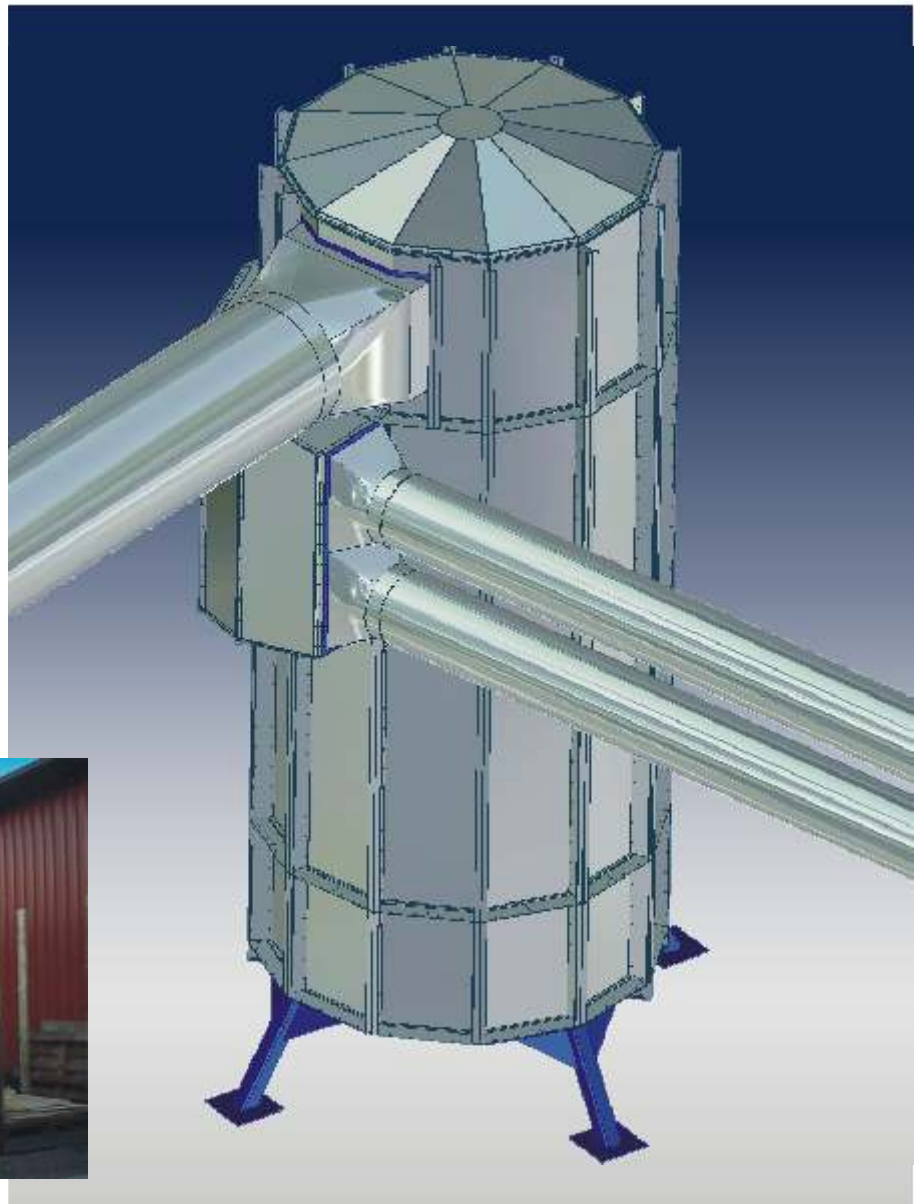


The Power High Load filter - type PHL has been designed to comply with current legislation on emission to the atmosphere from continuously operating exhaust systems with a high proportion of fine dust.

Besides the filter meets the demands of the market when it comes to high capacity air volumes compared to a minimum space required on the ground.

The filter is designed for negative operating systems with medium air capacities, but it can as well be implemented in traditional, positive operating systems.



Air return saves energy

Where legislation permits, the filtered air can be returned to the working area through a system of return air ducts, which may be fitted with a fire damper that, in case of excessive temperature increases, will shut down the complete exhaust system and also stop the airflow.

The filter takes less space

PHL- filters include polyester filter bags with a spring in each bag. The filter construction is built from 2 mm modular and hot-galvanised panels - meant for operation in

negative as well as positive systems. The design of the filter implies that it does not take up much space on the ground.

Automatic regeneration ensures the exhaust power

By filtration of dust-filled air, a layer of dust builds up on the surface of the filter bags, which results in a growing resistance of the filter system. Continuously cleaning of the filter bags prevents a reduction of the calculated air volume.

The automatic regeneration of the filter bags is achieved by means of a high pressure cleaning fan. The

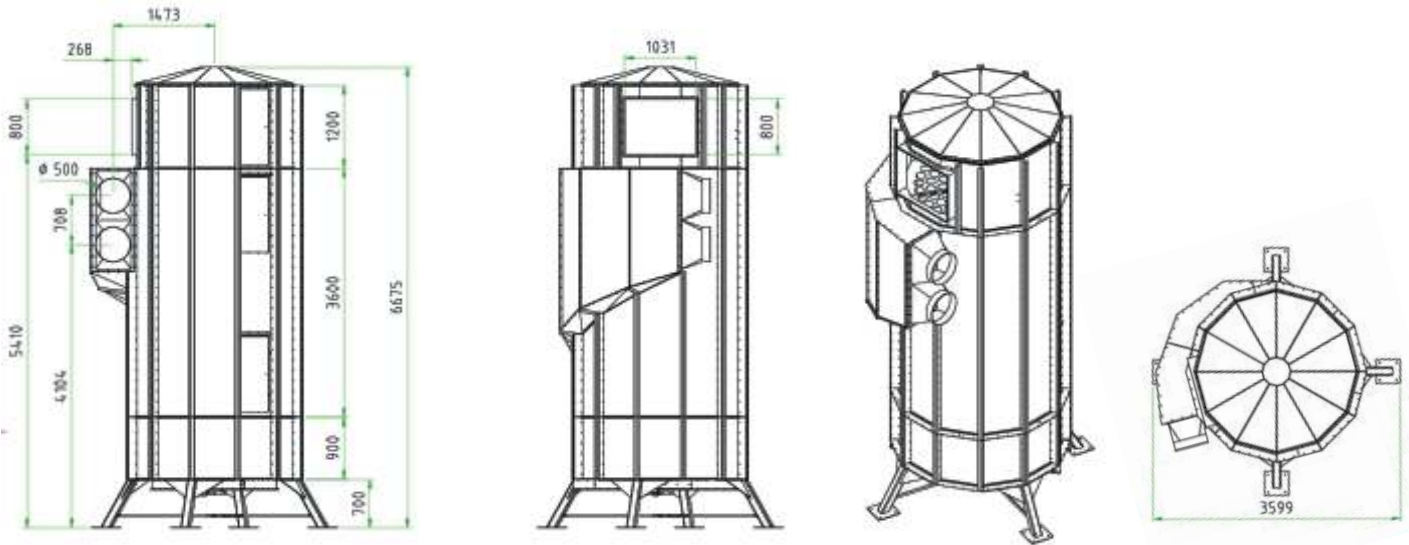
efficient cleaning system allows filter loads of up to about 150-180 m²/m³/h, dependent on the waste being extracted. The filter can be in operation 24 hours a day.

Accessories

- Excess pressure damper.
- Sprinkler system or spark extinguishing system.
- Rotary valve - ATEX approved.
- Summer/Winter damper..
- Control panel.

POWER HIGH LOAD FILTER

Dimensions of a PHL 1240 PHL-390

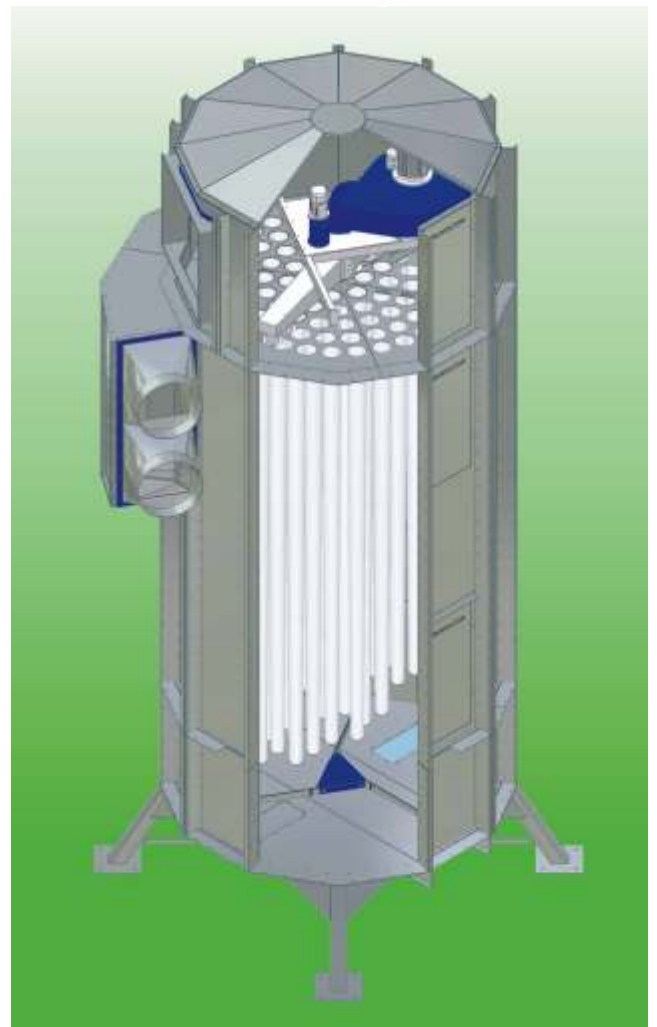


Advantages:

- High rate of filter load (150 - 180 m³/m²/h).
- Efficient filtration, minimum dust emission.
- Continuous operation 24 hours a day.
- Especially suitable for sub-pressure systems.
- A minimum space required on the ground.
- ATEX-approved EX-doors.
- ATEX-approved rotary valves.

Capacity	From about	To about
Air volume	15.000 m ³ /h	36.000 m ³ /h

Type	No. of panels	Length of filter bags mm	Total unit height mm	Filter area gross m ²
1227 PHL-390	12	2.700	5.375	95
1230 PHL-390	12	3.000	5.675	106
1235 PHL-390	12	3.500	6.175	123
1240 PHL-390	12	4.000	6.675	140
1627 PHL-3130	16	2.700	5.375	137
1630 PHL-3130	16	3.000	5.675	153
1635 PHL-3130	16	3.500	6.175	178
1640 PHL-3130	16	4.000	6.675	204



Regeneration fan 7,5 kW.
 Reg. carriage motor 0,37 kW.
 Motor for bottom discharge system 0,55 kW
 Rotary valves RS-EX 7,5 each 0,55 kW.