



# MP

ENVIRONNEMENT®

## CLEAN POWER

ELECTRIC SWEEPERS  
Ultra-compact

ELECTRIC VACUUM  
CLEANERS  
Ride-on/self-propelled

LEAF  
VACUUMS

# MP

ENVIRONNEMENT®

MP Environnement is based in France, but 40% of its business is exported to: Algeria, Andorra, Argentina, Australia, Austria, Belgium, Brazil, Canada, Colombia, Croatia, Cyprus, Denmark, Egypt, Finland, Germany, Greece, Ireland, Israel, Italy, Kuwait, Latvia, Lebanon, Luxembourg, Mexico, Morocco, New Zealand, Norway, Oman, Poland, Portugal, Quebec, South Africa, Spain, Switzerland, Turkey and the United States.



# Let's move forward **together!**



Ultra-compact, all-electric, and with unrivalled power for their size, our mini-urban and industrial cleaning vehicles are used by more than 5,000 local authorities and companies throughout the world.

Since its creation in 1978, MP Environnement has never deviated from its line of conduct. We offer the best equipment on the market, ensuring it is practical, robust and ergonomic.

Design and manufacture are carried out exclusively in France. MP Environnement is a leader in its highly specialised segment, inventor of the first waste vacuum cleaner, which was awarded the ARTINOV innovation prize.

MP Environnement is a family-run, agile and reactive SME, listening to users and decision-makers, and cultivating a process of continuous improvement that enables it to always be one step ahead technologically and to offer incomparable value for money.

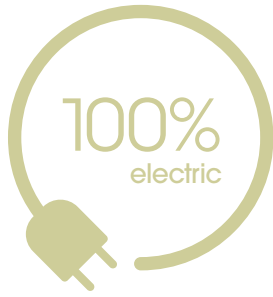
Whether for demonstrations, training, maintenance or technical assistance, our teams are at your service to move forward together!

**Mathieu Bouiller - CEO**

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NEW  
INNOVATION FOR  
2021





# VORAX ADVANCED

The most powerful and compact electric mini-sweeper on the market.

Minimum size with maximum power. The VORAX Advanced can be used wherever conventional sweepers are difficult to operate. Its ultra-compact size and its power takes the burden off cleaning teams by reducing the tedious and unhygienic tasks that are usually done on foot due to traffic constraints, in confined conditions or public spaces. It is an ideal solution for markets, tourist areas, railway stations, warehouses and workshops.

## Multifunction

In addition to its main function as a sweeper, the Advanced has all the features and options of the VORAX range, including ergonomic suction nozzles, a dog waste cleaning kit and numerous accessories.

**ULTRA  
COMPACT**

Width	0,8 m
Height	1,5 m
Length	2,2 m

## Retractable brushes

To enable the sweeper to go through narrow passageways, the brushes can be folded away under the chassis in seconds. They are just as easy to redeploy. The VORAX Advanced easily fits through the width of a standard door (80 cm).



# VORAX SERIES

## EXCLUSIVE: ERGONOMIC AND SAFE MANOEUVRING

Ambidextrous drawbar allowing manoeuvring in self-mounted or self-propelled position. Electronic dead man's handle and anti-crush system on the drawbar head, automatic retraction in case of use.

## CONTROLS

Dashboard with LCD display, hour meter, discharge indicator, speed, emergency stop and 80% turbine cut-off to ensure return to the depot.

## STABILITY

Thanks to its low centre of gravity, the VORAX is impossible to tip over. The twin wheels further increase stability and make it easy to climb kerbs.

## WINDSCREEN

Protection against sun, rain and wind. Anti-scratch and anti-UV treated polycarbonate.

## BOOSTER SUCTION

Easy-to-handle hose with a  $\varnothing 125$  mm nozzle.



With three speeds (from 0 to 3, from 0 to 6 or from 0 to 10 km/h) the VORAX is classified as a «special machine» which allows it to be used on the road without a licence.

## SWEEPING

The sweeping arms are fitted with ultra-resistant polypropylene brushes and can be retracted under the chassis.

### BULKY ITEMS

Hatch with direct access to the container for voluminous waste. Secure opening without stopping the suction.

### SAFETY AND VISIBILITY

360° flashing light, reflective strips. Reversing beeper. Optional: LED headlights front and rear for night driving.

# 5000 WATTS

The VORAX has unparalleled suction power, thanks to its exclusive motor and turbine.



### WASTE

240 litre container with automatic filter cleaning system for maximum performance at all times. Filling level control, humidification system and automatic fire extinguisher. A 1kg CE/ NF certified fire extinguisher is also supplied as standard.

### DOG EXCREMENT

A hatch gives access to the washing kit which has a 30 litre tank, a 2.5 bar pump and an 8 metre spiral hose.

### STORAGE

Lockable hatch with access to a storage area for personal belongings.

### ACCESSORIES

Shovel and broom bracket.

## Self-cleaning filter

Exclusive and patented technology from MP Environnement, the F9 filter (30 m<sup>2</sup> filtration surface) is combined with a system that includes an electric shaker and sprayer that makes the dust sink and prevents it from rising in the filter. No more daily cleaning, as once a month is more than enough to maintain full performance.

## PERFORMANCE

Improve the comfort of use of your VORAX. A turbo motor momentarily boosts the suction power for very large waste or large volumes. A suction cut-off function at 80% discharge allows for a longer battery life.

The PERFORMANCE pack includes :

- A turbo motor.
- A suction cut-off function at 80% discharge.
- A waste hatch (direct access to the container without stopping the vacuum).
- A lockable storage space.

Included in the PREMIUM ★ and PRESTIGE ★ versions



FILTER  
ON

## RADIO/USB

Listen to music and/or broadcast music or messages, with the option of connecting a smartphone via the USB socket.

The RADIO/USB pack includes:

- A vehicle radio with a USB socket.
- Two built-in stereo speakers located behind the driver.

## WEED CONTROL

With this option, the VORAX becomes an all-round maintenance vehicle for green spaces and streets, beyond the vacuuming of waste. This optimises your investment and reduces the physical strain on your maintenance teams.

The WEED CONTROL pack includes:

- A weeding arm with a steel strand brush.
- An electric lifting cylinder.
- A 24V variable speed motor.

## ACCESSORIES

Turnkey solution! Receive your VORAX fully equipped down to the last detail with all the accessories that make your work easier. The accessories are perfectly designed to fit all the supports available on the equipment.

The ACCESSORIES pack includes:

- Garbage bag kit.
- Work light.
- Waste clamp kit.
- Shovel.
- Broom.
- An extra ø125 nozzle.

Included in the PRESTIGE ★ version

## HEADLIGHTS

By equipping your VORAX with (very powerful) headlights, it can operate and circulate 24 hours a day. This means longer service times in winter and operation after night events (parties, festivals).

The HEADLIGHTS pack includes :

- Two white LED lights at the front.
- Two red LED lights at the back.

Included in the PRESTIGE ★ version



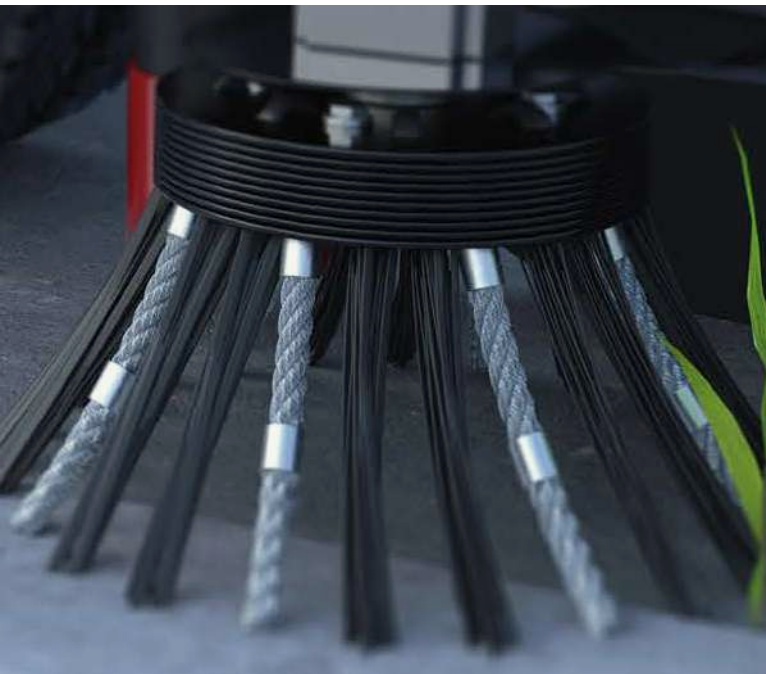
## AUTOMATIC FILTER CLEANER

To considerably reduce filter maintenance, this exclusive technology automatically cleans the filter and increases container capacity by spraying the waste. Fragrance can be added to reduce odours. Spraying also reduces the risk of fire.

The AUTOMATIC FILTER CLEANER pack includes:

- A vibrator.
- A sprayer.
- A 2.5 litre water tank.

Included in the PREMIUM ★ and PRESTIGE ★ versions



## WATER JET CLEANER

All VORAX models can be fitted with an optional high-pressure cleaner for intensive cleaning of surfaces (stripping) or maintenance of streets or green areas (moss, stains, etc.).

The WATER JET CLEANER pack includes:

- An adjustable jet gun.
- A 10 bar water pump with filtration and automatic start-up.
- A 30 litre tank.



Included in the PRESTIGE ★ version

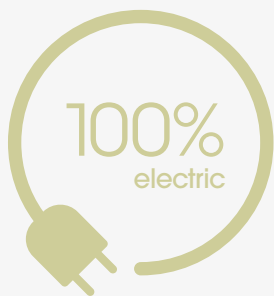
## CAMERA

High-tech equipment to facilitate the work of operators: manoeuvrability, productivity tracking, etc.

The CAMERA pack includes:

- A reversing camera.
- A container level sensor.
- A touch screen.





# VORAX

## AIRFORCE ULTIMATE

Powerful and fast: the most productive ride-on\* vacuum cleaner on the market

The VORAX Air Force Ultimate is a highly compact and powerful, self-propelled vacuum cleaner with an ergonomic design that prevents fatigue and bad posture, offering outstanding productivity. With more than 10,000 vehicles in service, it has become the market reference for urban and industrial cleaning.

\* The drawbar also allows the vehicle to be easily towed.

ULTRA  
COMPACT

Width	0,75 m
Height	1,5 m
Length	2,2 m

8

All accessories and options on P6 and 7



2000  
WATTS

3  
KM/H

6  
KM/H

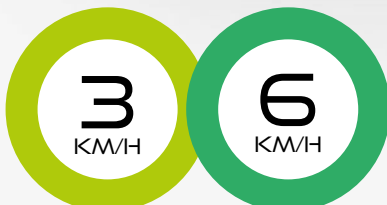
# VORAX AIRFORCE

## Self-propelled vacuum cleaner: compact, easy-to-use and very powerful

The self-propelled Air Force is the most compact of the VORAX urban vacuums. It is very easy to handle thanks to its ambidextrous drawbar, which incorporates all the appliance's controls so that it can be steered and manoeuvred anywhere while easily handling the suction nozzle or the various accessories.

**ULTRA  
COMPACT**

Width	0,75 m
Height	1,5 m
Length	2,2 m



**2000  
WATTS**

# VORAX SERIES

## Standard version

All VORAX models are mounted on the same chassis with a powerful drive system for movement and suction. The controls and safety systems are also identical, as is the 240 litre container. The standard equipment includes:

- ø100 suction nozzle
- High efficiency washable dust filter
- 1kg fire extinguisher
- Flashing light (rotating beacon)
- Reversing alarm
- Reflective strips
- Shovel and broom bracket

## Premium version

Includes all standard equipment plus accessory packs:

- Performance
- Automatic filter cleaner

## Prestige Version

Includes all standard equipment plus accessory packs:

- Performance
- Accessories
- Headlights
- Automatic filter cleaner
- Water jet cleaner

All accessory and option packages are shown on p.6 and p.7



## An operating range of 8 to 10 hours on the whole VORAX range

MP Environnement equips all its models with batteries that guarantee at least one day's work without having to recharge, either for suction or movement.

Three types of technology are available:

### Lead battery

(maintenance: demineralised water)

Charging time	8 hours
Life span	1 200 cycles
Price	€

### Gel battery

(maintenance free)

Charging time	8 hours
Life span	900 cycles
Price	€€

### Lithium battery LiFePO4

(maintenance free)

Charging time	1 h
Life span	5 000 cycles
Price	€€€€€



## Often copied, but never equalled!

MP Environnement faces unscrupulous international competition with many copies of its equipment made from poor quality components or materials, or even non-compliant or non-existent safety systems, which can be dangerous for users and the public.

0%

No CO<sub>2</sub> emissions.

50%

Noise level of 55 Db maximum at full suction power, i.e. 50% less noise than a thermal engine vehicle.

80%

80% reduction in maintenance time and costs.



## Railway stations, airports, industries, green spaces and roads

Indoors and outdoors, the VORAX can be used anywhere, easily, discreetly and without pollution.

# VORAX

## AIRFORCE PROGRESS

### The thermal urban vacuum cleaner: power and easy handling at the best price

The VORAX Air Force Progress is perfectly suited for small municipalities that are looking for efficient equipment for cleaning after markets, occasional events or for maintaining areas without undue speed. The time saving is substantial compared to foot-operated staff and relieves them of the strain, while providing much better hygiene conditions.



#### Highly robust design

The materials, components and construction of the VORAX Air Force Progress make it an extremely robust machine.

#### Specifications

4-stroke OVH Honda engine  
Unleaded petrol  
Power 1Kw 7000 RPM  
Transistor ignition  
Self-starting  
Splash lubrication

Vacuum suction (no waste in the turbine)  
Galvanised steel filter  
Reinforced composite cover, quick release  
Suction hose ø100 mm  
120 litre container

#### Trolley and accessories

*For optimal manoeuvrability, for example when negotiating kerbs or steps, add the optional trolley, which features ø260 mm pneumatic wheels, a mechanical brake, swivel front wheel, ambidextrous handle, hose holder, 5-litre jerry can, shovel and broom.*

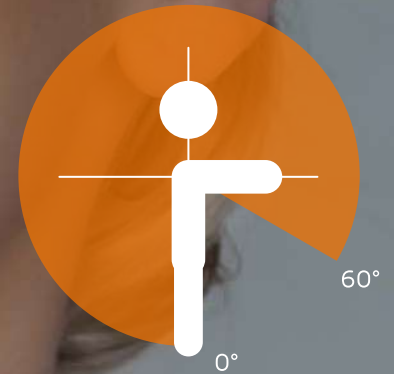
1000  
WATTS

# Reducing MSD

The entire range of VORAX equipment is designed to avoid musculoskeletal disorders (MSD)

The body regions affected by MSDs are mainly the wrist, shoulders and elbow. The number of new cases of compensated MSDs has been increasing by 13% per year since 1995. More than 42,000 cases were reported in 2012 (source INRS and CNAMTS)\*.

Investing in **ride-on** or **self-propelled** equipment can considerably reduce fatigue and MSDs for maintenance workers. Vacuuming (sufficiently powerful) also improves hygiene by avoiding the need to handle most waste.



All movements in the orange zone should be avoided to reduce the risk of MSD.



\* Source INRS (Institut National de Recherche et de Sécurité) and CNAMTS (Caisse Nationale d'Assurance Maladie des Travailleurs Salariés)

## Reliable and robust equipment for the maintenance of green spaces and streets

Inventor of the first urban vacuum cleaner, MP Environnement has been developing professional equipment for over 40 years that meets the highest requirements in terms of reliability and performance.

Its extensive range of leaf vacuums is designed to meet all productivity requirements, without ever compromising on quality.

Opting for MP Environnement equipment is a safe, long-term investment.

**Don't hesitate to compare!**



# ALIZÉ

## 9 HP

### Specifications

9 HP HONDA 270 cm<sup>3</sup> petrol engine.

Low oil level safety device.

Automatic starter (electric starter optional).

Electronic ignition.

Welded frame, epoxy paint, engine support on anti-vibration pads.

Turbine ø 350 mm, Dursteel reinforced, hardness 400 brinels, opening door for maintenance.

Reinforced polyurethane ejection elbow ø 200 mm.

Suction hose: 5 metres in ø 180 mm extra flexible polyurethane, adjustable cap at the end.

Manual suction nozzle with wear tip and operating handle.

Safety: shutter at the turbine inlet in case of hose pull-out.

## The robust, light and versatile leaf vacuum

Designed for the maintenance of green spaces and streets, the ALIZÉ leaf vacuum is easily fitted to the side panel of small vehicles, making it highly versatile. This is the ideal model for purchasing durable and robust equipment at a very reasonable cost.

10<sup>m3</sup>  
PER HOUR  
(foliage)



# VENTPIRE

## 13 HP

### Specifications

13 HP HONDA 4-stroke petrol engine.

Low oil level safety device.

Automatic starter (electric starter optional).

Turbine  $\varnothing$  400 mm, Dursteel reinforced, hardness 400 brinels, opening door for maintenance.

Interchangeable wear plate (casing bottom).

Centrifugal clutch with belt drive.

Ejector elbow with adjustable deflector.

Welded tubular frame, epoxy paint.

Articulated material bracket with strap.

Suction nozzle with interchangeable tip.

5 meter  $\varnothing$  200 mm suction hose in extra-flexible PU.

### Options

Shredding head to be fixed on the turbine to reduce leaf volume and facilitate composting.

Soundproofing box.

Vacuum kit with automatic balancer with reel - Delivered complete with nozzle and handle.

Hydraulic handling trolley for installation and removal.

Road trailer for transport or towed version.

## A powerful leaf vacuum: portable or trailer-mounted

The VENTPIRE leaf vacuum is available in a portable version (can be fixed on all kinds of sides/gates) or a trailer-mounted version. Very easy to use, powerful and highly productive.

20m<sup>3</sup>  
PER HOUR  
(foliage)



# SIROCCO

## 18 HP

### Specifications

18 HP HONDA 2 cylinder petrol engine.

Low oil level safety device.

Electric starter motor.

Turbine ø 400 mm, Dursteel reinforced, hardness 400 brinels, opening door for maintenance.

Interchangeable wear plate (casing bottom).

Centrifugal clutch with belt drive.

Ejector elbow with adjustable deflector.

Welded tubular frame, epoxy paint.

Articulated material bracket with strap.

Suction nozzle with interchangeable tip.

5 meter ø 200 mm suction hose in extra-flexible PU.

Trailer: :

- road axle 400 kg
- wheels 400 x 10
- drawbar adjustable in all positions, with eye-coupling.

Overall dimensions:  
2.10 x 1.32 x 2.35 m

### Options

Shredding head to be fixed on the turbine to reduce leaf volume and facilitate composting.

## The high-powered, trailer-mounted leaf vacuum

The SIROCCO is designed for companies or local authorities that are looking for a very powerful and productive equipment. It is trailer-mounted and very compact and easy to operate. The design and manufacture process focus on high performance and reliability. This is a long-term investment.

40m<sup>3</sup>  
PER HOUR  
(foliage)



# TURBO90

## 28 HP

### Specifications

28 HP LOMBARDINI 3 cylinder diesel engine.

Low oil level safety device.

Electric starter.

Turbine ø 600 mm with 6 blades, Dursteel reinforced, hardness 400 brinels, opening door for maintenance.

Interchangeable wear plate (casing bottom).

Centrifugal clutch with belt drive.

Swivel ejector elbow and adjustable deflector.

Welded tubular frame, epoxy paint.

Articulated material bracket with strap.

Suction nozzle with interchangeable tip.

5 meter ø 200 mm suction hose in extra-flexible PU.

### Options

Soundproofing kit.

Suction kit with automatic balancer with reel.

## The most powerful and productive leaf vacuum

The trailer-mounted TURBO90 achieves maximum productivity with its 28 HP gear motor. The design uses components and materials befitting this high-powered equipment to ensure reliability.

80m<sup>3</sup>  
PER HOUR  
(foliage)



# HOPPER

## + VACUUM UNIT

### Specifications

Mechanically welded structure with anti-corrosion treatment.

Aluminium sheet metal cover.

Hopper base reinforced with plywood.

Rubber inner flap.

Rear door with quick opening for emptying.

High filter grid for air discharge + anti-dust filtering panel.

White epoxy paint.

Suction unit integrated in the rear door.

Opening door for access to the turbine.

Rear cowling with a door for sound insulation.

Support for the vacuum hose.

Rear signage with retro-reflective strips.

The TPESC number appears on each white stripe (decree January 1987).

Rear signalling with lights.

Choice of suction unit: ALIZÉ 9 CV, VENTPIRE 13 CV, or SIROCCO 18 CV.

### Options

Cradle in IPN 180.

## The «all-in-one» leaf vacuum system

To meet our customer's exact requirements, this hopper can be fitted onto any chosen suction unit: ALIZÉ, VENTPIRE or SIROCCO. Available from 2 m<sup>3</sup> to 18 m<sup>3</sup>, it provides compact and complete equipment that can be towed by any type of vehicle.

40m<sup>3</sup>  
PER HOUR  
(foliage)



## Designed and manufactured in France

The MP Environnement factory is located in France. All equipment is designed and manufactured in its workshops with quality control at each stage of assembly.

### Maintenance and after-sales service

MP Environnement offers service agreements (500h / 6 months or 1000h / 1 year) with 20 inspection points.

A permanent stock of spare parts is available to reduce repair and maintenance times.

Our on-site intervention teams operate within 48 hours throughout France (mainland France, Corsica, overseas departments and territories).





## Telephone assistance

*Advice on use or maintenance,  
training or demonstration requests.  
Contact us for more information:*

**+ 33 (0)4 76 66 04 44**





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