)	W000379685	

CLEANING FILTER 2D

The automatic cleaning compact filter 2CD is equipped of 2 highly efficient filtration cartridges 10 m² in Polyester membrane PTFE (W3) and is adapted for applications of dry non explosive dusts: sanding, grinding, welding, cutting.

Adapted for the filtration of 1 or 2 arms (2 x 1 200 m³/h), of a grinding table 1 000 x 500 mm, of a downdraft panel 1 000 x 1 000 mm.

Metal pre-filter integrated into the air inlet, dusts recovery drum in the lower part of the filter.

Engine power 3 kW 400 V-3 Ph, providing 2 000 m³/h under 2500 Pa or 2500 m³/h under 2 000 Pa.

Inlet/outlet diameter = 250 mm.

Height 2 210 mm, Depth 900 mm, Width 900 mm, Weight 240 kg.

Control cabinet of the CE filter with remote control 10 m long.

Automatic cleaning sequencer of the cartridges with saturation alarm.



Description	Reference	Price
Filter 2CD	W000342859	
Optional items		
Silencer Ø 250 mm	W000342137	
Air regulator filter	W000272058	
Spare parts		
Metal pre-filter	W000379636	
Cartridge 10 m ² membrane PTFE (2)	W000379657	



Note: This kind of device filters solid non explosive particles exclusively. It must not be used, in welding in confined atmosphere. It is strongly recommended to connect it to an external release in the building where it is installed to comply with the regulations in force.



ESSENTIAL CLEANING FILTER

The **ESSENTIAL** automatic cleaning filters combine a highly efficient filtration quality (filtration cartridges Polyester **membrane PTFE W3** - H13) to a high performance centrifugal jet fan, to a solid filter structure made up of epoxy painted galvanised sheets.

Thanks to their composition, filters can be placed outside the building without additional protection. The **ESSENTIAL** filters provide an excellent value and have, at the air inlet, a metal pre-filter against glowing particles of welding/grinding and non-return valves blocking dusts in the filter during OFF LINE cleaning (fan stopped).

They are intended for all dry non explosive dusts or fume, in low concentration for dusts recovery drum version, in high concentration for BIG BAG versions and rotary airlock (**ER**).

The **ESSENTIAL** filters integrate the control of saturation of filtration elements, sound and light control, along with a pre-set threshold cleaning or continuous ON LINE

To comply with the machines directive 2006/42/CE in force since 29/12/2009, filters include in their control cabinet, an emergency stop line.

The commissioning of the filter can be either manual or controlled by the PROCESS to which it is connected. The inlet on an **ESSENTIAL** filter is done on the right side or on the front side.

If, for a specific mounting, the inlet has to be on left, a symmetrical version will be created upon request.



The highly efficient filtration cartridge in polyester membrane PTFE is intended for filtration of dry non explosive dust.

Thanks to its surface filtration through the PTFE membrane, it allows high concentration dust filtration with low pressure loss, lower than 30 to 50%, as regards a traditional cartridge.

These performances reduce engine power of the fan with equivalent collection efficiency and allow, consequently, a decrease in the CO₂ production.

***Note:** This kind of device filters solid non explosive particles exclusively. It must not be used, in welding in confined atmosphere. It is strongly recommended to connect it to an external release in the building where it is installed, to comply with the regulations in force.*



Description	Reference	Price
ESSENTIAL filters with dusts recovery drum		
Filter ESSENTIAL 4CD, motor 4 kW 3 900 m ³ /h under 2 000 Pa or 2 400 m ³ /h under 2 500 Pa 4 cartridges W3 of 10 m ² , E/S Ø 315 mm	W000277104	
Filter ESSENTIAL 4CD RC EASY with remote control 10 m	W000378381	
Filter ESSENTIAL 6CD, motor 5.5 kW 4 800 m ³ /h under 2 000 Pa or 3 700 m ³ /h under 2 500 Pa 6 cartridges W3 of 10 m ² , E/S Ø 400 mm	W000277106	
Filter ESSENTIAL 6CD RC EASY with remote control 10 m	W000378384	
Filter ESSENTIAL 8CD, motor 7.5 kW 7 300 m ³ /h under 2 000 Pa or 5 500 m ³ /h under 2 500 Pa 8 cartridges W3 of 10 m ² , E/S Ø 450 mm	W000277108	
Filter ESSENTIAL 8CD RC EASY with remote control 10 m	W000378385	
Filter ESSENTIAL 10CD, motor 11 kW 9 300 m ³ /h under 2 000 Pa or 8 500 m ³ /h under 2 500 Pa 10 cartridges W3 of 10 m ² , E/S Ø 500 mm	W000277110	
Filter ESSENTIAL 12CD, motor 15 kW 10 900 m ³ /h under 2 000 Pa or 9 500 m ³ /h under 2 500 Pa 12 cartridges W3 of 10 m ² , E/S Ø 500 mm	W000277112	
Filter ESSENTIAL 16CD, motor 18.5 kW 16 000 m ³ /h under 2 000 Pa or 13 000 m ³ /h under 2 500 Pa 16 cartridges W3 of 10 m ² , E/S Ø 560 mm	W000379331	
Filters with BIG BAG and rotary airlock (2 for the 16CD)		
Filter ESSENTIAL 4CD ER (BIG-BAG) E/S Ø 315 mm	W000379327	
Filter ESSENTIAL 6CD ER (BIG-BAG) E/S Ø 400 mm	W000379330	
Filter ESSENTIAL 8CD ER (BIG-BAG) E/S Ø 450 mm	W000379325	
Filter ESSENTIAL 8CD ER RC (remote control 10 m), E/S Ø 450 mm	W000378386	
Filter ESSENTIAL 10CD ER (BIG-BAG) E/S Ø 500 mm	W000379323	
Filter ESSENTIAL 12CD ER (BIG-BAG) E/S Ø 500 mm	W000378221	
Filter ESSENTIAL 16CD ER (BIG-BAG) E/S Ø 560 mm	W000379324	
Spare parts		
Metal pre-filter (2 or 4 depending on filter)	W000373569	
Cartridge 10 m ² membrane PTFE W3	W000375350	
Complement silencer filter outlet		
Silencer Ø 315 mm	W000342142	
Silencer Ø 400 mm	W000342641	
Silencer Ø 450 mm	W000342642	
Silencer Ø 500 mm	W000342643	
Silencer Ø 560 mm	W000342428	

Filters for fixed installations



CLEANING FILTER I.C.P.

The automatic cleaning filters ICP (INTELLIGENT CONTROL PROCESS) are especially studied to combine great efficiency, low sound level, compactness of the filter and of its fan (compact range).

ICP filters are provided with their fan controlled by a frequency converter allowing a flow adjustment (cutting table application) or a variable flow operation (automated multi-sensors network).

The installation of a filter outside is done without protective canopy.

They are intended for all dry non explosive dusts or fume, in low concentration for dusts recovery drum version, in high concentration for BIG BAG versions and rotary airlock (ER).

ICP filters (designed, created and produced in France), are controlled by a frequency converter and electronic pressure sensors.

To comply with the machines directive 2006/42/CE in force since 29/12/2009, filters include in their control cabinet, an emergency stop line.

The commissioning of the filter can be either manual or controlled by the PROCESS to which it is connected.

Emergency stops line, level 2.

ICP filters include metal pre-filters in the air inlet and a non-return valve.



I.C.P (Intelligent Control Process) cleaning cartridge filters, represent a significant technical development of the filtration optimising permanently the electric power of the fan to its real need, reducing thus the CO² production and your energy consumption while providing a real time control of the efficiency of your process.

Highly efficient filtration cartridges in polyester PTFE membrane are W3 class (Hepa H13).

Its surface filtration through the PTFE membrane allows high concentration dust filtration with low pressure loss, lower than 30 to 50 %, as regards a traditional cartridge.

These performances reduce engine power of the fan with equivalent collection efficiency and allow, consequently, a decrease in the CO².production.

Note: This kind of device filters solid non explosive dry particles exclusively. It must not be used during cutting in confined atmosphere. It is strongly recommended to connect it to an external release in the building where it is installed to comply with the regulations in force.



Description	Reference	Price
ICP compact FILTERS with dusts recovery drum		
Filters ICP 4, 3 000 m³/h under 3 100 Pa or 4 000 m³/h under 2 400 Pa, engine power 4 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 315 mm	W000277114	
Left inlet version - ES D 315 mm	W000277115	
Filters ICP 6, 4 000 m³/h under 3 100 Pa or 6 000 m³/h under 2 400 Pa, engine power 7.5 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 400 mm	W000277116	
Left inlet version - ES D 400 mm	W000277117	
Filters ICP 8, 5 000 m³/h under 3 100 Pa or 8 000 m³/h under 2 400 Pa, engine power 9 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 450 mm	W000277118	
Left inlet version - ES D 450 mm	W000277119	
Filters ICP 10, 8 000 m³/h under 3 100 Pa or 10 000 m³/h under 2 400 Pa, engine power 11 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 500 mm	W000277120	
Left inlet version - ES D 500 mm	W000277121	
Filters ICP 12, 9 000 m³/h under 3 100 Pa or 12 000 m³/h under 2 400 Pa, engine power 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 500 mm	W000277122	
Left inlet version - ES D 500 mm	W000277123	
ICP filters, separated version with dusts recovery drum		
Filters ICP 12 VS FP, 9 000 m³/h under 3 100 Pa or 12 000 m³/h under 2 400 Pa, engine power 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 500 mm	W000277165	
Left inlet version - ES D 500 mm	W000277166	
Filters ICP 16 VS FP, 12 000 m³/h under 3 100 Pa (cutting 22 kW) or 16 000 m³/h under 2 400 Pa (welding 15kW), engine 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet welding - ES D 560 mm	W000277167	
Left inlet welding - ES D 560 mm	W000277168	
Right inlet cutting- ES D 560 mm	W000277169	
Left inlet cutting - ES D 560 mm	W000277170	
Filters ICP 20 VS FP, 16 000 m³/h under 3 100 Pa (cutting 30kW) or 20 000 m³/h under 2 400 Pa (welding 22 kW), engine 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet welding - ES D 630 mm	W000277171	
Left inlet welding - ES D 630 mm	W000277172	
Right inlet cutting- ES D 630 mm	W000277175	
Left inlet cutting - ES D 630 mm	W000277176	
Filters ICP 24 VS FP, 18 000 m³/h under 3 100 Pa (cutting 30kW) or 24 000 m³/h under 2 400 Pa (welding 22 kW), engine 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet welding - ES D 710 mm	W000277173	
Left inlet welding - ES D 710 mm	W000277174	
Right inlet cutting- ES D 710 mm	W000277177	
Left inlet cutting - ES D 710 mm	W000277178	
Filters ICP 32 VS FP, 24 000 m³/h under 3 100 Pa (cutting 37 kW) or 32 000 m³/h under 2 400 Pa (welding 37 kW), engine 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet welding - ES D 710 mm	W000277179	
Left inlet welding - ES D 710 mm	W000277180	
Right inlet cutting- ES D 710 mm	W000277181	
Left inlet cutting - ES D 710 mm	W000277183	



CLEANING FILTER I.C.P.

The TOWER filters have the same features of all the ICP filters, but provide a low fixation to the ground if compared to a compact filter.

The fan is placed under the filter block.

TOWER filters are provided in 2 versions, dusts recovery drum for welding applications (TW FP), and BIG BAG with rotary airlock for PLASMA cutting applications and sanding grinding (TW ER), high fume or dusts release applications.



Filter ICP 12 TOWER ER



Filter ICP 12 VS ER



Filter ICP 50 VS ER

Description	Reference	Price
ICP TOWER FILTERS with dusts recovery drum		
Filters ICP 6 TW FP, 4 000 m³/h under 3 100 Pa or 6 000 m³/h under 2 400 Pa, engine power 7.5 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 400 mm	W000277149	
Left inlet version - ES D 400 mm	W000277150	
Filters ICP 8 TW FP, 5 000 m³/h under 3 100 Pa or 8 000 m³/h under 2 400 Pa, engine power 9 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 450 mm	W000277151	
Left inlet version - ES D 450 mm	W000277152	
Filters ICP 12 TW FP, 9 000 m³/h under 3 100 Pa or 12 000 m³/h under 2 400 Pa, engine power 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 500 mm	W000277153	
Left inlet version - ES D 500 mm	W000277154	
ICP filters with rotary airlock and BIG BAG		
Filters ICP 6 TW ER, 4 000 m³/h under 3 100 Pa or 6 000 m³/h under 2 400 Pa, engine power 7.5 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 400 mm	W000277142	
Left inlet version - ES D 400 mm	W000277143	
Filters ICP 8 TW ER, 5 000 m³/h under 3 100 Pa or 8 000 m³/h under 2 400 Pa, engine power 9 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 450 mm	W000277144	
Left inlet version - ES D 450 mm	W000277145	
Filters ICP 12 TW ER, 9 000 m³/h under 3 100 Pa or 12 000 m³/h under 2 400 Pa, engine power 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 500 mm	W000277146	
Left inlet version - ES D 500 mm	W000277147	
ICP filters, separated version with rotary airlock and BIG BAG.		
Filters ICP 12 VS ER, 9 000 m³/h under 3 100 Pa or 12 000 m³/h under 2 400 Pa, engine power 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet version - ES D 500 mm	W000277124	
Left inlet version - ES D 500 mm	W000277125	
Filters ICP 16 VS ER, 12 000 m³/h under 3 100 Pa (cutting 22 kW) or 16 000 m³/h under 2 400 Pa (welding 15kW), engine 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet welding - ES D 560 mm	W000277126	
Left inlet welding - ES D 560 mm	W000277127	
Right inlet cutting- ES D 560 mm	W000277128	
Left inlet cutting - ES D 560 mm	W000277129	
Filters ICP 20 VS ER, 16 000 m³/h under 3 100 Pa (cutting 30kW) or 20 000 m³/h under 2 400 Pa (welding 22 kW), engine 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet welding - ES D 630 mm	W000277130	
Left inlet welding - ES D 630 mm	W000277131	
Right inlet cutting- ES D 630 mm	W000277132	
Left inlet cutting - ES D 630 mm	W000277133	
Filters ICP 24 VS ER, 18 000 m³/h under 3 100 Pa (cutting 30kW) or 24 000 m³/h under 2 400 Pa (welding 22 kW), engine 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet welding - ES D 710 mm	W000277134	
Left inlet welding - ES D 710 mm	W000277135	
Right inlet cutting- ES D 710 mm	W000277136	
Left inlet cutting - ES D 710 mm	W000277137	
Filters ICP 32 VS ER, 24 000 m³/h under 3 100 Pa (cutting 37 kW) or 32 000 m³/h under 2 400 Pa (welding 37 kW), engine 15 kW - 400 V 3 Ph - 50 Hz		
Right inlet welding - ES D 710 mm	W000277138	
Left inlet welding - ES D 710 mm	W000277139	
Right inlet cutting- ES D 710 mm	W000277140	
Left inlet cutting - ES D 710 mm	W000277141	

Filters for fixed installations



SPARE FILTERS ICP RANGE

	Qté
Filtre ICP4	4
Filtre ICP6	6
Filtre ICP8	8
Filtre ICP10	10
Filtre ICP12	12
Filtre ICP 12VS, FP ou ER	12
Filtre ICP 16VS, FP ou ER	16
Filtre ICP 20 VS, FP ou ER	20
Filtre ICP 24VS, FP ou ER	24
Filtre ICP 32VS, FP ou ER	32
Filtre ICP 6TW, FP ou ER	6
Filtre ICP 8TW, FP ou ER	8
Filtre ICP 12TW, FP ou ER	12

Description	Reference	Price
Filtration cartridge		
 <p>Filtration cartridge polyester PFTE membrane, filtration class W3, EN 15012/1 compliant</p>	W000379657	

	Qté
Filtre ICP4	2
Filtre ICP6	2
Filtre ICP8	2
Filtre ICP10	2
Filtre ICP12	3
Filtre ICP 12VS, FP or ER	2
Filtre ICP 16VS, FP or ER	2
Filtre ICP 20 VS, FP or ER	4
Filtre ICP 24VS, FP or ER	4
Filtre ICP 32VS, FP or ER	4
Filtre ICP 6TW, FP or ER	2
Filtre ICP 8TW, FP or ER	2
Filtre ICP 12TW, FP or ER	2

Description	Reference	Price
Metal pre-filters		
 <p>Pre-filter 800 x 295 thickness 24 mm</p>	W000379658	
 <p>Pre-filter 610x610 thickness 24 mm</p>	W000379636	



Description	Reference	Price
BIG BAG		
BIG BAG waterproof 740 x 740 x 740	W000376612	

Network fans



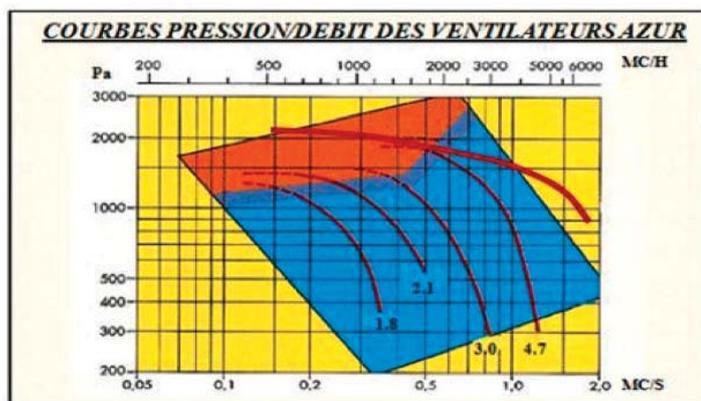
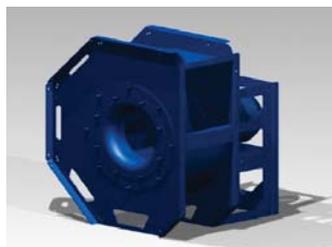
AZUR FIXED FANS 1 TO 4 ARMS

The **AZUR** fans are modern, performing, not expensive and silent. Fans are equipped with steel volute, aluminium turbine excluding the D350 model that is in steel.

These fans are CE compliant and are equipped with grids on the inlets and outlets.

AZUR 1.8 and **2.1** fans are intended to be mounted on **ECOFLEX** and **POLYARTICULATED** arms.

For mounting on **AZUR PLUS** and **PEBE** cranes, you should use a specific fan angle bracket.



Description	Reference	Price
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Fan AZUR 1.8 - E/S 160 mm		
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Motor: 0.55 kW, 230/400 V 3 Ph 50 Hz Flow while empty 1800 m ³ /h, sound level 64 dB(A). Weight 13.4 kg	W000379138	
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Fan AZUR 2.1 - E/S 160 mm		
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Motor: 0.75 kW, 230/400 V 3 Ph 50 Hz Flow while empty 2100 m ³ /h, sound level 65 dB(A). Weight 16.4 kg	W000342132	
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Complements depending on mounting		
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Fan support for cranes	W000272055	
Ground or wall mounting universal support	W000342143	

Fan AZUR 3.0 - E 250 mm		
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Motor: 1.1 kW, 230/400 V 3 Ph 50 Hz Flow while empty 3000 m ³ /h, sound level 70 dB(A). Weight 24 kg	W000342134	
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Complements depending on mounting		
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Adjustment fan D 200 mm outlet	W000342135	
Adjustment fan D 250 mm outlet	W000342136	
Fan support for cranes	W000272055	
Ground or wall mounting universal support	W000342143	

Fan AZUR 4.7 - E 250 mm		
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Motor: 2.2 kW, 230/400 V 3 Ph 50 Hz Flow while empty 4700 m ³ /h, sound level 70 dB(A). Weight 35 kg	W000342139	
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Complements depending on mounting		
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Adjustment fan D 250 mm outlet	W000342140	
Adjustment fan D 315 mm outlet	W000342141	
Ground or wall mounting universal support	W000342143	

Fan AZUR D350 - E 355 mm		
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Motor: 3 kW, 230/400 V 3 Ph 50 Hz Flow while empty 7200 m ³ /h, sound level 78 dB(A). Weight 78 kg: fan on chair with silentblocs	W000342611	
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Complements depending on mounting		
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Adjustment fan D 315 mm outlet	W000342714	
Adjustment fan D 355 mm outlet	W000342715	
Chair for wall fixation	W000342716	

Network fans



FIXED FANS SERIES D350 TO D710

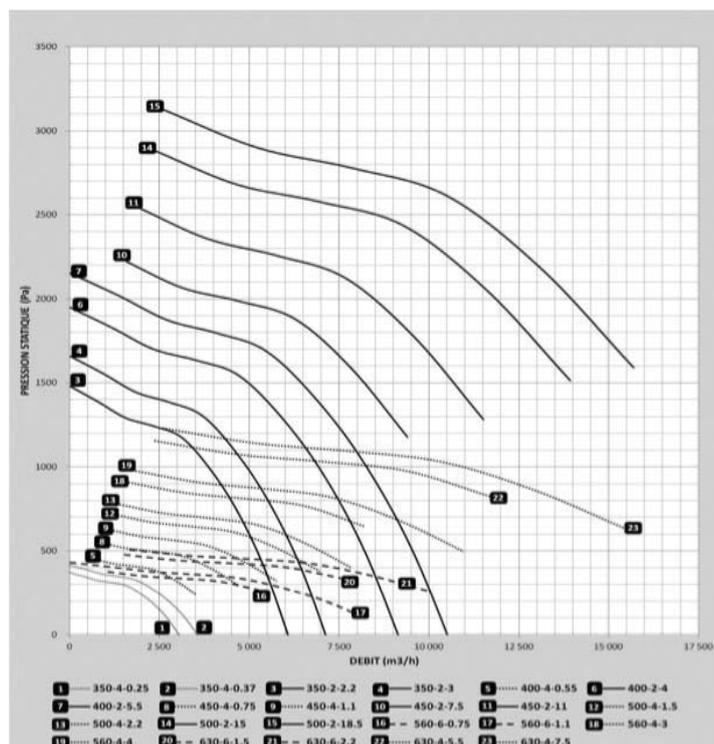
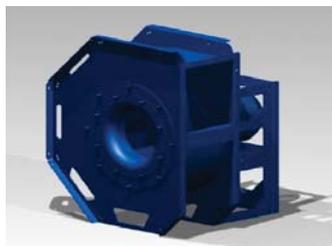
The jet single-inlet centrifugal fan with direct start and high performance are used for clean air suction or for air with a low content of dusts, for civil or industrial air conditioning plants.

They are also used in applications needing to transport low pressure air to a maximum temperature of 80°C.

The D350 and D710 fans are provided in LGO° orientation, fan inlet and companion flange at blowing normally provided.

Technical features:

- Volute and frame in painted steel RAL 5015, thickness from 3 to 6 mm.
- Simple turbine in painted steel.
- Jet blades.
- Dynamically balanced turbine.
- Electric motor 230/400 V or 400/690 V, IP55 - IE2.



Description	Reference	Price
FANS D350 - Ø 355 mm inlet - 3 Ph - 50 Hz		
D 350A - 2.2 kW - 2800 tr/mn - 230/400 V Sound level 77 dB(A). Weight 77 kg	W000342610	
D 350B - 3 kW - 2800 tr/mn - 230/400 V Sound level 78 dB(A). Weight 87 kg	W000342611	
D 350C - 0.25 kW - 1400 tr/mn - 230/400 V Sound level 64 dB(A). Weight 66 kg	W000342612	
D 350D - 0.37 kW - 1400 tr/mn - 230/400 V Sound level 65 dB(A). Weight 66 kg	W000342613	

Complements depending on mounting		
Adjustment fan D 315 mm outlet	W000342714	
Adjustment fan D 355 mm outlet	W000342715	
Chair for wall fixation	W000342716	

FANS D400 - Ø 400 mm inlet - 3 Ph - 50 Hz		
D 400A - 4 kW - 2800 tr/mn - 230/400 V Sound level 79 dB(A). Weight 110 kg	W000342614	
D 400B - 5.5 kW - 2800 tr/mn - 230/400 V Sound level 82 dB(A). Weight 133kg	W000342615	
D 400C - 0.55 kW - 1400 tr/mn - 230/400 V Sound level 67 dB(A). Weight 85 kg	W000342616	
D 400A - 4 kW - 2800 tr/mn - 400/690 V Sound level 79 dB(A). Weight 110 kg	W000342801	
D 400B - 5.5 kW - 2800 tr/mn - 400/690 V Sound level 82 dB(A). Weight 133 kg	W000342802	

Complements depending on mounting		
Adjustment fan outlet D 355 mm	W000342718	
Adjustment fan outlet D 400 mm	W000342719	
Adjustment fan outlet D 450 mm	W000342720	
Chair for wall fixation	W000342721	

FANS D450 - Ø 450 mm inlet - 3 Ph - 50 Hz		
D 450A - 7.5 kW - 2800 tr/mn - 230/400 V Sound level 84 dB(A). Weight 150 kg	W000342617	
D 450B - 11 kW - 2800 tr/mn - 230/400 V Sound level 85 dB(A). Weight 197 kg	W000342618	
D 450C - 0.75 kW - 1400 tr/mn - 230/400 V Sound level 67 dB(A). Weight 101kg	W000342619	
D 450D - 1.1 kW - 1400 tr/mn - 230/400 V Sound level 70 dB(A). Weight 108 kg	W000342620	
D 450A - 7.5 kW - 2800 tr/mn - 400/690 V Sound level 84 dB(A). Weight 150 kg	W000342803	
D 450B - 11 kW - 2800 tr/mn - 400/690 V Sound level 85 dB(A). Weight 197 kg	W000342804	

Complements depending on mounting		
Adjustment fan D 400 mm outlet	W000342722	
Adjustment fan D 450 mm outlet	W000342723	
Adjustment fan D 500 mm outlet	W000342724	
Chair for wall fixation	W000342725	



FIXED FANS SERIES D350 TO D710 (suite)

Description	Reference	Price
FANS D 500 - Ø 500 mm outlet - 3 Ph - 50 Hz		
D 500A - 15 kW - 2800 tr/mn - 230/400 V Sound level 88 dB(A). Weight 228 kg	W000342621	
D 500B - 18.5 kW - 2800 tr/mn - 230/400 V Sound level 89 dB(A). Weight 248 kg	W000342622	
D 500A - 1.5 kW - 1400 tr/mn - 230/400 V Sound level 71 dB(A). Weight 140 kg	W000342623	
D 500D - 2.2 kW - 1400 tr/mn - 230/400 V Sound level 72 dB(A). Weight 150 kg	W000342624	
D 500A - 15 kW - 2800 tr/mn - 400/690 V Sound level 88 dB(A). Weight 228 kg	W000342805	
D 500B - 18.5 kW - 2800 tr/mn - 400/690 V Sound level 89 dB(A). Weight 248 kg	W000342806	

Complements depending on the fan mounting D500

Adaptor D 450 mm fan outlet	W000342726	
Adaptor D 500 mm fan outlet	W000342727	
Chair for wall fixation	W000342728	

FANS D 560 - Ø 560 mm outlet- 3 Ph - 50 Hz

D 560A - 3 kW - 1400 tr/mn - 230/400 V Sound level 73 dB(A). Weight 180 kg	W000342627	
D 560B - 4W - 1400 tr/mn - 230/400 V Sound level 73 dB(A). Weight 190 kg	W000342628	
D 560A - 0.75 kW - 900 tr/mn - 230/400 V Sound level 63 dB(A). Weight 169 kg	W000342629	
D 560D - 1.1 kW - 900 tr/mn - 230/400 V Sound level 65 dB(A). Weight 172 kg	W000342630	

Complements depending on mounting

Adaptor D 500 mm fan outlet	W000342729	
Adaptor D 560 mm fan outlet	W000342730	
Chair for wall fixation	W000342731	

FANS D630 - Ø 630 mm inlet - 3 Ph - 50 Hz

D 630A - 5.5 kW - 1400 tr/mn - 230/400 V Sound level 75 dB(A). Weight 244 kg	W000342631	
D 630B - 7.5W - 1400 tr/mn - 230/400 V Sound level 76 dB(A). Weight 257 kg	W000342632	
D 630C - 1.5 kW - 900 tr/mn - 230/400 V Sound level 66 dB(A). Weight 213 kg	W000342633	
D 630D - 2.2 kW - 900 tr/mn - 230/400 V Sound level 68 dB(A). Weight 233 kg	W000342634	
D 630A - 5.5 kW - 1400 tr/mn - 230/400 V Sound level 75 dB(A). Weight 244 kg	W000342807	
D 630B - 7.5W - 1400 tr/mn - 230/400 V Sound level 76 dB(A). Weight 257 kg	W000342808	

Complements depending on mounting

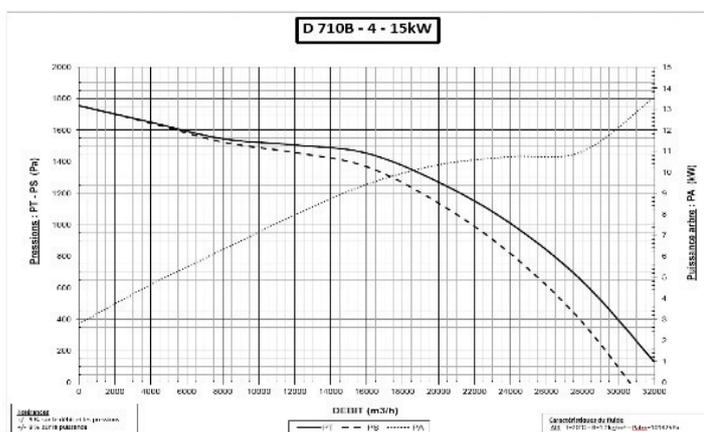
Adaptor fan D 560 mm outlet	W000342732	
Adaptor fan D 630 mm outlet	W000342733	

FANS D710 - Ø 710 mm inlet - 3 Ph - 50 Hz

D 710B - 15 kW - 1400 tr/mn - 400/690 V Sound level 79 dB(A). Weight 366 kg	W000342809	
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Complements depending on mounting

Adaptor D 630 mm fan outlet	W000381408	
Adaptor D 710 mm fan outlet	W000381409	



Network fans



FIXED FANS SERIES PRCU PRS56

The jet single-inlet centrifugal fan with direct start and high performance are used for clean air suction or for air with a low content of dusts, for civil or industrial air conditioning plants.

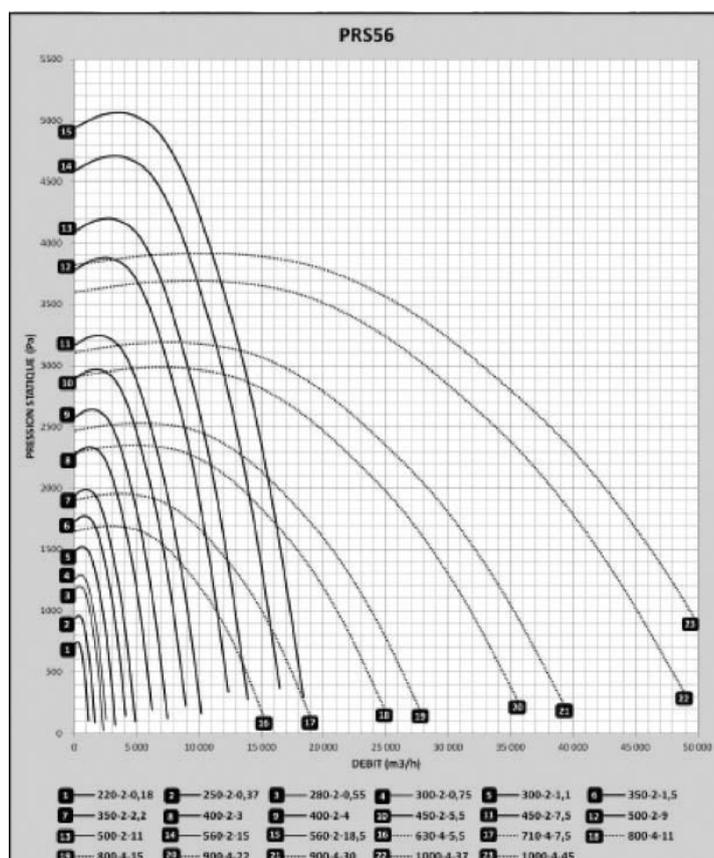
They are also used in applications needing to transport low pressure air to a maximum temperature of 80°C.

The PRCU 200 to 1 000 fans are provided in LGO° orientation, fan inlet and companion flange at blowing normally provided.



Technical features:

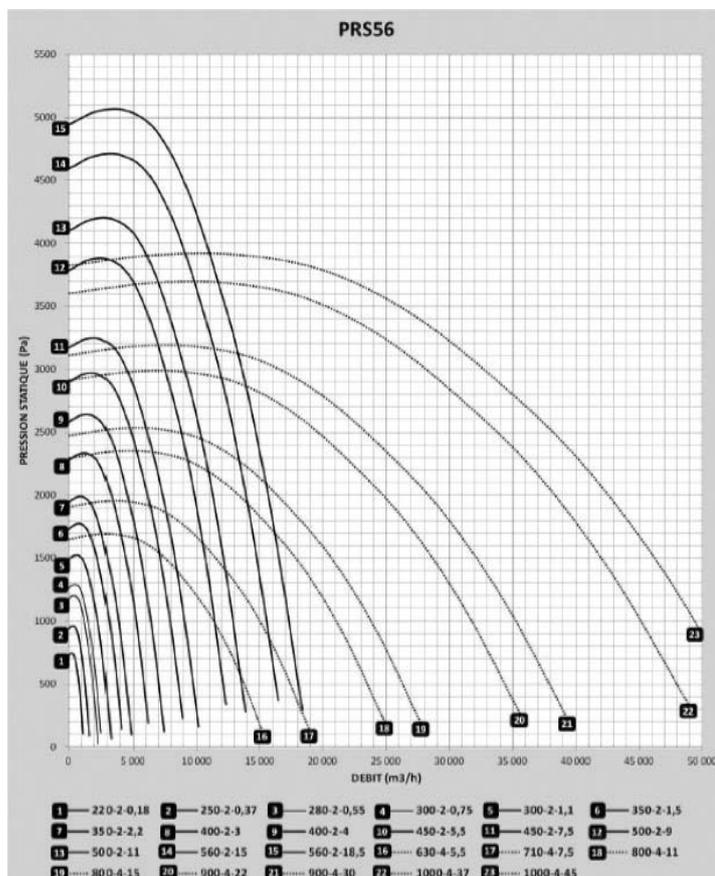
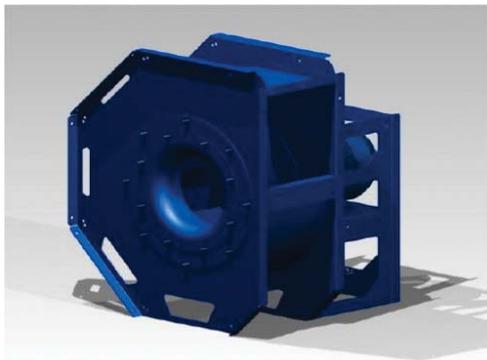
- Volute and frame in painted steel RAL 5015, thickness from 3 to 6 mm.
- Simple turbine in painted steel.
- Jet blades.
- Dynamically balanced turbine.
- Electric motor 230/400 V or 400/690 V, IP55 - IE2.



Description	Reference	Price
PRCU FANS TYPE 220 - Ø 125 mm inlet - 3 Ph - 50 Hz		
PRCU 221 - 0.18 kW - 2800 tr/mn - 230/400 V Noise level 68 dB(A). Weight 110 kg	Contact us	
Complements depending on mounting		
Adaptor D 125 mm fan outlet	Contact us	
Adaptor D 160 mm fan outlet	Contact us	
PRCU FANS TYPE 250 - Ø 160 mm outlet - 3 Ph - 50 Hz		
PRCU 251 - 0.37 kW - 2800 tr/mn-230/400 V Noise level 69dB(A). Weight 110 kg	Contact us	
Complements depending on mounting		
Adjustment fan outlet D 160 mm	Contact us	
Adjustment fan outlet D 200 mm	Contact us	
PRCU FANS TYPE 280 - Ø 200 mm outlet - 3 Ph - 50 Hz		
PRCU 281 - 0.55 kW - 2800 tr/mn-230/400 V Noise level 72dB(A). Weight 110 kg	Contact us	
Complements depending on mounting		
Adjustment D 160 mm fan outlet	Contact us	
Adjustment D 200 mm fan outlet	Contact us	
PRCU FANS TYPE 310 - Ø 200 mm outlet- 3 Ph - 50 Hz		
PRCU 312 - 0.75 kW - 2800 tr/mn - 230/400 V Noise level 75dB(A). Weight 110 kg	Contact us	
PRCU 311 - 1.1 kW - 2800 tr/mn - 230/400 V Noise level 76dB(A). Weight 110 kg	Contact us	
Complements depending on mounting		
Adaptor D 200 mm fan outlet	Contact us	
Adaptor D 250 mm fan outlet	Contact us	
PRCU FANS TYPE 350 - Ø 160 mm outlet - -3 Ph - 50 Hz		
PRCU 352 - 1.5 kW - 2800 tr/mn - 230/400 V Noise level 78dB(A). Weight 110 kg	W000342645	
PRCU 351 - 2.2 kW - 2800 tr/mn - 230/400 V Noise level 89dB(A). Weight 110 kg	Contact us	
Complements depending on mounting		
Adjustment D 250 mm fan outlet	Contact us	
Adjustment D 315 mm fan outlet	Contact us	
PRCU FANS TYPE 400 - Ø 200 mm outlet -3 Ph - 50 Hz		
PRCU 402 - 3 kW - 2800 tr/mn - 230/400 V Noise level 73dB(A). Weight 110 kg	W000342646	
PRCU 401 - 4 kW - 2800 tr/mn - 230/400 V Noise level 74dB(A). Weight 110 kg	Contact us	
Complements depending on mounting		
Adjustment D 250 mm fan outlet	Contact us	
Adjustment D 315 mm fan outlet	W000342664	
PRCU FANS TYPE 450 - Ø 315 mm outlet -3 Ph - 50 Hz		
PRCU 452 - 5.5 kW - 2800 tr/mn - 230/400 V Noise level 76dB(A). Weight 110 kg	W000342648	
PRCU 451 - 7.5 kW - 2800 tr/mn - 230/400 V Noise level 77dB(A). Weight 110 kg	Contact us	
Complements depending on mounting		
Adjustment D 315 mm fan outlet	W000342665	
Adjustment D 400 mm fan outlet	W000342666	



FIXED FANS SERIES PRCU PRS56 (suite)



Description	Reference	Price
PRCU FANS TYPE 500 - Ø 355 mm outlet -3 Ph - 50 Hz		
PRCU 502 - 9 kW - 2800 tr/mn-230/400 V Noise level 80 dB(A). Weight 110 kg	Contact us	
PRCU 501 - 11 kW - 2800 tr/mn-230/400 V Noise level 81 dB(A). Weight 110 kg	W000342649	
PRCU 502 - 9 kW - 2800 tr/mn-400/690 V Noise level 80 dB(A). Weight 110 kg	W000342811	
PRCU 501 - 11 kW - 2800 tr/mn-400/690 V Noise level 81 dB(A). Weight 110 kg	W000342812	

Complements depending on mounting		
Adjustment D 400 mm fan outlet	W000342662	
Adjustment D 450 mm fan outlet	W000342667	
Adjustment D 500 mm fan outlet	W000342668	

PRCU FANS TYPE 560 - Ø 400 mm outlet -3 Ph - 50 Hz		
PRCU 562 - 15 kW - 2800 tr/mn - 230/400 V Noise level 83 dB(A). Weight 110 kg	W000342650	
PRCU 561 - 18.5 kW - 2800 tr/mn - 230/400 V Noise level 84 dB(A). Weight 110 kg	W000342651	
PRCU 562 - 15 kW - 2800 tr/mn - 400/690 V Noise level 83 dB(A). Weight 110 kg	W000342813	
PRCU 561 - 18.5 kW -2800 tr/mn - 400/690 V Noise level 84 dB(A). Weight 110 kg	Contact us	

Complements depending on mounting		
Adjustment D 400 mm fan outlet	W000342669	
Adjustment D 450 mm fan outlet	W000342670	

PRCU FANS TYPE 630 - Ø 450 mm outlet -3 Ph - 50 Hz		
PRCU 631 - 5.5 kW - 1400 tr/mn - 230/400 V Noise level 73 dB(A). Weight 110 kg	Contact us	

Complements depending on mounting		
Adjustment D 400 mm fan outlet	Contact us	
Adjustment D 450 mm fan outlet	Contact us	

PRCU FANS TYPE 710 - Ø 500 mm outlet -3 Ph - 50 Hz		
PRCU 711 - 7.5 kW - 1400 tr/mn - 230/400 V Noise level 74 dB(A). Weight 110 kg	Contact us	
PRCU 711 - 7.5 kW - 1400 tr/mn - 400/690 V Noise level 74 dB(A). Weight 110 kg	Contact us	

Complements depending on mounting		
Adjustment D 500 mm fan outlet	Contact us	
Adjustment D 560 mm fan outlet	Contact us	

PRCU FANS TYPE 800 - Ø 560 mm outlet -3 Ph - 50 Hz		
PRCU 802 - 11 kW - 1400 tr/mn - 230/400 V Noise level 78 dB(A). Weight 110 kg	Contact us	
PRCU 801 - 15 kW - 1400 tr/mn - 230/400 V Noise level 79 dB(A). Weight 110 kg	Contact us	
PRCU 802 - 11 kW - 1400 tr/mn - 400/690 V Noise level 78 dB(A). Weight 110 kg	W000342816	
PRCU 801 - 15 kW -2800 tr/mn - 400/690 V Noise level 79 dB(A). Weight 110 kg	W000342817	

Complements depending on mounting		
Adjustment D 500 mm fan outlet	W000342671	
Adjustment D 560 mm fan outlet	W000342672	

Network fans



FAN FLEXIBLE SLEEVES

Set of 2 flexible sleeves.

Anti-vibration isolation. Duct network connection at the inlet and outlet of the fans.

Polyurethane coated glass fabric wall on the 2 160-wide, 450 450 gr/m² heavy sides.

Provided with 2 adjustable clamps 9 mm large.

Classification with fire M0: 400 °C/2 h.

Operating temperature: - 50 °C à 200 °C

Maximum pressure: 2 000 Pa



Description	Reference	Price
Set of 2 sleeves Ø 80 mm	W000379102	
Set of 2 sleeves Ø10 mm	W000379103	
Set of 2 sleeves Ø125 mm	W000379104	
Set of 2 sleeves Ø160 mm	W000379105	
Set of 2 sleeves Ø 200 mm	W000379106	
Set of 2 sleeves Ø 250 mm	W000379107	
Set of 2 sleeves Ø 315 mm	W000379108	
Set of 2 sleeves Ø 355 mm	W000379109	
Set of 2 sleeves Ø 400 mm	W000379110	
Set of 2 sleeves Ø 450 mm	W000379111	
Set of 2 sleeves Ø 500 mm	W000379112	
Set of 2 sleeves Ø 560 mm	W000379113	
Set of 2 sleeves Ø 630 mm	W000379114	

FAN SOUNDPROOF HOODS

A soundproof hood is intended for internal and external mounting.

It protects completely the fan and is equipped of silencing foam reducing the sound level of the fan 8 dB (A) approximately.

To receive the chosen fan under hood, the following items must be associated:

- 1) the fan together with its silentblocs.
- 2) the soundproof hood 5 faces including the flexible outlet transformation of the fan.
- 3) the frame of the hood to get the self-standing hood.
- 4) the lockable switch provided wired up to the motor.
- 5) the air outlet silencer, screwed on the top of the hood to get its stability.



Description	Reference	Price
2) Soundproof hood with switch:		
For D 350-400, PRCM 350-400-450-500, PRCU 350-400-451	W000342636	
For D 450-500, PRCU 500	W000342637	
For D 560-630, PRCM/PRCR 630, PRCU 560-630	W000342639	
3) Soundproof hood frame		
For D 350-400, PRCM 350-400-450-500, PRCU 350-400-451	W000342867	
For D 450-500, PRCU 500	W000342638	
For D 560-630, PRCM/PRCR 630, PRCU 560-630	W000342640	
5) Fan outlet silencer		
Ø160 mm, PRCM 350	W000342131	
Ø 200 mm length 2m	W000340237	
Ø 250 mm, PRCM 500	W000342137	
Ø 315 mm	W000342142	
Ø 355 mm, D350	W000342424	
Ø 400 mm, PRCM 630, PRCU 560	W000342641	
Ø 450 mm, PRCU 630	W000342642	
Ø 500 mm	W000342643	
Ø 560 mm	W000342428	
Ø 630 mm	W000342644	
Bulb silencer		
Ø 315 mm	W000342429	
Ø 355 mm	W000342430	
Ø 400 mm	W000342431	
Ø 450 mm	W000342432	
Ø 560 mm	W000342433	
Ø 630 mm	W000342434	



LOCKABLE ISOLATION SWITCH

A fan must be equipped with a lockable isolation device placed less than 1 metre far from fan for global CE compliance of the installation.

3-poles switch for direct start, 6-poles for a star-delta start.

Recommended for the installation of:

- Fans placed outside buildings or on height.
- Roof turrets.

The fan is provided with the XXX for cables.



Description	Reference	Price
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Voltage 230 V - Switch 3 poles		
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For single step motor, 3 Ph or frequency converter		
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For power ≤ 6.5 kW	W000377154	
For power ≤ 13 kW	W000377159	
For power ≤ 15 kW	W000377166	
For power ≤ 30 kW	W000377170	
For power ≤ 45 kW	W000377174	
For power ≤ 55 kW	W000377178	

Voltage 400 V - Switch 3 poles		
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For motor, 3 Ph or frequency converter		
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For power ≤ 6.5 kW	W000377156	
For power ≤ 13 kW	W000377160	
For power ≤ 15 kW	W000377167	
For power ≤ 30 kW	W000377171	
For power ≤ 45 kW	W000377175	
For power ≤ 55 kW	W000377179	

Voltage 230/400 V - Switch 6 poles		
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For a star-delta starter with network 230 V		
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For power ≤ 6.5 kW	W000377157	
For power ≤ 13 kW	W000377164	
For power ≤ 15 kW	W000377168	
For power ≤ 30 kW	W000377172	
For power ≤ 45 kW	W000377176	
For power ≤ 55 kW	W000377180	

Voltage 400/690 V - Switch 6 poles		
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For a star-delta starter with network 400 V		
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For power ≤ 6.5 kW	W000377158	
For power ≤ 13 kW	W000377165	
For power ≤ 15 kW	W000377169	
For power ≤ 30 kW	W000377173	
For power ≤ 45 kW	W000377177	
For power ≤ 55 kW	W000377181	

THERMAL-MAGNETIC CIRCUIT BREAKER

A circuit breaker is provided if the line starting is protected.

A thermal-magnetic circuit breaker ensures the start/stop control of the motor and its thermal-magnetic protection.

For CE compliance of the installation, a sectioning and isolating device is required on the line start.

The circuit breaker is equipped with stuffing boxes.



Description	Reference	Price
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Network 230 V - 1 Ph - 50 Hz - Motor direct start		
--	--	--

Motor 0.18 kW	W000342522	
Motor 0.25 kW	W000342522	
Motor 0.37 kW	W000342523	
Motor 0.55 kW	W000342524	
Motor 0.75 kW	W000342525	
Motor 1.1 kW	W000342526	
Motor 1.5 kW	W000342527	

Network 230 V - 3 Ph - 50 Hz - Motor direct start		
--	--	--

Motor 0.18 kW	W000342521	
Motor 0.25 kW	W000342522	
Motor 0.37 kW	W000342522	
Motor 0.55 kW	W000342523	
Motor 0.75 kW	W000342524	
Motor 1.1 kW	W000342526	
Motor 1.5 kW	W000342526	
Motor 2.2 kW	W000342527	
Motor 3.0 kW	W000342527	
Motor 4.0 kW	W000342528	

Network fans



THERMAL-MAGNETIC CIRCUIT BREAKER (suite)



Description	Reference	Price
Network 400 V - 3 Ph - 50 Hz - Motor direct start		
Motor 0.25 kW	W000342521	
Motor 0.37 kW	W000342521	
Motor 0.55 kW	W000342522	
Motor 0.75 kW	W000342522	
Motor 1.1 kW	W000342523	
Motor 1.5 kW	W000342524	
Motor 2.2 kW	W000342525	
Motor 3.0 kW	W000342526	
Motor 4.0 kW	W000342526	
Motor 5.5 kW	W000342527	
Motor 7.5 kW	W000342528	

SECTIONING BOARD

A sectioning cabin is provided if the line starting is not protected

A sectioning cabin ensures global protection of a CE compliant fan.

The box includes:

- a lockable disconnect switch with protection fuses.
- a relay of motor control with thermal-magnetic protection START/STOP controls.
- 5 m cable with section adapted to the motor power.



Description	Reference	Price
Box 230 V - 1 Ph - 50 Hz - Motor direct start		
Motor 0.18 kW	W000342532	
Motor 0.25 kW	W000342540	
Motor 0.37 kW	W000342540	
Motor 0.55 kW	W000342544	
Motor 0.75 kW	W000342551	
Motor 1.1 kW	W000342550	
Motor 1.5 kW	W000342534	

Network 230 V - 3 Ph - 50 Hz - Motor direct start		
Motor 0.18 kW	W000342546	
Motor 0.25 kW	W000342552	
Motor 0.37 kW	W000342532	
Motor 0.55 kW	W000342540	
Motor 0.75 kW	W000342542	
Motor 1.1 kW	W000342544	
Motor 1.5 kW	W000342548	
Motor 2.2 kW	W000342550	
Motor 3.0 kW	W000342534	
Motor 4.0 kW	W000342535	

Network 400 V - 3 Ph - 50 Hz - Motor direct start		
Motor 0.18 kW	W000342547	
Motor 0.25 kW	W000342547	
Motor 0.37 kW	W000342533	
Motor 0.55 kW	W000342541	
Motor 0.75 kW	W000342543	
Motor 1.1 kW	W000342545	
Motor 1.5 kW	W000342549	
Motor 2.2 kW	W000342551	
Motor 3.0 kW	W000342538	
Motor 4.0 kW	W000342539	
Motor 5.5 kW	W000342531	
Motor 7.5 kW	W000342536	



SECTIONING BOARD (suite)



Description	Reference	Price
Box 3 Ph - 50 Hz - Star/delta starter network 230 V		
Motor 4 kW	W000342260	
Motor 5.5 kW	W000342261	
Motor 7.5 kW	W000342262	
Motor 15 kW	W000342263	
Motor 22 kW	W000342264	
Box 3 Ph - 50 Hz - Star/delta starter network 400 V		
Motor 4 kW	W000342257	
Motor 5.5 kW	W000342258	
Motor 7.5 kW	W000342259	
Motor 9 kW	W000342269	
Motor 11W	W000342265	
Motor 15 kW	W000342266	
Moteur 18.5 kW	W000342267	
Motor 30 kW	W000342268	

CONTROLLER

A controller ensures global protection of a CE compliant fan.

It allows:

- the control of fan commissioning in manual or automatic mode by external information (arc detection or shutter).
- delayed shut-down of the fan as regards the external information.

It includes:

- a lockable disconnect switch with general protection fuses.
- a timed relay of motor control with thermal-magnetic protection.
- manual/automatic selector switch.
- a live indicator.
- a timed outlet for the cleaning cycle of a filter.
- all safety information of the automation (CE compliance of the installation).



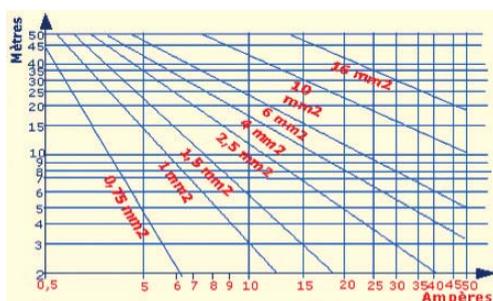
Star-delta starter recommended from 5.5 kW:

- For a 230 V / 3 Ph network: motor 230/400 V,
- For a 400 V / 3 Ph network: motor 400/660 V.

Description	Reference	Price
Box 230 V - 3 Ph - 50 Hz - Direct start		
Motor 3 kW	W000342245	
Motor 4 kW	W000342246	
Motor 5.5 kW	W000342247	
Box 400 V - 3 Ph - 50 Hz - Direct start		
Motor 3 kW	W000342249	
Motor 4 kW	W000342250	
Motor 5.5 kW	W000342251	
Motor 7.5 kW	W000342252	
Box 3 Ph - 50 Hz - Star/delta starter network 230 V		
Motor 5.5W	W000342270	
Motor 7.5 kW	W000342271	
Motor 11 kW	W000342272	
Motor 15 kW	W000342273	
Motor 18.5 kW	W000342274	
Motor 22 kW	W000342275	
Motor 30 kW	W000342276	
Box 3 Ph - 50 Hz - Star/delta starter network 400 V		
Motor 4W	W000342282	
Motor 5.5W	W000342283	
Motor 7.5 kW	W000342284	
Motor 11 kW	W000342277	
Motor 15 kW	W000342278	
Motor 18.5 kW	W000342279	
Motor 22 kW	W000342280	
Motor 30 kW	W000342281	

POWER SUPPLY CABLE

Primary cables
H07RN-F
Standard



Description	Reference	Price
Cable 3 x 1.5 mm ² - maximum current 23 A	W000010098	
Cable 4 x 1.5 mm ² - maximum current 21 A	Contact us	
Cable 4 x 2.5 mm ² - maximum current 29 A	W000010100	
Cable 4 x 4 mm ² - maximum current 38 A	W000010101	
Cable 4 x 6 mm ² - maximum current 50 A	W000010102	
Cable 4 x 10 mm ² - maximum current 68 A	W000010103	
Cable 4 x 16 mm ² - maximum current 92 A	W000010104	

Network fans



SELECTION OF THE MOTOR PROTECTION FUSES

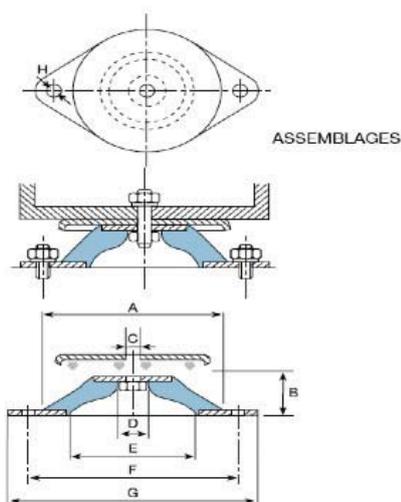


Motor power kW	Primary voltage			Motor power kW	Primary voltage		
	230 V / 3 Ph	400 V / 3 Ph	230 V / 1 Ph		230 V / 3 Ph	400 V / 3 Ph	230 V / 1 Ph
	Amperes				Amperes		
0.18	2	1	2	4	20	12	-
0.25	2	2	4	5.5	25	16	-
0.37	2	2	4	7.5	40	20	-
0.55	6	4	6	9	40	25	-
0.75	6	4	8	11	50	25	-
1.1	8	6	12	15	63	40	-
1.5	10	6	16	18.5	80	40	-
2.2	12	8	-	22	-	63	-
3	16	10	-	30	-	80	-

SELECTION OF THE MOTOR POWER CABLES

Motor power kW	Primary voltage			Motor power kW	Primary voltage		
	230 V / 3 Ph	400 V / 3 Ph	230 V / 1 Ph		230 V / 3 Ph	400 V / 3 Ph	230 V / 1 Ph
	Section in mm ²				Section in mm ²		
0.18	4 x 1.5	4 x 1.5	3 x 1.5	4	4 x 2.5	4 x 1.5	
0.25	4 x 1.5	4 x 1.5	3 x 1.5	5.5	4 x 4	4 x 1.5	
0.37	4 x 1.5	4 x 1.5	3 x 1.5	7.5	4 x 4	4 x 2.5	
0.55	4 x 1.5	4 x 1.5	3 x 1.5	9	4 x 6	4 x 2.5	
0.75	4 x 1.5	4 x 1.5	3 x 1.5	11	4 x 6	4 x 4	
1.1	4 x 1.5	4 x 1.5	3 x 1.5	15	4 x 10	4 x 6	
1.5	4 x 1.5	4 x 1.5	3 x 1.5	18.5	4 x 16	4 x 6	
2.2	4 x 2.5	4 x 1.5		22		4 x 10	
3	4 x 2.5	4 x 1.5		30		4 x 16	

ANTI-VIBRATION PADS



Description	Reference	Price
Set of 4 pads		
Pad BR 60 - load 15 kg for each pad	W000380767	
Pad BR 80 - load 75 kg for each pad	W000380768	
Pad BR 100 - load 90 kg for each pad	W000380769	
Pad BR 150 - load 130 kg for each pad	W000380770	
Pad BR 200 - load 500 kg for each pad	W000380771	

Type	A (mm)	B (mm)	C	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
BR 60	60	24	M-6	14	34	76	95	6.5
BR 80	80	27	M-8	25	65	100	120	8.2
BR 100	100	28	M-10	22	70	124	148	10
BR 150	150	39	M-14	34	115	182	214	12
BR 200	200	44	M-18	35	140	240	280	14.5

Sanitation of the workplaces



ZEPHYR LIQUID CRYSTAL VENTILATED MASK

The power assisted masks **ZEPHYR/FLIP AIR** have been made up to protect welders effectively and comfortably.

They will be the essential complement of the general ventilation of a room, realised through a **PUSH PULL** or **AMBICLEAN** installation or roof turret.

Cells characteristics:

- Light/dark switching time: 0.05 ms.
- Light/dark switching time: 10 positions from 0.1 to 10 s.
- Sensitivity 10 digital adjustment positions.
- Viewing area: 97 x 60 mm.
- 2 Lithium Batteries CR2450 3 Volts.

Characteristics of ventilation:

- Air flow and battery level indicator.
- Audible alarm and vibration if the air flow is insufficient.
- Fireproof belt and strap.
- Belt equipped with a cushion for the back.
- Battery with 8 h autonomy, 4h charge.
- Very easy filter opening.
- 3 types of integrable filters:
 - pre-filter for large dusts,
 - P3 particles filter for dusts,
 - activated carbon filter against odours.



EN 12941 TH2



Description	Reference	Price
ZEPHYR ADVANCE MASK 3200		
- Class 1/1/1/2 with 4 optic sensors - Auto-start function - Welding paint 9 à 13 - Cutting paint 5 à 9 - Grinding function paint 4	W000372466	
ZEPHYR ADVANCE MASK 4500		
- Class 1/1/1/2 with 4 optic sensors becoming magnetic in "X" mode - Auto-start function - Welding paint 9 à 13 - Cutting paint 5 à 9 - Grinding function paint 4 - "Info track" system	W000372468	
FLIP AIRMASK 4500 I		
- Class 1/1/1/2 with 4 optic sensors becoming magnetic in "X" mode - Auto-start function - Welding paint 9 à 13 - Cutting paint 5 à 9 - Grinding function colour 4 - "Info track" system - Front side of the cell can be raised for a light coloured paint grinding	W000372470	

CENTRIFUGAL ROOF TURRETS

Turrets are intended for clean air suction or for suction of air with low content of dusts, and in case of need, for fumes extraction of the premises. All the applications where you need to transport low pressure air at the maximum temperature of 80°C.

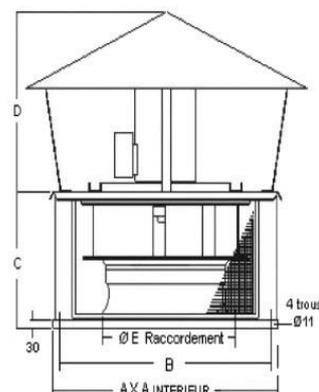
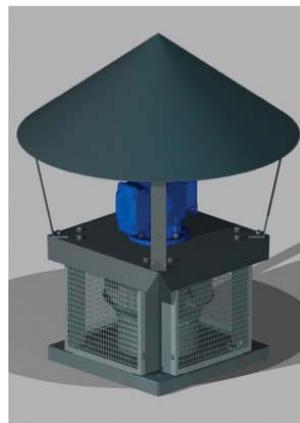
Galvanised steel base plate:

- Galvanised steel jet turbine.
- Galvanised grids at the inlet and outlet.
- Galvanised steel cap.
- Motor class F, IP55, Motor 3 PH, Type B35.

All the turrets are provided with the lockable sectioning switch network 400 V



Upon request, 2-speed turrets and ATEX turrets



Connection plate mm - Ø
TRC 280: 500 x 500 - 315 mm
TRC 315: 500 x 500 - 315 mm
TRC 355: 500 x 500 - 315 mm
TRC 400: 560 x 560 - 355 mm
TRC 450: 560 x 560 - 400 mm
TRC 500: 600 x 600 - 450 mm
TRC 560: 700 x 700 - 500 mm
TRC 630: 800 x 800 - 560 mm
TRC 710: 950 x 950 - 630 mm
TRC 800: 950 x 950 - 710 mm
TRC 900: 1 150 x 1 150 - 800 mm

Description	Reference	Price
6 poles motor, 1000 tr/mn, 230/400 V, 3 Ph, 50 Hz		
TCR280-0.18 kW 700 m³/h-60 Pa-52 dB(A)	W000380724	
TCR315-0.18 kW 1 100 m³/h-60 Pa-55 dB(A)	W000380725	
TCR355-0.18 kW 1 700 m³/h-60 Pa-59 dB(A)	W000380726	
TCR400-0.18 kW 2 700 m³/h-60 Pa-63 dB(A)	W000380727	
TCR450-0.37 kW 3 500 m³/h-100 Pa-66 dB(A)	W000380728	
TCR500-0.37 kW 5 000 m³/h-100 Pa-70 dB(A)	W000380729	
TCR560-0.75 kW 7 400 m³/h-100 Pa-73 dB(A)	W000380730	
TCR630-1.5 kW 10 700 m³/h-100 Pa-76 dB(A)	W000380731	
TCR710-2.2 kW 11 000 m³/h-100 Pa-80 dB(A)	W000380732	
TCR800-4 kW 16 200 m³/h-100 Pa-84 dB(A)	W000380734	
TCR900-7.5 kW 24 000 m³/h-100 Pa-88 dB(A)	W000380749	
4 poles motor, 1450 tr/mn, 230/400 V, 3 Ph, 50 Hz		
TCR280-0.25 kW 1 100 m³/h-120 Pa-61 dB(A)	W000380737	
TCR315-0.25 kW 1 750 m³/h-120 Pa-64 dB(A)	W000380738	
TCR355-0.25 kW 2 700 m³/h-120 Pa-68 dB(A)	W000380739	
TCR400-0.37 kW 4 200 m³/h-120 Pa-72 dB(A)	W000380740	
TCR450-0.75 kW 5 500 m³/h-200 Pa-75 dB(A)	W000380742	
TCR500-1.5 kW 8 000 m³/h-200 Pa-79 dB(A)	W000380743	
TCR560-2.2 kW 11 200 m³/h-200 Pa-82 dB(A)	W000380744	
TCR630-4 kW 16200 m³/h-200 Pa-85 dB(A)	W000380745	
8 poles motor, 720 tr/mn, 230/400 V, 3 Ph, 50 Hz		
TCR710-1.1 kW 10 000 m³/h-150 Pa-74 dB(A)	W000380746	
TCR800-2.2 kW 15 200 m³/h-150 Pa-78 dB(A)	W000380747	
TCR900-4 kW 23 000 m³/h-150 Pa-82 dB(A)	W000380748	

Sanitation of the workplaces



- In addition to the respect of occupational exposure limits as regards the concentration of welding fumes within the respiratory tract of the welder, attention must be directed on the general concentration present in the workshops.
- The European trend recommend a medium concentration of 1 mg/m³ within 8 hours (this occupational exposure limit is now 5 mg/m³ in France and 3 mg/m³ in northern countries).
- In order to give a liable, efficient and affordable answer, ALW has implemented a sanitation solution of the environments of the working areas through a general filtration of the air PUSH PULL and AMBICLEAN type.
- In case of PUSH PULL and AMBICLEAN installation, we recommend a new air supply of 20 to 30% of the required flow for the installations, this flow being necessary in welding for the dilution of the gases, that can not be treated through filtration.

CENTRIFUGAL ROOF TURRETS

Principle of the PUSH-PULL:

In a working area, the fumes cloud stagnate generally in the workshops at a height of 4 to 6 m.

The **PUSH-PULL** system is composed by a duct network equipped with grids including two parts:

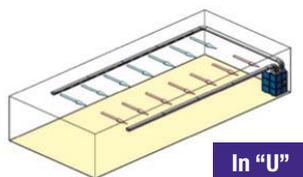
- the blowing part,
- the suction part.

(the blowing duct pushes the cloud towards the suction duct, a highly efficient filter equipped with a regulated flow fan filters the particles of the cloud and releases a filtered and clean air in the blowing duct).

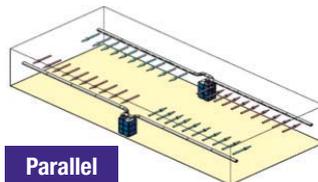
Characteristics of the PUSH-PULL filters:

- Filtration through highly efficient POLYESTER cartridges membrane PTFE with a filtration unitary surface of 10 m² (unfolded cartridges) H13. The POLYESTER membrane PTFE ensures a filtration of more than 99.996% for particles of 1 μ (class H13 ou W3).
- Flow of the blowing air regulated through a frequency converter, compensating the possible dirt of the filtration cartridges.
- Automatic cleaning system of the cartridges through pre-set threshold.
- Cartridges saturation alarm.
- Control cabinet CE with programming clock.
- Compressed air regulator filter normally provided (air network required: 4.5 bars, dry oil-free air).
- Compact filtration set for rapid mounting.
- Dusts recovery in a drum placed under the filter.
- Long-life cartridges.
- Back flow shutter at the air inlet prevented dusts to go back to the suction duct during OFF LINE cleaning of the cartridges.
- Orange light column flash image of the alarm of the filter placed on the upper part of the filter.

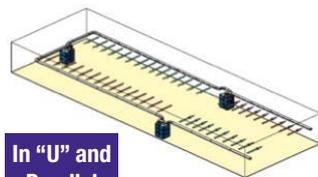
Different configurations possible of the PUSH-PULL installations



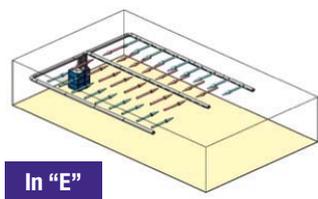
In "U"



Parallel

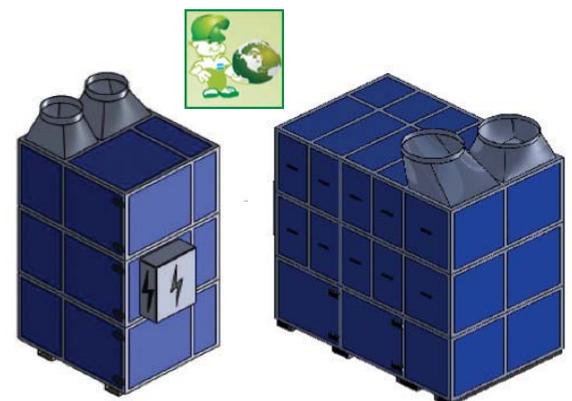


In "U" and Parallel



In "E"

Description	Reference	Price
Filter PUSH-PULL ICP4 - 4 500 m³/h - 4 cartridges - Ø E/S 315 mm		
Inlet/outlet right side version	W000372361	
Inlet/outlet left side version	W000372360	
Filter PUSH-PULL ICP6 - 6 500 m³/h - 6 cartridges - Ø E/S 450 mm		
Inlet/outlet right side version	W000372359	
Inlet/outlet left side version	W000372358	
Filter PUSH-PULL ICP8 - 8 500 m³/h - 8 cartridges - Ø E/S 450 mm		
Inlet/outlet right side version	W000372357	
Inlet/outlet left side version	W000372356	
Filter PUSH-PULL ICP10 - 11 000 m³/h - 10 cartridges - Ø E/S 500 mm		
Inlet/outlet right side version	W000372355	
Inlet/outlet left side version	W000372354	
Filter PUSH-PULL ICP12 - 13 000 m³/h - 12 cartridges - Ø E/S 560 mm		
Inlet/outlet right side version	W000372353	
Inlet/outlet left side version	W000372352	
Filter PUSH-PULL ICP16 - 17 000 m³/h - 16 cartridges - Ø E/S 630 mm		
Inlet/outlet right side version	W000372351	
Inlet/outlet left side version	W000372350	



Spare parts		
Filtration cartridges PTFE membrane	W000379657	

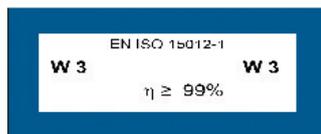
Note: In welding we recommend a new air supply of 20 to 30% of the volume treated by the PUSH PULL installation selected. The flow avoids a welding gases concentration that are not filtered.



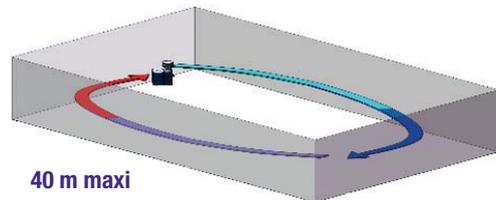
AMBICLEAN W3

- Compact unity movable by slinging or forklift, since the blowing head is disassembled.
- Fan 400 V – 3 Ph – 50 Hz placed on the filter base for an improved stability.
- Side air inlet of big surface with grids.
- Spark arrestor metal pre-filters and non return dampers integrated for the cleaning phase OFF-LINE.
- Filtration through cartridges with a surface of 10 m² unitary (unfolded cartridges) of HEPA H13 filtration class, filtration of more than 99.996% for particles of 0.1 μ.
- Programming clock of starting and automatic stop of the AMBICLEAN filter.
- Type of filtration media: polyester with membrane PTFE (W3).
- Constant flow of the blowing air regulated through a probe and a frequency converter.
- Automatic cleaning sequencer of the cartridges through pre-set threshold or at selected hours.
- Sound and light alarm of saturation of the cartridges.
- Control cabinet CE.
- Compressed air regulator filter normally provided (air network required: 5 bars, dry oil-free air).
- Dusts recovery in a drum placed under the filter.
- Replacement of the cartridges through 2 doors on dusts side (cartridges lifespan: 2 years minimum).
- Orange light column flash image of the alarm of the filter placed on the upper part of the filter.

All "AMBICLEAN" filters are en 15012-1 "w3" certified by the IFA laboratory



Description	Reference	Price
Filter AMBICLEAN 8000 W3 - 8 000 m³/h - 8 cartridges		
Adjustable flow rate from 5 000 to 9 000 m ³ /h, motor 7.5 kW Fan maximum flow 12 500 m ³ /h	W000276013	
Filter AMBICLEAN 12000 W3 - 12 000 m³/h - 12 cartridges		
Adjustable flow rate from 6 000 to 13 000 m ³ /h, motor 15 kW Fan maximum flow 15 500 m ³ /h	W000276678	
Filter AMBICLEAN 16000 W3 - 16 000 m³/h - 16 cartridges		
Adjustable flow rate from 8 000 to 18 000 m ³ /h, motor 18.5 kW Fan maximum flow 21 000 m ³ /h	W000377471	
Spare parts		
Spare pre-filter	W000373569	
Filtration cartridges PTFE membrane	W000379657	



An **AMBICLEAN** filtration unit moves the air volume of a working area or of a complete premise thanks to its blowing nozzles. The nozzles create a rotating movement of the air and push the fumes towards the suction grids of the **AMBICLEAN**. This air is then filtered through the filtration cartridges and goes out from the blowing nozzles. The air of the working area is thus sanitised without energy losses. This fuel and air mixing homogenises also temperature during the heating periods, thus the hot air does not stagnate unnecessarily in the premise frame. In welding we recommend a new air supply of 20 to 30% of the volume treated by the **AMBICLEAN** installation. The flow avoids a concentration of the welding gases that are not filtered.

AMBICLEAN ESSENTIAL 5000

Characteristics:

- Fan 3 kW - 400 V - 3 Ph - 50 Hz.
 - 4-poles Motor.
 - Fan flow rate capacity 5 000 m³/h under 800 Pa.
 - Big side air inlets with grids.
 - Total filtration of 84 m² ensured by 2 filtration cassettes with a unitary filtration surface of 42 m², class HEPA H13.
 - Filtration media type: fiberglass cellulose.
 - Programming clock of starting and automatic stop of the AMBICLEAN ESSENTIAL filter.
 - Flow of the blowing air regulated through a frequency converter.
 - Sound and light alarm of saturation of the HEPA filters.
 - Control cabinet CE provided with a 5m long cable.
- The AMBICLEAN 5000 is provided mounted and it is delivered with its wall support.



Description	Reference	Price
Filter AMBICLEAN 5 000 W3 - 5 000 m³/h - 2 filtration cartridges 42 m²		
Adjustable flow rate from 2 000 to 5 000 m ³ /h	W000373567	
Spare parts		
Filtration cartridge 42 m ² H13	W000373568	

In welding we recommend a new air supply of 20 to 30% of the volume treated by the **AMBICLEAN** installation. The flow avoids a concentration of the welding gases that are not filtered.



Sanitation of the workplaces



WALL HELICAL FANS

USE:

This helical fans are designed to ensure extraction or blowing of clean air ou with low levels of dusts.

Generally mounted in wall duct, they ensure important flows with reduced size.

All fans are equipped with single phase motor.

They are equipped with a propeller protection grid, at the air inlet, as an option, grid on the propeller side if the fan is accessible from the ground.

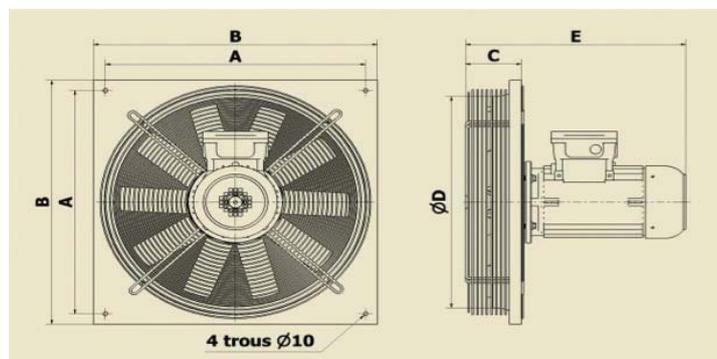
They are provided with:

- a single phase speed converter with start/stop function and thermal-magnetic protection of the motor.
- a grid with windows to be placed outside the building, blowing direction towards outside.

Normally, fans are fixed on a wall.

For mounting on simple skin cladding, they will be completed with a frame for EVXP for their association with their windows flaps.

The frame deviates the fan from the cladding and counterbalance the thickness of the grid on the propeller side.



Description	Reference	Price
EVXP 355-4 - 0.18 kW - 230 V 1 Ph Flow 0 to 1 500 m ³ H Provided with converter and damper 500 x 500	W000380698	
EVXP 400-4 - 0.25 kW - 230 V 1 Ph Flow 0 to 2 400 m ³ H Provided with converter and damper 500 x 500	W000380699	
EVXP 450-4 - 0.37 kW - 230 V 1 Ph Flow 0 to 3 600 m ³ H Provided with converter and damper 600 x 600	W000380700	
EVXP 500-4 - 1.1 kW - 230 V 1 Ph Flow 0 to 5 400 m ³ H Provided with converter and damper 600 x 600	W000380701	
EVXP 560-4 - 1.5+kW - 230 V 1 Ph Flow 0 to 6 500 m ³ H Provided with converter and damper 700 x 700	W000380702	

Complement frame for thin cladding		
Frame for EVXP 355	W000380703	
Frame for EVXP 400	W000380704	
Frame for EVXP 450	W000380705	
Frame for EVXP 500	W000380706	
Frame for EVXP 560	W000380707	

Complément coté hélice (si ventilateur accessible du sol)		
Grid EVXP 355	W000380708	
Grid EVXP 400	W000380709	
Grid EVXP 450	W000380710	
Grid EVXP 500	W000380711	
Grid EVXP 560	W000380712	

Complement window flap for air re-introduction		
Dimensions 500 x 500 mm	W000380713	
Dimensions 600 x 600 mm	W000380714	
Dimensions 700 x 700 mm	W000380715	

EVXP	A	B	C	Ø D	E Maxi
355	400	450	86	365	354
400	450	500	121	420	389
450	500	550	146	470	394
500	550	600	131	520	396
560	630	680	141	570	467



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