



CSU

Stationary solution

Efficient.
Innovative.
First choice.



With the Container-Suction-Unit (CSU) RSP provides a flexible stationary solution for a whole range of applications. The CSU could either be worked stationary or mounted onto a vehicle, a trailer or a railway carriage. It consists of a suction-unit and a separate material-container with a capacity of up to 8 cbm. A choice of connection- and extension hoses is completing the system.

By separation of the suction unit from the material container the container could be changed and emptied easily. Removal of the material container could be carried out by usual skip-container vehicles.

Data

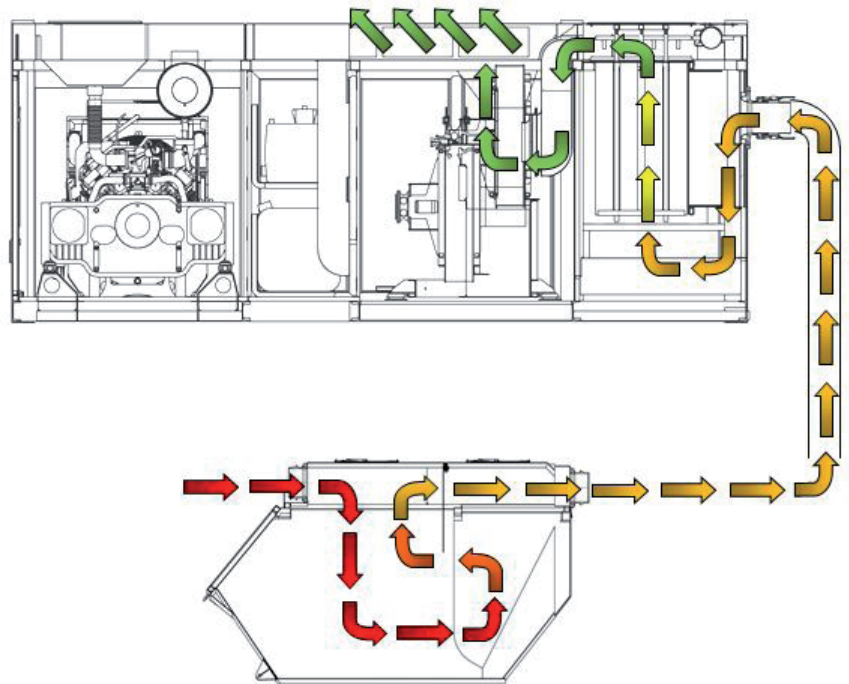
Model	CSU 42,000 - 2H
Length	5,850 mm
Width	2,300 mm
Height	2,100 mm
Weight	8,410 kg

50 m*
Suction depth

150 m*
Suction distance

* Depending on material and installed suction capacity

Function Principle



Suction Unit

5,850 mm

Length

2,300 mm

Width

2,100 mm

Height

330 kW

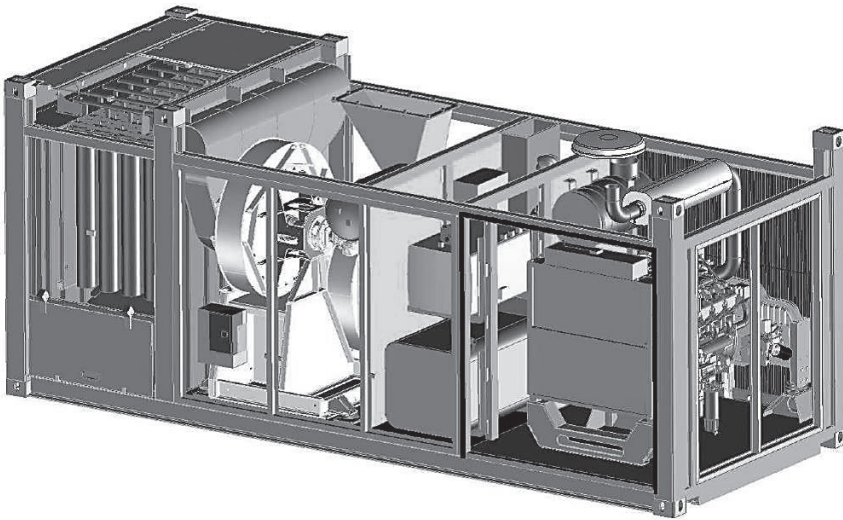
Power

The suction unit consists of the drive unit, the radial double ventilator and the fine-mesh-filter-unit. The high speed airstream (arrows) generated by the ventilators is able to transport the material into the collecting container (red).

While passing the separation chamber the heavy material will be separated and stored in the container (orange). Via connection hoses the pre-purified airstream then will be led into the suction unit (yellow) where fine-mesh filters finally clean the air by removing fine particles. In the last stage the purified air will be led outside through a noise-absorbing chamber (green).

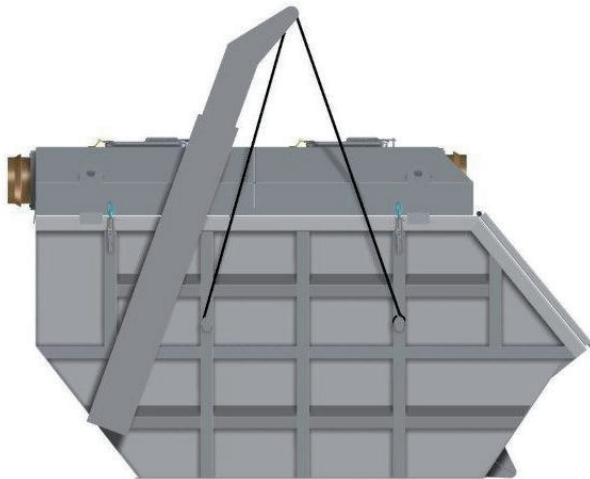
Technical data

Drive	Diesel engine
Type	6-Zylinder-V-engine
Power	330 kW
Fuel tank	400 l
Fan	Radial twin fan
Drive type	hydrostatic
max. flow rate	42,000 m ³ /h
max. vacuum	40,000 Pa
Maximum speed	3,900 1/min
Control	stepless
Fine-mesh filter unit	128 m ² fully integrated



Material Container

The material container is supposed to collect the excavated material. Furthermore the main separation process is to be carried out in the container. It could be transported and emptied while using usual skip-container vehicles.



Material Container

3,934 mm

Length

2,500 mm

Width

1,800 mm

Height

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