



INDUSTRIAL VACUUM SYSTEMS

# BiomassVac



**Explosion  
protected!**

- Explosion protected version for vacuum extraction inside zone 22
- Vacuum extraction and safe discharge of wood chips, wood pellets and ash. Dust free discharge if required.

Special version of the well-proven VacTrailer S-4



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This unit represents the ideal, compact solution to cover all types of cleaning work with high suction power in biomass power plants.



### Safe explosion protection system

The S-4 is equipped with our well-proven combination of explosion relief valve with flame absorber and our own explosion return check valve to separate the suction line from the filter hopper. This explosion protection configuration is certified to be operated inside zone 22. Additionally, it is possible to increase the collection capacity of the S-4 from 500 to 1000 litres.



### Operation in zone 22

Because of its electric motor and the Wieland explosion protection system, the unit is certified according to ATEX 3D and can be operated inside zone 22. If a Diesel operated unit is required, the S-4 can still safely extract explosive suction material but must remain outside zone 22 - not a problem, taken into account that due to the suction power of the S-4 a suction line of 100 m or more is easily possible!



### Hydraulically operated discharge cone

Well flowing bulk material such as ash can be discharged into BigBags (dust free) or into open containers by using the hydraulic slide gate. Suction material which is more difficult to discharge such as wood chips requires a larger discharge opening. For this, the lower part of the collection cone can be opened hydraulically and the suction material will discharge safely through the large opening.



### Electro-hydraulic operation of the moving components

The operator can comfortably lift the collection container into the working position, can open and close the discharge slide gate and can open and close the discharge cone - hydraulically and without any effort. Typically S-4: Compact design for mobile applications, powerful for effective suction work, ergonomically designed for a fatigue-free handling.

