

Naaykens'



Luchttechnische
Apparatenbouw B.V.

Versatility
in industrial
pneumatic
applications



Exhaust installations

Heated air exhaust installation
with the production of soy;
capacity: 414,000 m³/h.



Filter installations

Cartridge filter type 48/21
Capacity: 60,000 m³/h.



Cyclones

Pre-separating cyclone
with cartridge filter type 26/21.
Capacity: 15,000 m³/h.



Industrial fans

Flue gas fans type B 49
Capacity: 200,000 m³/h.



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Exhaust installations

Naaykens' Luchttechnische Apparatenbouw designs, produces and installs complete exhaust installations for dust- and vapour extractions.

Its own design-department assures an optimal result, based on the application of high-tec software and the use of computer-technologies on several CAD-stations.

The design details are based on our 60 year experience in the field of air technology.

Naaykens anticipates both the existing as well as the (already known) future requirements for the inner and outer climate-, safety- and sound-technical demands.

The production of various components is accomplished with the most modern numeric controlled machinery in our plant in Tilburg.

An exhaust installation will be assembled as much as possible from standard components; however, a special module will be specifically designed if desired. As a result there will always be a tailor-made installation available for the customer with a most advantageous price/quality ratio.



Exhaust installation for vapour extraction in textile industry
Suction-hood fabric stainless steel AISI-316: 22 x 4 meter
Exhausted capacity: 72,500 m³/h



Extraction of tobacco-dust in a cigar-factory



Welding-vapour extraction



Flavour extraction in a slaughterhouse
capacity: 60,000 m³/h

Exhaust installation for filling
in a chemical industry



Floating dust-extraction in an industrial laundry

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Filter installations

In order to separate the dust from the air-stream our Research & Development Department has developed various types of filters: mechanically- or compressed air-cleaned filters using filter-bags, cartridges or cassettes as filtering elements.

Depending on the type of dust our designers select the optimal filter for your production-process.



Round cartridge filter on a special base-frame.



Compressed air-cleaned bagfilter type Cobra-Jet with the production of wood-wool cement plates.



Bag filter type SMKT-225 for the exhaust of a blasting hall for railwaycoaches. Total exhaust-capacity: 81,000 m³/h.

Cartridge filter type 48/21 with cloth surface of 1,008 m². Application: exhaust of a production line Snack-factory. Capacity: 60,000 m³/h



Cartridge filter type 20/21 erected behind a plasma cutting machine with a pre-separator and spark catcher. Capacity: 8,500 m³/h



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Cyclones

In an exhaust installation cyclones will be applied for larger quantities of dust or product.

Specific applications:

- generally for the separation of particles that exceed 20 μ
- as pre-separator for a cloth-filter system
- in product recycling installations.



Cyclone erected with a Cobra-Jet bag filter for the separation of carbon fibre.

Pre-separating cyclone in metallization exhaust with cartridge filter type 26/21. Capacity: 15,000 m³/h.



Cyclone erected with a shredder installation for the separation of 14 m³ recycling product per hour.



Cyclone application for the recycling of glass beads in a shotpeening process for airplane wheel-rims. Capacity: 3,600 m³/h.



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Industrial fans

The heart of the installation is the fan. For many years, Naaykens has been manufacturing blowers for industrial purposes under the license of Chicago Blower Corporation U.S.A. The fans can be delivered in a range from several hundreds to several hundred-thousands of m³/h. After having determined the required suction capacity, the design department calculates the pressure-drop over the system. In one-stage arrangement up to pressures of 25,000 Pa.



The most optimal fan will be selected by means of a computer selection-program, among 20 different designs.

Sound-technical requirements often perform a major role in this selection-process; Also silencers, sound-isolation on the fan-housing or a complete sound-isolating enclosure are part of our capabilities.



Capacity measuring fan in the R & D department.



Alignment-adjusting of a coupling with laser equipment.

Maintenance

Our company also offers the complete maintenance and support of the exhaust installations erected in your plant.

Periodical checkups and maintenance can be performed, using advanced equipment for the measuring of bearing-vibrations and, if necessary the balancing of the fan on site. This will increase the operating reliability of your installation.



Assembly of a flue gas fan type A 80³/₄. Capacity: 250,000 m³/h.



Fan type MH 45, capacity: 120,000 m³/h. Application exhausting behind milkpowder dryer.



Stainless steel Process-fan for the nutritional industry type B 60, capacity: 142,000 m³/h.

Fans type A 36¹/₂ provided with a silencer for grain drying. Total capacity: 530,000 m³/h.



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Quality

For over 60 years Naaykens' Luchttechnische Apparatenbouw has been delivering top-quality products to fully satisfied customers all over the world.

Since August 2003 Naaykens has been certified according to the ISO9001:2000 standard.

(certificate-number: QSC 438)



It goes without saying that our mechanics are certified on VCA-level (safety).



Delivery program

- Exhaust installations
- Filter installations
- Axial- and centrifugal fans
- Industrial ventilation
- Compressed air-cleaned filters
- Cyclones
- Pneumatic conveying
- Paint-spraying booths
- Grit blasting extractions
- Cleaning installations for product recycling
- Central dust extracting systems
- Air ducting
- Plate fabrication
- Valves
- Silencers
- Maintenance and support

Versatility in industrial pneumatic applications

Stainless steel silencer with slidable, cleanable splitters for the food industry.
Capacity: 126,000 m³/h.
Sound demand: 45 dB(A). >

Mounting of the outlet silencer on the roof.



Wet dust collector erected in an exhaust installation for cigar tobacco dust. Capacity: 17,200 m³/h. >



Sound isolating enclosure with fan B 542 to meet the sound demand of 55 dB(A) at 1 meter.

