

Exhaust/Fume
Extraction &
Filtration Systems
Catalogue

JSG Industrial Systems
quality industry solutions

Lubrication
Management
Systems

Material
Dispensing
Management
Systems

Hose & Cable
Management
Systems

Diesel & Fluid
Management
Systems

Fire
Suppression
Systems

Onboard
Weighing
Systems

Exhaust / Fume
Extraction &
Filtration
Systems

General
Lubrication
& Workshop
Equipment



Since its establishment in 1989, FILCAR S.p.A has become an industry leader in the design and development of industrial extraction and filtration systems.

FILCAR has built an enviable reputation through product development designed to specifically address today's growing demands associated with occupational health and safety requirements and the need to provide a safe working environment in industrial, workshop, garage and welding environments.

FILCAR continues to provide quality solutions to safer working environments and has a demonstrable commitment to quality control, maintaining ISO 9001 certification.

JSG Industrial Systems

A significant consideration for any operation today is the downtime and operational costs associated with maintenance practices, growing OH&S demands and the provision of a safe working environment for all employees.

When looking at the operation or workplace, OH&S items to consider are:

- Duty of care for employees
- Provision of a healthy and safe working environment for employees, contractors and visitors
- Insurance and compensation costs

JSG Industrial Systems can assist in controlling these costs through the supply and support of a comprehensive range of fume and exhaust extraction and filtration products designed to specifically address OH&S requirements by safely removing fumes and particles from workplace operations and recycling clean air back into the environment.

The range of products on offer suits the extraction and filtration of vehicle (motor cycle through to large commercial and mining vehicles) exhaust, welding fumes, oil mist, sanding and grinding dust, plasma cutting fumes and trimming and grinding particles. These products are available in a range of configurations including portable, mobile and stationary welding and extraction units, welding benches, hose reels, sliding track systems, exhausters and simple extraction systems.

With a comprehensive range of accessories and options available, the JSG Industrial Systems fume and exhaust extraction and filtration products provide a necessary response to a safer working environment.

Partnered with some of the industry's most trusted and respected brand names, JSG Industrial Systems is also able to provide customized services and solutions for virtually any equipment or workshop requirement, and can provide comprehensive service and support backup for all products through its network of distributors and system houses.

JSG Industrial Systems: Contributing to a Safer Workplace.



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Filcar Fume & Filtration Range - Mobile Units

<p>ECOMINOR</p>		<p>Time to time welding fumes extraction and filtration unit with pocket filters and active carbons. Air flow 1400 m³/h duration 600-800 working hours. 1,5 HP fan.</p>
<p>MINOR</p>		<p>Middle range welding fume extraction and filtration unit with pocket filters and active carbons. Air flow 1300 m³/h, duration 800 working hours, 1,5 HP fan. Larger filtering surface</p>
<p>MASTER</p>		<p>Intense welding fume extraction and filtration unit with pocket filters an active carbons. Air flow 1500 m³/h, duration 800 working hours, 3 HP fan.</p>
<p>MASTER-2BR</p>		<p>Heavy duty welding fume extraction and filtration unit with pocket filters an active carbons. Air flow 2500 m³/h, duration 800 working hours, 3 HP fan, 2 arms Ø 150 mm.</p>
<p>MASTER-200</p>		<p>Heavy duty welding fume extraction and filtration unit with pocket filters an active carbons. Air flow 2500 m³/h, duration 800 working hours, 3 HP fan, arm Ø 200 mm.</p>




The filters included in the above mentioned units have to be manually sprayed with compressed air every week.

Filcar Fume & Filtration Range - Mobile Units

<p>MINIJET</p>		<p>Extracting and filtering machine with cartridge filter and semi-automatic filter cleaning for smokes with small quantity of dust. Air flow 1300 m³/h, duration 2 years, 2 HP fan. 10 m² filtering surface.</p>
<p>MASTERJET</p>		<p>Extracting and filtering machine with cartridge filter and semi-automatic filter cleaning for smokes with medium quantity of dust. Air flow 1500 m³/h, duration 2 years, 3 HP fan. 17 m² filtering surface.</p>
<p>MASTERJET-2BR</p>		<p>Extracting and filtering machine with cartridge filter and semi-automatic filter cleaning for smokes with high quantity of dust. Air flow 2400 m³/h, duration 2 years, 3 HP fan; 17 m² filtering surface; 2 arms Ø 150 mm.</p>
<p>MASTERJET-200</p>		<p>Extracting and filtering machine with cartridge filter and semi-automatic filter cleaning for smokes with high quantity of dust. Air flow 2500 m³/h, duration 2 years, 3 HP fan; 17 m² filtering surface; 1 arm Ø 200 mm.</p>

Suitable for intensive welding fume extraction or for application in which metallic dust is floating in the smoke. Owing to the cartridge filter and the possibility to clean it by means of compressed air, the duration of the filter is very long.




Filcar Fume & Filtration Range - Mobile Units

<p>MINOR ELETTROSTATICO</p>		<p>Extracting and filtering mobile unit for welding fumes and light oil mists. Air flow 1400 m³/h, washable filter with no limit duration; 1 arm Ø 150 mm. 1 hp fan. Charcoal filter included.</p>
<p>MASTER ELETTROSTATICO</p>		<p>Extracting and filtering mobile unit for welding fumes and oil mists. Air flow 1500 m³/h, washable filter with no limit duration; 1 arm Ø 150 mm. 2 hp fan. Charcoal filter included.</p>
<p>MASTER ELETTROSTATICO 2BR</p>		<p>Extracting and filtering mobile unit for welding fumes and oil mists. Air flow 2300 m³/h, washable filter with no limit duration; 2 arms Ø 150 mm. 3 hp fan. Charcoal filter included.</p>

Electrostatic filters are suggested when the maintenance costs have to be reduced at the lowest possible level. The infinite duration of the filter and the big air flow is a guarantee for good extraction and low costs. Only the active charcoal filter has to be changed after approximately 1000 working hours.

<p>MINI 90</p>		<p>Stain and light welding (electronic cards) small pieces, reduced smoke production welding processes. Cartridge filter and active carbons with an approximate duration of 600 working hours.</p>
<p>SINCROMAX</p>		<p>Laboratories applications producing smokes and light dusts. With arm or flexible hose for closer positioning to the working area. Metallic and polyester filters with manual cleaning.</p>





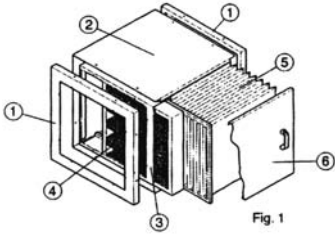
Filcar Fume & Filtration Range - Fixed Units

<p>TECHNO</p>		<p>Self supporting articulated arm with external supporting structure and diameter 150 mm. Length: 2 - 3 - 4 mts. (up to 9 mts. with the prolongations). Its special structure allows a very good and smooth air flow. Max air flow 1.400 m³/h.</p>
<p>TECHNOFLEX</p>		<p>Self supporting articulated arm with internal supporting structure and diameter 160 mm. Length: 2 - 3 - 4 mts. (up to 9 mts. with the prolongations). Its special structure allows a very flexible movement. Max air flow 1.200 m³/h.</p>
<p>DUSTY</p>		<p>Self supporting articulated arm with external supporting structure available in the diameters 100 and 200 mm. Max air flow 650 m³/h (Ø 100 mm) small applications Max air flow 2500 m³/h (Ø 200 mm) heavy duty applications.</p>

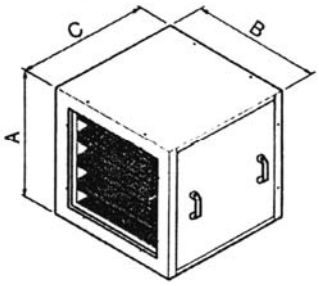
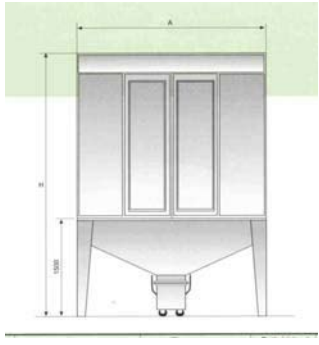


Techno is the only arm already provided with wall fixing bracket suitable for a rotation of max 200°. Technoflex and Dusty are already provided with 360° rotating flanges but need an additional bracket (SPB) for wall installation.

<p>CSZB SLIDE CARRIAGE</p>		<p>The carriage CSZB has been designed for the arm for the extraction of welding fumes. This system allows to merge the possibility of the arm to rotate 360° with a carriage to slide along the tracks and therefore serve several bays.</p>
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Filcar Fume & Filtration Range - Fixed Units





<p>OILGAMM</p>		<p>Fix machine suitable for mechanical industry: multiple machining lathes, threading machines, gear cutting machines, grinding machines, cold compressing machines,... Air flow from 1.315 m³/h to 3.600 m³/h. Efficiency filtration: 99,99%. Available in versions with HP 1, 2 or 4. with arm or for centralized applications.</p>
<p>STARBOX</p>		<p>Double cartridge filtering machine with 1,5 hp fan included and active charcoal panels on the sides. Suitable for being connected to one articulated arm 150 mm diameter.</p>
<p>GENIUS</p>		<p>Fix machine for welding fumes extraction and filtration as well as from plasma cutting machines, chemical fumes and light wood dusts. Filtration efficiency 99,99%. GENIUS 3: 3.500 m³/h, kw 3, 59 m2 GENIUS 4: 4.500 m³/h, kw 4, 88 m2 GENIUS P: 3.500 m³/h, kw 3, 88 m2</p>
<p>STARFILTER</p>		<p>Fix pocket filter with 4 different filtration steps. Metal fire filter, synthetic pre-filter, main polyester filter, active charcoal filter; Suitable for welding fumes only. Available in the versions for 2000 m³/h or 4000 m³/h.</p>
<p>FILTER</p>		<p>Fix pocket filter with synthetic pre-filter and polyester pocket filter. Modular installation system in boxes 700 mm x 700 mm x 700 mm. every box is suitable for 1400 m³/h.</p>

Filcar Fume & Filtration Range - Fixed Units




<p>CARBON</p>		<p>Active charcoal filter in similar box as FILTER to which can be combined.</p>
<p>FILTERJET</p>		<p>Cartridge filter with automatic cleaning by compressed air. Suitable for big volumes of dusts and smokes.</p>
<p>BS</p>		<p>Welding bench without filter and motor.</p>
<p>BSA</p>		<p>Welding bench without filter but with motor.</p>
<p>BSD</p>		<p>Welding bench without filter and fan but with arm. Suitable for centralised applications.</p>
<p>BSDA</p>		<p>Welding bench without filter but with motor and arm. Suitable for single application.</p>

Benches with filters are also available and the information are included in the price list.

Filcar Exhaust Extraction Range - Fixed Units

<p>REELS</p>		<p>Spring or electric motor driven exhaust extraction reels for different hose diameters and lengths. With optional automatic start-up device and safety stop.</p>
<p>SLIDING SYSTEMS</p>		<p>Modular extraction system composed by aluminium channels with sliding reels or carriages with hoses and nozzles suitable for use with the full range of Filcar hose reels and carriages.</p>
<p>EXHAUSTERS</p>		<p>Three different electro-exhausters studied for the extraction of the vehicles' exhausts gases ranging from 350w to 2200w three phase single motors with air flows from 450 m³/h to 2400 m³/h</p>
<p>SIMPLE EXTRACTION SYSTEMS</p>		<p>Easy and convenient extraction systems ready to be mounted at the wall. Possible versions with single or twin hose. Comes in Argon model and the economy range Eco Argon.</p>

<p>TROTTER MOBILE UNITS</p>		<p>To reduce the presence of harmful gases during testing it is necessary to use Trotters for aspirating the car gas exhausts. Practical because it is trolley mounted and therefore can be positioned anywhere. The trotter is complete with AL series spark proof exhauster, nozzle and adjustment bar.</p>
<p>EUROGAS EXHAUST HOSE</p>		<p>Crush proof nylon coil black reinforced hose for max temp of 180°C. Suitable for fitting on reels and ducts. Recommended for its great flexibility, lightness and resistance. Available from 75mm to 200mm diameter.</p>
<p>FIREGAS EXHAUST HOSE</p>		<p>Aluminised glass fabric flexible hose incorporating high tensile steel helix sewn externally. Silver grey with black scuff strip max temp of 400°C for Firegas 4 and 1000°C for Firegas 1. Not crush proof. Available from 100mm to 200mm diameter.</p>
<p>ALLUFLEX</p>		<p>Seamed aluminium flexible hose, fire proof, max temp 300°C 1 metre length extends to 3 metre length. Available from 100mm to 200mm diameter.</p>
<p>NOZZLES</p>		<p>A full range of nozzles available covering various single basic rubber nozzles, twin rubber nozzles, nozzles with manual grippers and locking grippers to stainless steel nozzles with and without cut offs and nozzles for exhaust stacks.</p>

<p>ARTICULATED ARMS</p>		<p>5, 6, 7 meters long articulated arms equipped with multifunction service unit for the supply of energy, compressed air and inlets for dust extraction.</p>
<p>SLIDING SYSTEMS</p>		<p>Modular sliding systems with vertical or horizontal movement equipped with different possible service units.</p>
<p>SERVICE UNITS</p>		<p>The service units are designed for the distribution of different forms of energy and therefore suitable in areas where people need to use electricity, compressed air and dust suction inlets by means of multi task equipment that offers reliability and functionality. Available in wall mount and suspension for articulated arms and sliding systems.</p>



Mobile Extraction Units

Trolley mounted extraction units with cartridge filters and high vacuum capacity.


<p>ZIPPY</p>		<p>The "Zippy" mobile dust extraction unit features units with one and two extraction units 1300 watt each giving flow rates up to 360 m³/h (660L/min). Inlet for pressmatic tool, cartridge filter, filter bag for dust collection.</p>
<p>SPRINT</p>		<p>The "Sprint" is a mobile unit with work surface suitable for dust and small rubble. Control can be from tool. Has self cleaning filter. Suitable where fixed extraction systems can be installed or where work areas not restricted. Extraction motor 2000 watt air flow 340 m³/h. Can be used in a central system.</p>
<p>GINGO</p>		<p>The "Gingo" is a mobile unit designed purely for dry dust. Lateral channel blowers makes units extremely sturdy, little maintenance and low noise. Machine able to perform effective dust filtration procedure thanks to the cartridge filter supplied with a new and completely automatic electromechanical cleaning mechanism. The machine operates through an electronic control card setting the running parameters and signalling any future failure. Extraction motor 1500 w, airflow 200m³/h. Can be used in a central system.</p>

Turbine Stationary Units

From 2Hp to 10 Hp high performance turbines with cartridge filter and full automatic double cleaning system for dust extraction and filtration.

<p>FUNNY</p>		<p>The "Funny" is the latest in technology of dust collection technology. They are more reliable and effective than conventional vacuum cleaners with electromotor and paper cartridges that are still widely used. The high dust filtering efficiency is guaranteed by their antistatic, aluminium coated polyester cartridge filters. They are cleaned by an automatic system with high frequency mechanical vibrator suction taking place by a turbine based on working principles of lateral channel blower with electric induction motor making the unit noiseless. Models vary from 1500 to 3000W and flow rates from 200 to 310 m³/h. Available as fix bench or mobile units.</p>
<p>ASPIRCAR</p>		<p>The "Aspircar" is designed to extract and filtrate dry dusts. The cartridge filter, provided with completely automatic and innovative mechanical - pneumatic double effect cleaner and system assures a high dust filtration efficiency. The machine is controlled by an electric card which is possible to have the functioning parameters set and any possible electric breakdown signalled. Models vary from 2200W to 7500W extraction motors with airflow ranging from 310m³/h to 670m³/h.</p>

Spray Booths

<p>MINI SPRAY/1</p>		<p>Spray Booth suitable for painting small pieces. Fitted with a sirocco impeller coupled with a HP 0,75-400V three-phase induction electric engine and revolving part holder. Dimensions: 1 x 1 mt.</p>
<p>ECO SPRAY/3</p>		<p>Spray Booth suitable for painting big pieces. Fitted with a backward inclined fan coupled with a HP 4-400V three-phase induction electric engine. Dimensions: 3 x 4mt.</p>

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