



**INDUSTRIAL VACUUM SOLUTION
FOR HEATING AND COGENERATION**



Integrated wood chipping

Wood chips are obtained from wood residues such as pieces of logs and chopped up. . Delfin's vacuum solutions allow easy cleaning of the areas and maintenance of the machinery used for chipping, allowing the recovery of wood chip residues resulting from cutting and mechanical handling.

Storage of wood chips

The storage of wood chips must be carried out in a ventilated environment, to keep the chips in perfect condition while avoiding the risk of moisture. At this stage, our solutions are ideal for the maintenance of the environment, ensuring efficient cleaning of the storage area and the collection facilities.



Boiler Supply

The wood chips are moved from the storage area and conveyed into pits or silos that feed the boiler through mechanical movements. Racks or radlers at the bottom of the pits push the material towards the boiler. At this stage of the process fixed or mobile vacuum cleaners can be used for maintenance of the equipment and cleaning of the rooms.

Combustion

The wood chips previously generated and handled during the various stages are sent to the boiler for combustion to generate energy/heat. Here it reaches temperatures of 800/900°. The primary need at this stage is to remove the fly ash generated by combustion.

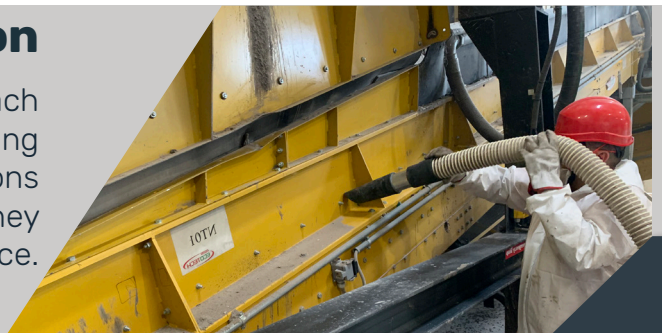


Evacuation of ashes

Residual ashes from the combustion phase must be removed from the boiler. The ash removal or evacuation mode can be manual (in small plants) or automatic (in large plants). In both cases, mobile or stationary solutions are ideal to have an optimal cleaning of the unit and to collect and dispose of the ashes in a predetermined place.

Maintenance under power station

Each building has its own specific heating needs, so each district heating operator has specific requirements regarding connection techniques. The heat distribution sub-stations are the place where these parameters are regulated. They require constant cleaning and general maintenance.



WHEELED SOLUTIONS



- ✓ **Continuous high performance**
With turbines up to 25kW
- ✓ **Maximum production efficiency**
For continuous applications
- ✓ **Ease of use**

CENTRALIZED SYSTEMS

Cleaning of all production ✓
Less cleaning time

Covering large distances ✓
Up to 70 m

Multi-point suction ✓



HIGH VACUUM RANGE



- ✓ **High Performance**
Up to 45 kw
- ✓ **Large collection capacities**
Fino a 1000 lt
- ✓ **Safe unloading of material**

THE COMPANY



Delfin was founded over 30 years ago as a result of the passion of its founder, Antonino Siclari, for industrial vacuum cleaners.

Delfin has never stopped working to offer its customers innovative and efficient solutions at the top of quality and design, solving cleaning problems for professionals and industries all over the world.

WHY THE DHV LINE?

The industrial vacuum cleaners in the DHV series are designed for heavy-duty, continuous, and continuous applications. High power, high performance, long distances. The range was created to solve the suction problems in industries that large quantities of dust, spillages, and residues that constantly undermine production and residues that constantly undermine production efficiency and workplace safety.



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