



Filter & Silo Systems



Filter systems



Aagaard A/S is a Danish manufacturer of modular bag-house filter systems. Aagaard's chain filters are ideal for large air volumes and large quantities of wood dust and chips. Aagaard filters equipped with automatic reverse-air filter bag cleaning systems can operate reliably 24/7/365.

The photo to the left shows a chain filter at Moulding & Millwork's factory in Calgary, Canada – 150,000 m³/h.



The photo above shows Aagaard's patent-pending, re-usable, hopper-mounted explosion relief doors.

The photo to the right shows 2 of 7 Aagaard chain filters at Swedwood's factory in Wielbark, Poland. Total air volume of the factory: 800,000 m³/h.



Machining



Rough wood



Sawing



Moulding



Laminated wood

Handling



Stacking



Assembly



Fitting



Packing

Application



Windows



Doors



Furniture

Filter systems

Agaard chain filter at kitchen door factory filtering 60,000 m³/h of air – 100% of which is returned to the factory.



The photo to the left shows the inside of an Aagaard chain filter hopper.

The photo below shows an Aagaard chain filter at VELFAC's window factory in Poland – air volume: 180,000 m³/h.



Aagaard's filters equipped with its hopper-mounted explosion relief doors are ATEX tested and approved.



Sawing

Moulding

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Furniture

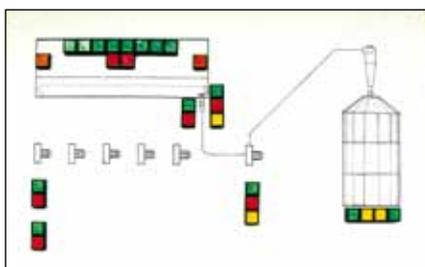
Filter systems



Aagaard chain filters at a furniture factory in Klaipeda, Lithuania and Swedwood's laminated wood factory in Tikhvin, Russia respectively.



Aagaard chain filters at Trax-BRW in Przeworsk, Poland and Manhattan, Furniture in Lancing, England respectively.



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Aagaard chain filter
at Danish pinewood furniture
factory - air volume:
120,000 m³/h.



Aagaard manufactures direct-driven
and indirect-driven medium-pressure
material transport fans.



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Aagaard chain filter with hopper-mounted explosion relief doors at a factory in Belarus – air volume 250,000 m³/h.



Aagaard chain filter at Danish furniture joinery with heat exchanger for return of air to the factory and with an Aagaard chip conveyor system for the transport of wood chips to a container.

Close-up of inside of Aagaard chip conveyor.



Central collection point for all the material transported pneumatically from 5 of the 7 Aagaard chain filters at Swedwood's factory in Wielbark, Poland. The material is pre-separated by a battery of Aagaard cyclones and transported mechanically via an Aagaard chip conveyor system to 2 Aagaard silos. The 6th chain filter provides the dust extraction from the 4 cyclones.



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Aagaard chain filter
at Danish window
factory – air volume
40,000 m³/h.
The filter bags are
cleaned automatically
and continuously
by sound insulated
reverse-air fans.



Close-up of Aagaard sound insulated reverse-air fan.



Aagaard chip conveyor filter.

Aagaard chain filter
with Aagaard fan mounted in
Aagaard acoustic booth on roof
of Norwegian planer factory.



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For smaller air volumes Aagaard offers rotary valve filters equipped with Aagaard rotary valves, which are both available in an ATEX approved version.

The system on the left is mounted on a standard Aagaard container stand.

Aagaard also offers bag-emptying filters with plastic bags or steel bins.



Aagaard rotary valve filter on container stand – air volume 10,000 m³/h.

Aagaard rotary valve filter with extended legs.



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Aagaard bag-emptying filter with hopper-mounted explosion relief doors (ATEX approved) and steel bins at Swedish kitchen manufacturer – air volume 45,000 m³/h.



Aagaard rotary valve filters on standard Aagaard container stands.



Aagaard bag-emptying filter.



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Silo systems



Aagaard manufactures modular silos specially designed for the storage of wood chips and dust. They are available with a flat or pitched roof for the mounting of an Aagaard silo filter or cyclone respectively.



Aagaard offers conical hoppers for its silos with worm screw out-feeders.

Aagaard silos are equipped with explosion relief panels.

The photo to the far left shows a complete system for conveying wood chips from a silo to briquetting presses.



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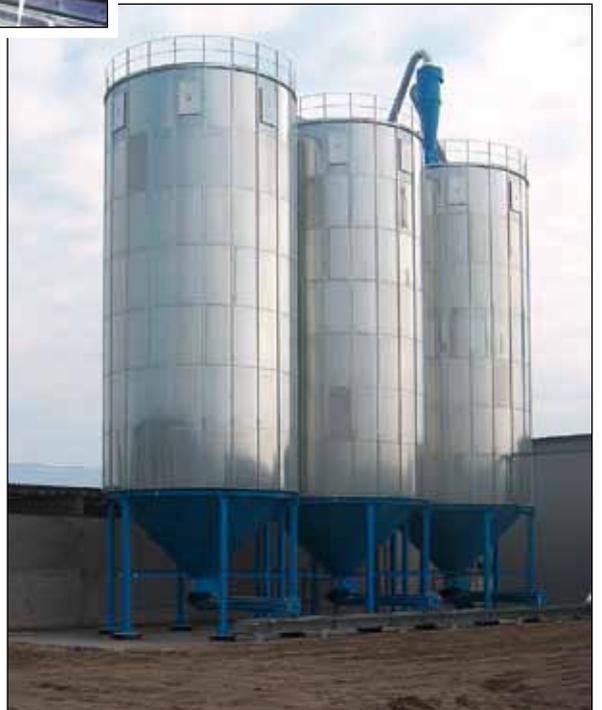
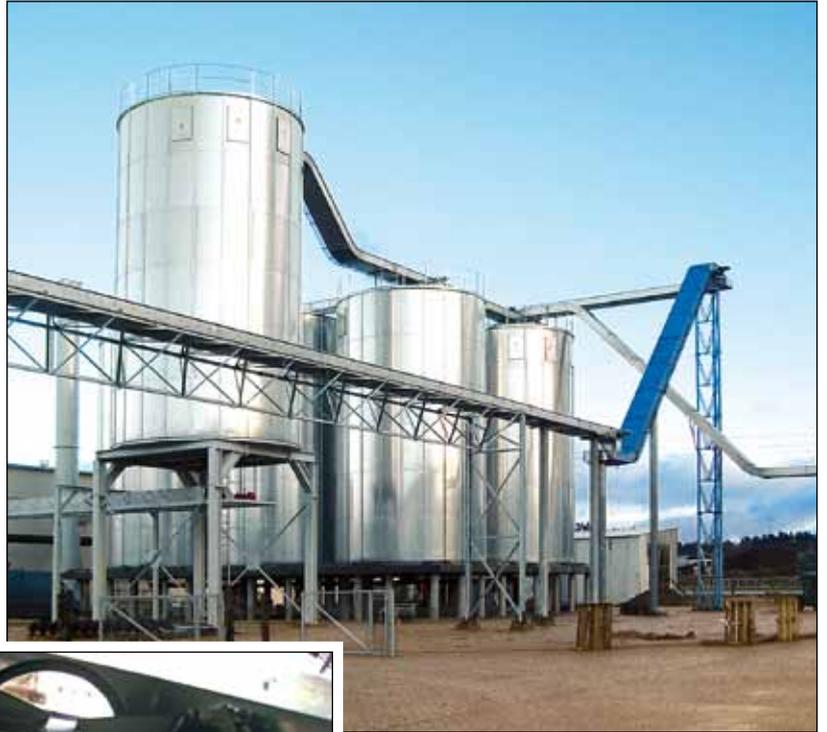


Furniture

Silo systems



In addition to silo systems
Aagaard manufactures
modular chip conveying
systems for quiet, reliable
and dust-free mechanical
transport of wood chips and dust.



Aagaard's chip conveyors have 2 chains
as seen above and are available in 2 sizes (widths).
They are the ideal solution when low energy consumption
and low noise are important factors for the customer.



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Obel-P Group is a Danish group of companies, which develop, manufacture and market customized solutions of high technology and quality for the global wood industry.

The close cooperation between the companies in the Obel-P Group, each with its own area of expertise, creates synergy when developing the best solution for its customers.

Aagaard offers component sales as well as turn-key solutions through its global network of sales offices and dealers.

