



**ESE S**

**The stationary modular suction system**





## VARIABLE AND ELECTRIC

RSP's aim is to apply the advantages of an emission-free, electrically powered suction attachment in various sectors of industry, the construction industry and other fields of activity.

The modular design of an ESE S system serves as the basis, which can be operated stationary or built on a mobile substructure.

The individual modules are standardised according to ISO 668 container dimensions in width and height and vary, depending on the design, only in length (5ft or 10ft).

This design makes them quick to replace and easy to transport. The individual modules can be combined in different ways, depending on requirements.

According to requirements and field of application, additional options such as compressor or high-pressure water system selected.

The power supply for the electric drive can be provided by a generator module. However, the system can also be connected to the existing power grid.

### Our module family consists of:

- Fan module
- Filter module
- Material module
- Hose carrier module

**The placement is variable and can be carried out as required on a truck, rail car, trailer or as a stationary substructure.**

Due to the wide range of requirements and specifications of our customers, customised additional solutions are always required. We check the feasibility of customer needs and develop an individual extraction station that meets the specific requirements and can be successfully implemented.

## MORE FLEXIBILITY

### Fan module

The proven high-performance double fan is equipped with a direct electric drive. There is the option of integrating a compressor and a water system. All components are purely electrically driven, water-cooled and controlled by inverters.

### Filter module

Including 50 filter cartridges

### Material module

The system is available in different sizes to suit customer requirements and offers flexible emptying options. It can be emptied either downwards via a flap or to the rear via a conveyor belt.

### Hose carrier module

The module is used for hose guidance and to pick up the material to be suctioned. Its central design ensures symmetrical coverage of the suction radius. The range of the articulated hose carrier can be limited, for example, to prevent damage to lines or collisions with oncoming traffic. An electrically driven hydraulic unit can be integrated into the module as needed.



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**RSP GmbH & Co. KG**  
Zum Silberstollen 10  
07318 Saalfeld  
[www.rsp.com](http://www.rsp.com)

