



- Foundry
- Steel Works
- Cement Works
- Industrial Cleaning



Application Catalogue



spirovac[®]
High Power
V a c u u m s

spirovac®

High Power
V a c u u m s

Spirovac® is the Industrial Vacuum
for the recovery of large quantities of material.

Where it can be helpful

- To clean ditches, elevators, tunnels, overhead cranes, plant structures etc.
- For maintenance where it's necessary the rapid removal of large quantities of material to access the plant.
- For the recovery of material to re-cycle.
- Realisation of a pneumatic transportation system.
- Realisation of a centralized vacuum system.

Principal Advantages

- Reduce stopages of machines or plant.
- Recovery of large quantities of material, even in the most inaccessible locations.
- Conforming to legislation with respect to the security and quality of the production.
- Enormous saving of both time and labour.



Principal Fields of Application

FOUNDRY

STEEL WORKS

CEMENT WORKS

CERAMIC PRODUCTION

REFRACTORY OF BRICKS

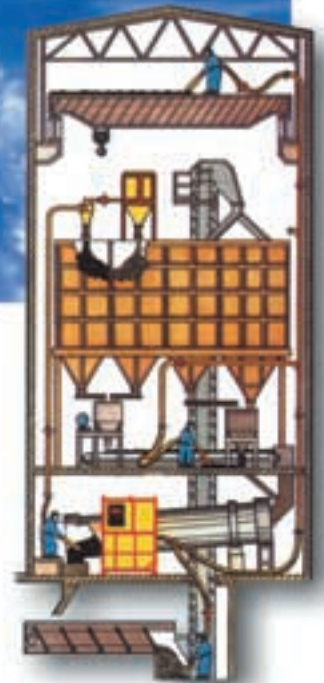
RECYCLING OF MATERIAL

DISPOSAL OF REFUSE

INCINERATORS

PRODUCTION OF FERTILISERS AND FODDER

INDUSTRIAL CLEANING



Applications



COMPACT with hopper

COMPACT with Recovery Container

COMPACT with Recovery Container

COMPACT with hopper and discharge for BIG-BAG

Spirovac® from 22kW to 37kW with recovery container of capacity 1,3 m³. Transportable.

These models are easily transported with the aid of a forklift or crane. They are equipped with resistant tubes and a wide range of accessories. The container for the recovery of the debris of 1,3 m³, can be removed and emptied using a fork hoist.

Principal Operating Environments:

-Cleaning contractors, foundries, steelworks, ceramic works, production of pre-fabricated cement.

Advised usage:

-Cleansing of the plant with the possibility of disposal of the debris from production.

Spirovac® from 22kW to 100kW with hopper ranging from 1 to 1,3m. Fixed Plant.

Used in fixed centralised vacuum plants. Vacuum to which is connected a piping system, which permits usage at different locations and on different floors, reaching to the furthestmost points or inaccessible locations.

The Spirovac® offers the possibility to attach directly the accessories to the vacuum unit for usage in close proximity.

Principal Operating Environment

-Cement works, calcification and chalk plants.

Advised Usage:

-Cleansing, recovery of material and return to production process.
-Pneumatic transportation.
-Industrial cleaning with discharge of recovered material on transportation belts, in containers, in Big-Bag, Silo's or to load trucks or train wagons.

Spirovac® from 22 to 100kW with pre-separator.

These models are composed of two units; a pre-separator to which are attached the accessories and in which deposits the majority of the recovered material and a suction unit where only the lighter more volatile dust deposits.

The recovered material can be discharged directly from the pre-separator, available in various dimensions and a selection of discharge valves are available.

Principal Operating Environments

Incinerators, re-cycling, mais.

Advised Usage

The combination of two units permits the recovery of enormous quantities of material.

Spirovac® mobile units are motorised by either an electric or diesel motor from 55 to 100 kW. Version for lorry's and Dumper Trucks.

This mobile unit (validated by the ministry of transport) permits to arrive directly at the recovery point or at the coupling junction of a centralised plant.

This unit has been designed to function completely self-governed, it's simply placed on the platform of the truck, a hydraulic system for the discharging of the recovered material is provided.

Technical specifications

Model	Power		flow m ³ /h	Max depression daPa
	kW	cv		
COMPACT SPY 9/30	22	30	1650	4500
COMPACT SPY 11/40	30	40	1950	4500
COMPACT SPY 11/50	37	50	2000	5000
COMPACT SPY 11/50 AV	37	50	1800	7000
MAJOR SPY 25/75E CJ	55	75	3050	5000
MAJOR SPY 25/75E CJ AV	55	75	2800	6000
MAJOR SPY 100E CJ AV	75	100	4100	7000

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Foundry

In production foundries the **Spirovac®** is used in zones of stripping, below the shake-out (vibrating grill).

In this zone it happens the detachment of earth upon the transportation belt that moves in the direction of a bucket elevator.

Along the belt length enormous loses of earth occur for which the Spirovac is used for the recovery reducing drastically time and labour hence costs.

The more frequent applications are:

- Cleaning below earth preparation towers.
- Cleaning below rollers for the recovery of earth and slag from the iron.
- Cleansing of the sand moulds.
- Cleansing of steel granule jet bays, that is the recovery of “precious” grains of steel.





Cement Works

The **Spirovac**[®] is used principally for the cleaning of the cement-mill and clinker. In this case it is advised the installation of fixed tubing connected to a **Spirovac**[®] of elevated power 75 or 100 HP.

In the previous two cases the scope is the cleaning of the environment and the recovery of hundreds of tonnes/year of material, naturally bringing about significant savings.

The **Spirovac**[®] is used as a centralised unit, in the bagging zones for the quick recovery of the tonnes of material which is spilt.



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Ceramics, refractory and construction brick works

Use of primary materials of earth and clay generate a large quantity of overflow often of dry dust.

Hence along the entire path that the material undergoes, from its entrance in the factory to its usage in production, it's necessary for regular cleaning and recovery.

In particular the area of production of refractory bricks requires cleaning of the machinery after each cycle of production to avoid the excessive wear.

The more frequent applications :

- Cleansing of working area of refractory
- Cleansing of moulds
- Recovery of material below transportation belts
- General cleaning of the plant

The **Spirovac**[®] can be used as a mobile vacuum or alternatively as a central suction unit.



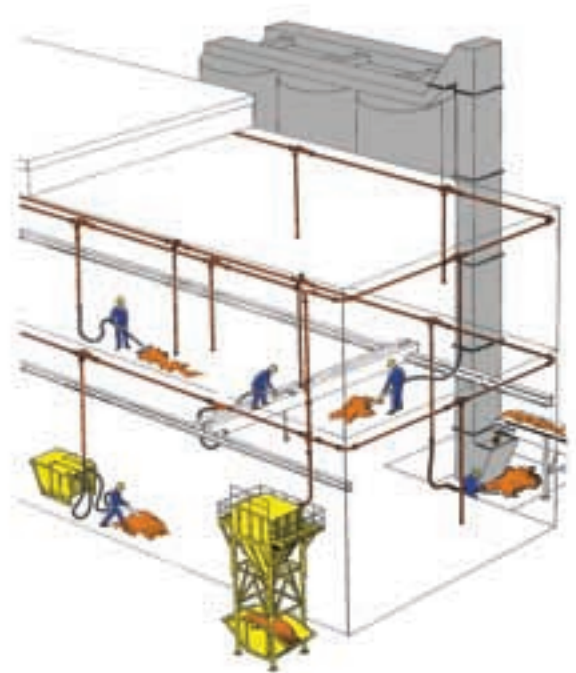
Applications



Industrial Hygiene and Cleaning

In re-cycling plants the **Spirovac**® is suited for the cleaning in areas where breakage occurs and for the transportation of glass or plastic; in incinerators and energy production plants, it is the **Spirovac**® that acts as the centralized unit, when connected to a piping system over various levels, removes quickly cinders and dust.

For industrial maintenance cleaning contractors use **Spirovac**® to clean heavy industrial ambients or where normally particularly grave production is carried out where large quantities of spillage are involved.



Industrial
V a c u u m s

Centralized
V a c u u m
S y s t e m s

Pneumatic
C o n v e y o r s

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High Power
V a c u u m s



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