

STAFIL®



**ILT Industrie-
Luftfiltertechnik**



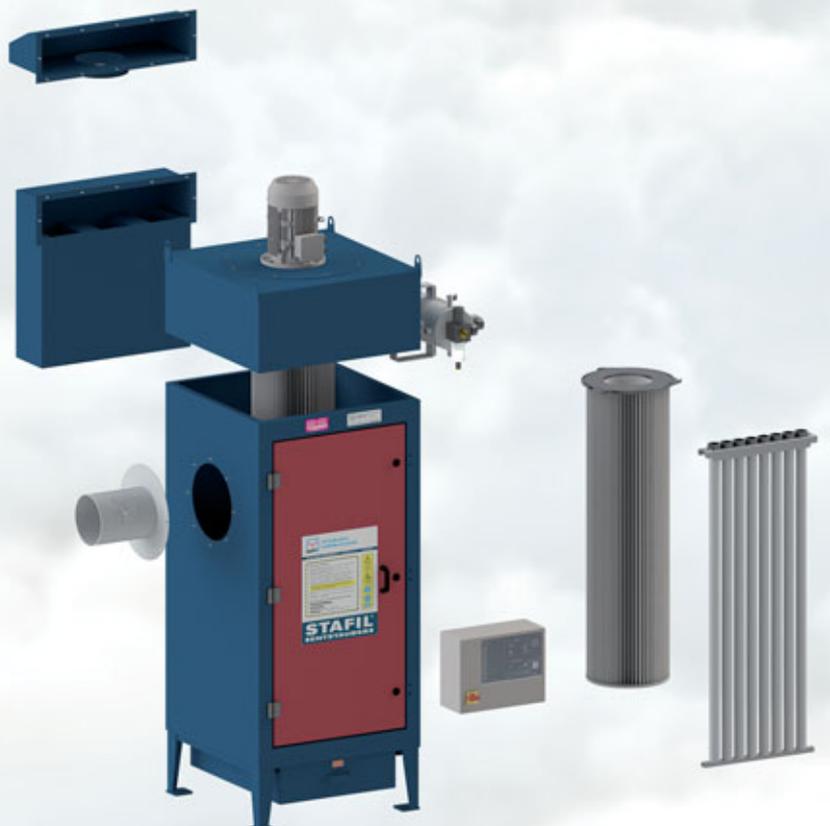
READY TO PLUG-IN: STAFIL 1SV20

COMPACT DESIGN AND IMMEDIATELY READY FOR OPERATION.

EASY HANDLING AND OPERATION WITH AUTOMATIC CLEANING. IDEALLY SUITABLE FOR MANUAL WORKPLACES OR MACHINES WITH DISCONTINUED DUST LEVELS. AVAILABLE IN STATIONARY OR MOBILE DESIGN WITH DIFFERENT COLLECTION ELEMENTS.

MODULAR DESIGN MD

MODULAR DESIGN: FLEXIBLE AND TO BE EQUIPPED WITH DIFFERENT FILTER ELEMENTS. WITH THE TUBE TECHNOLOGY EVEN VERY FINE HOMOGENOUS DUSTS (E.G. LASER SMOKE) CAN EFFICIENTLY BE SEPARATED. FOR THE MOST DIFFERENT CASES OF APPLICATION.



SMALL SET UP AREA, TROUBLE-FREE PERMANENT OPERATION AND STRONG SUCTION PERFORMANCE THANKS TO DIFFERENT FILTER ELEMENTS ALSO APPLICABLE FOR PROBLEMATIC DUSTS. RELIABLE SEPARATION AND DUST RETRIEVAL.

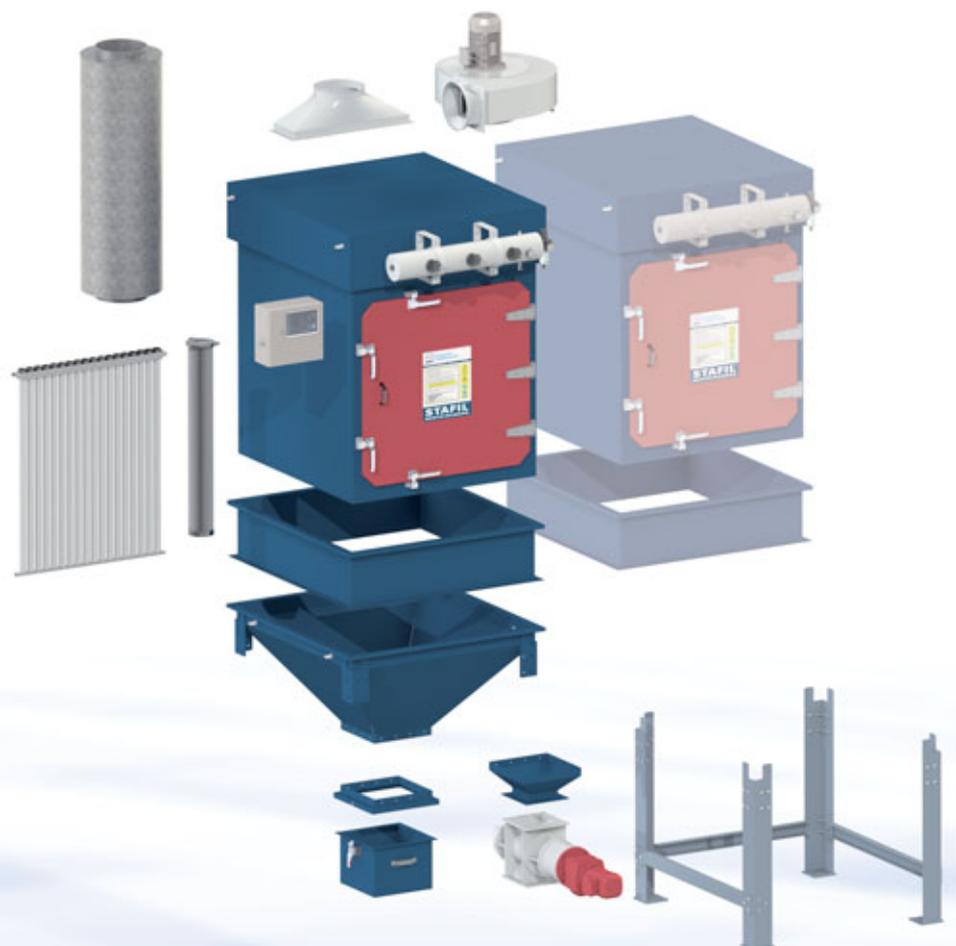
STAFIL Dedusting Devices

The most suitable concept for every kind of dust: Economically and technically.

STAFIL are filtering separators based on the modular ILT design: This way, solutions for a variety of application cases and dusts are cost-effectively realized. Thanks to the thought-out construction all devices can easily be operated and be maintained. The raw gas conduct in the filter chamber guarantees that the admission of filter elements is carried out equally and the filter surface is best made use of. Automatically controlled compressed-air impulses carry out the cleaning of the filter elements: Dust particles are split off from the filter surface by means of compressed-air. STAFIL can be adapted budget-friendly at any time. If a case of application should change, for example due to the fact that the production process is amended, the connection of further filter chambers or other dust collection systems (rotary airlock, screw conveyor, Big-Pack) is possible.

MODULAR DESIGN MD

THE MODULAR DESIGN: EXTENDABLE AND ESPECIALLY POWERFUL. FOR HIGH AIRFLOW REQUIREMENTS AND HUGE AMOUNTS OF DUST.



FLEXIBLE INSTALLATION, RELIABLE CONTINUOUS OPERATION AND HIGH AIRFLOWS. THIS IS WHAT THE MODULAR DESIGN MD IS CHARACTERIZED BY. THANKS TO DIFFERENT FILTER ELEMENTS EVEN SEPARATION OF PROBLEMATIC DUSTS IS POSSIBLE. FLEXIBLE DUST COLLECTION AND DISCHARGE SYSTEMS ARE EVEN CAPABLE OF HUGE AMOUNTS OF DUST.



Low operating cost

The automatic control of the filtration perfectly adapted to the case of application ensures lower compressed-air consumption than with comparable systems. By means of tube technology energy is saved because compared to the utilization of filter cartridges with low ventilator performance more dust can efficiently be separated. Thanks to the SaveVent principle the energy saving regulations stipulated in the EU regulation 327/2011 are fulfilled.

Investment safety

Thanks to the modular design STAFIL can be adapted to the most different cases of application: even after the first commissioning this is also possible at a later stage. In case the production methods change, if larger amounts of dust should occur or if higher suction volumes should become necessary, STAFIL can be cost-effectively extended modularly or be changed.

Your benefit with STAFIL:

Robust, efficient and highly economic.

Flow-optimized design ECO and ATEX

In STAFIL the polluted air is optimized regarding its flow in a way that the filter elements are evenly impinged. A slow-down zone ensures efficient utilization of the filter surface. Despite the high suction performance this is done with downright low energy consumption. Due to the fact that the ventilator unit is situated on the clean gas side STAFIL is also ATEX-compatible.

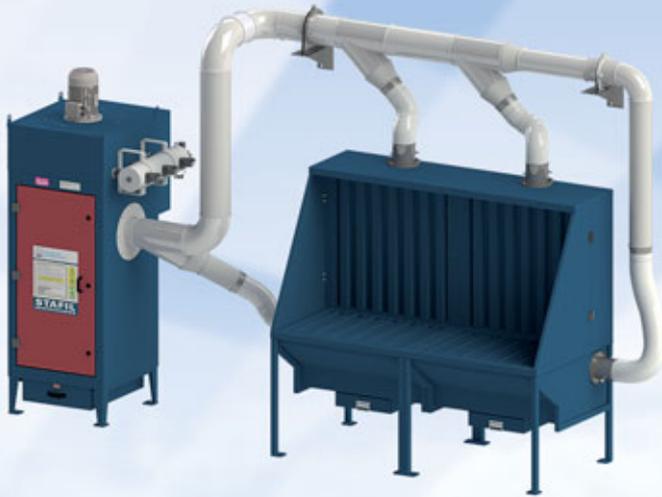
Continuous operation, easy maintenance

STAFIL offers continuous airflow and does not require regeneration times. With an automatic cleaning up via compressed-air impulses led to the filter elements by means of injectors dirt and dust particles are split off from the filter surface. Thanks to easy to handle dust collection systems the separated dust may either be disposed off or be recycled.

Safety by tube technology even in case of problematic dusts

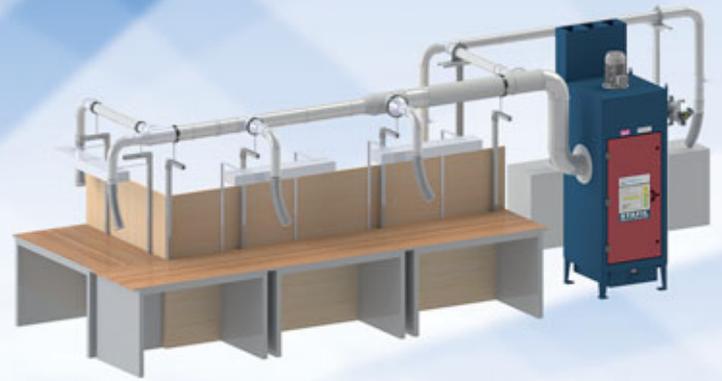
STAFIL can optionally be equipped with filter cartridges or filter tubes. As mere surface filters filter tubes offer long service life with extremely low amounts of fine dust thus reducing the fire load thanks to the elimination of large filter cakes. Retrofitting is also possible after the initial installation.

Like all air pollution control systems by ILT STAFIL is applied in direct suction: The polluted air is collected directly in the place of formation. Thanks to the modular design the devices are optimally suited for this purpose. STAFIL may be installed inside or outside of production halls and there is a vast choice of collection systems. The robustly constructed design of STAFIL is made for permanent operation in industrial surroundings and is extremely long-living. For special applications as for example in food industries STAFIL is also available in stainless steel.



TYPE 1SXV40

with suction table for the removal of dust during the deburring of cast parts



TYPE 1SXV40

with sound absorber for the collection of fine dust for the treatment of smaller workpieces in manual workplaces



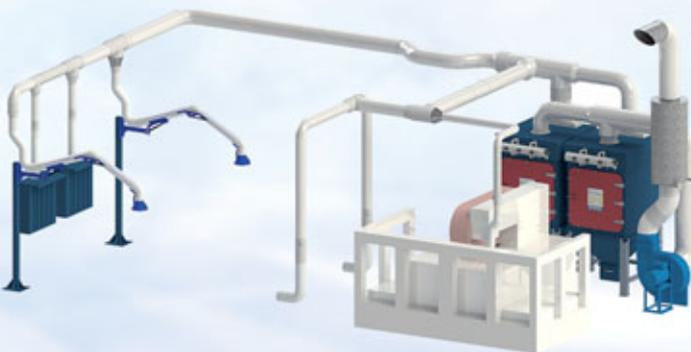
TYPE 1SXV67

with rotary airlock for continuous discharge of huge dust amounts



TYPE 1SXV50

for the evacuation of a laser cell in the automotive field: laser smoke is efficiently removed by means of electronically controlled valves



TYPE 2SXV67

on an abrasive band grinding machine and two manual workplaces



TYPE 3SXV84

as central suction system with high suction performance and continuous discharge of dust in Big-Packs

STAFIL is flexible:

For every case of application a special type of appliance is available.

STAFIL DEDUSTING DEVICES | EXCERPT FROM THE TYPE LIST

Type	Ventilator performance	Suction performance/ nominal air stream	Filter surface	ECO/HEPA/ Modular/Reuse Tube/Mobile	Oil dust/ emulsion mist/ smoke/dust/ special applications
1S.V20 PT (Cartridge)	1 600 m ³ /h	1 200 m ³ /h	7.80 m ²	■ / □ ¹ / □ / □ ² / □ / ■	□ / □ / □ ³ / ■ / ■
MD 1SXV40 FT (Tube)	3 000 m ³ /h	2 400 m ³ /h	8.16 m ²	■ / □ ¹ / □ ⁴ / □ ² / ■ / □ ⁵	□ / □ / □ ³ / ■ / ■
MD 1SXV40 PT (Cartridge)	3 000 m ³ /h	2 400 m ³ /h	15.60 m ²	■ / □ ¹ / □ ⁴ / □ ² / □ / □ ⁵	□ / □ / □ ³ / ■ / ■
MD 1SXV50 FT (Tube)	4 000 m ³ /h	3 000 m ³ /h	13.70 m ²	■ / □ ¹ / □ ⁴ / □ ³ / ■ / □	□ / □ / □ ³ / ■ / ■
MD 1SXV50 PT (Cartridge)	4 000 m ³ /h	3 000 m ³ /h	43.20 m ²	■ / □ ¹ / □ ⁴ / □ ³ / □ / □	□ / □ / □ ³ / ■ / ■
MD 1SXV67 FT (Tube)	5 000 m ³ /h	4 000 m ³ /h	18.30 m ²	■ / □ ¹ / □ ⁴ / □ ³ / ■ / □	□ / □ / □ ³ / ■ / ■
MD 1SXV67 PT (Cartridge)	5 000 m ³ /h	4 000 m ³ /h	43.20 m ²	■ / □ ¹ / □ ⁴ / □ ³ / □ / □	□ / □ / □ ³ / ■ / ■
MD 1SXV84 FT (Tube)	6 000 m ³ /h	5 000 m ³ /h	18.30 m ²	■ / □ ¹ / □ ⁴ / □ ³ / ■ / □	□ / □ / □ ³ / ■ / ■
MD 1SXV84 PT (Cartridge)	6 000 m ³ /h	5 000 m ³ /h	51.60 m ²	■ / □ ¹ / □ ⁴ / □ ³ / □ / □	□ / □ / □ ³ / ■ / ■

■ = available □ = not available □ = partly available

Types with higher suction performance and / or larger filter surface upon request
Types without ventilator unit for installation in existing airflow systems on demand

¹ Fully flexible retrofitting with H13 filtration is possible as far as requested for the case of application; tubes/cartridges as standard:

Dust class "M", maximum flow degree <0.1 % (for AGW ≥ 0.1 mg/m³)

² Reuse: Longlife high efficiency filter inserts (standard: dust class "M" – may be washed if necessary)

³ Dry smoke is completely cleaned

⁴ Modular Design: Installation and rebuilding within the series (e.g. retrofitting into tubes)

⁵ Suitable for partly mobile utilization





**ILT Industrie-
Luftfiltertechnik**

ILT Industrie-Luftfiltertechnik GmbH

P.O. Box 1130 | 53805 Ruppichteroth (Germany)
Sonnenhang 40 | 53809 Ruppichteroth (Germany)

Phone +49 (0) 22 95/92 1 - 0
Fax +49 (0) 22 95/66 20

info@ilt.eu
www.ilt.eu

06STA200500-44 EN 17:11 © ILT GmbH, Ruppichteroth. | The ILT-Logo and the following trademarks are registered trademarks of ILT GmbH in Germany and other countries: ELOFIL, UNIFIL, KOMBIFIL, CLAROFIL, ROTAFIL, MOBIFIL, LUBRIFIL, PORTAFIL, STAFIL, ILT Industrie-Luftfiltertechnik, ILT Filpatrol, FILcommand, FILconcept. This list is updated from time to time. Failure by ILT to list a particular ILT trademark or offering name is not a waiver of any rights reserved by that trademark.