

System solutions for a clean and safe infrastructure.

**Odor filters, protection against extraneous water during heavy rainfall and grid coverings:
COALSI supports municipalities, industry, planners
and operators in their everyday work.**

Odor filters

COALSI filters unpleasant odors where they originate — reliably, with low maintenance, and in an environmentally friendly manner.

Protection during heavy rainfall

COALSI protects against the seepage of extraneous water into the sewer.

Grid coverings

Smart alternatives for grating that are slip-resistant, odor-proof and easy to retrofit





The future needs clean solutions.

COALSI stands for practical products in the areas of odor filters, protection against heavy rain and grid coverings — especially for wastewater systems, sewage treatment plants, municipalities and infrastructure projects. Our solutions convince with their reliability, durability and ease of use.

As a partner to municipalities, planning offices, building yards, service providers and industry, we know what matters: technology that works, uncomplicated installation and service that goes beyond delivery. In this brochure, we present our range of products with application examples, technical data and practical tips.

COALSI – For clean air, satisfied users and a clean future.

Why COALSI?

Quality made in Germany

Every component is 100% manufactured in Germany and meets the highest standards of reliability and durability.

Sustainable and efficient

50% of our filter bodies are made from recycled material, thus conserving resources and protecting the environment.

Huge filter surface area

Despite its compact size, a filter mat with a diameter of 443 mm and a height of 42.5 mm offers a reaction surface area equivalent to around 110 soccer fields (785,465 m²).

Find what you need with ease.

The first few pages provide an overview of our products, their applications and advantages.

You will find all technical data at the end of the brochure in detail. Compact and clearly organized.

Filter technology	4-5
Exhaust air filters in ducts	6-7
Exhaust air technology – multi-chamber filters	8-11
Exhaust air technology – wall cassettes	12-13
Exhaust air technology – block filters	14-15
External water shut-off	16-17
Shaft technology	18-19
Special solutions & service	20-21
Technical data	22-31
Contact information	32

Activated carbon:
the environmentally
friendly, effective filter
material that is easily
disposable of.

The advantages

- High adsorption capacity thanks to the porous structure of the activated carbon – acts like a sponge and filters odors sustainably and effectively.
- High filter performance with low back pressure and long service life.
- No clogging due to sagging or unevenly distributed filter material.
- No blockages due to external influences such as sand or suspended solids.
- Reliable filter performance without risk of corrosion or odor transfer
- Maintenance-free: no cleaning, rinsing, or re-wetting required
- Mats can be easily disposed of in household waste (waste code AVV 200301)

COALSI Filter technology

Triple filtration

A combination of biological, chemical and physical processes makes our activated carbon filter mats so powerful and durable.



- Chemically effective
- Physically efficient
- Biologically active

Huge filter area

Despite its compact size, a filter mat with a diameter of 443 mm and a height of 42.5 mm offers a reaction area equivalent to approximately **110 soccer fields** (785,465 m²).

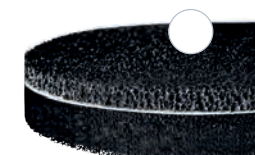


Filter mat and siphon An unbeatable team

The integrated siphon fulfills a dual function: it acts as a reliable odor barrier and at the same time protects the filter mat from moisture.

Malodorous gases are directed through the activated carbon mat to prevent their escape and neutralize their effect. At the same time, the siphon prevents condensation or precipitation water from coming into direct contact with the filter mat, which remains dry, clean and fully functional at all times.

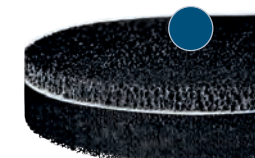
This ensures consistently high filter performance, long service life and virtually maintenance-free operation.



Hybrid mat

Broadband filter for a wide range of odors.

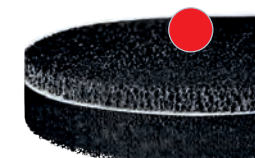
→ The all-round solution for complex pollution



H₂S mat

Specially designed for the adsorption of hydrogen sulfide.

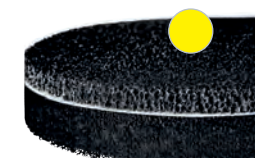
→ Ideal for exhaust air contaminated with foul-smelling gas



Alkaline mat

Specifically targets strong-smelling alkalis and amines.

→ For pH values above 7



Acid mat

Neutralizes acidic vapors and gases.

→ Ideal for pH values below 7

Depending on the location of use, specially tailored filter mats are employed.

→ The right solution for almost every problem.

Our filters
allow the duct
to breathe, thus
protecting it from
corrosion.

COALSI street filter

- No clogging of filters by particles or suspended solids – low maintenance
- Effective odor barrier with unrestricted drainage volume (DIN 1986-100)
- No re-watering – reliable operation even during prolonged dry periods
- No cleaning or rinsing required
- Quick, secure installation – tool-free and uncomplicated
- Full wastewater absorption despite integrated odor barrier
- Sewer cleaning possible without removing the base body; only the leaf trap and mat need to be removed
- Provides additional protection against insects. The street filter prevents small flies and other sewer insects from escaping into the open air.



Street filter

Winner of ICT product test

(www.ikt.de/warentest/ikt-warentest-geruchsfILTER)

The odor filter for the street sewer can be individually adapted to all common mixing and separation systems.



Special shapes possible:
The Street filter "DUO" is pre-equipped with 3 filter mats and is ready for immediate use.



Street drain filter

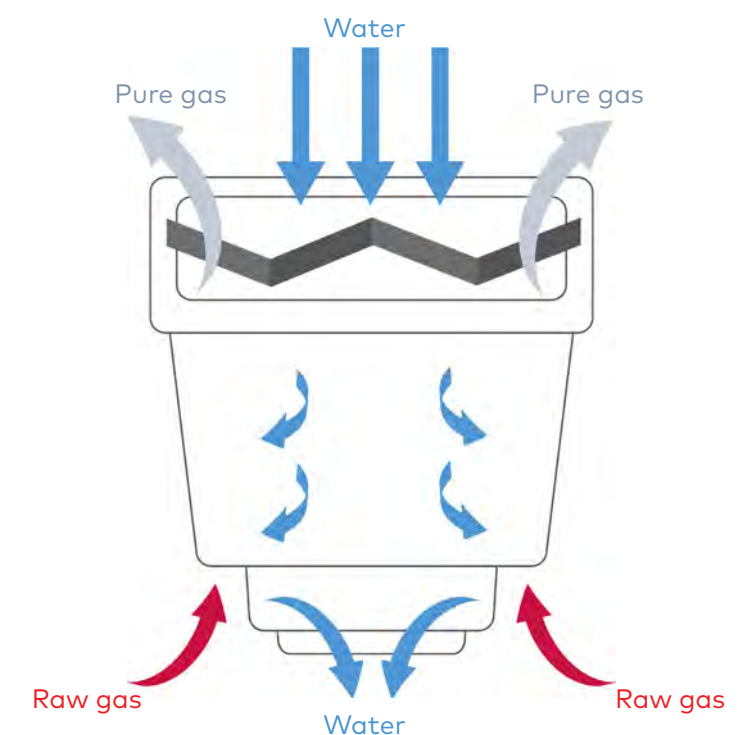
Filters odorous gases from the side drain.

Prevents odors from escaping from all standard sewer manholes and also allows foreign water to flow into the sewer without any problems.



The siphon acts as an odor barrier and prevents gases from flowing freely past the mat.

The water flows past the filter, keeping the activated carbon mat clean and dry.





COALSI multi-chamber filter

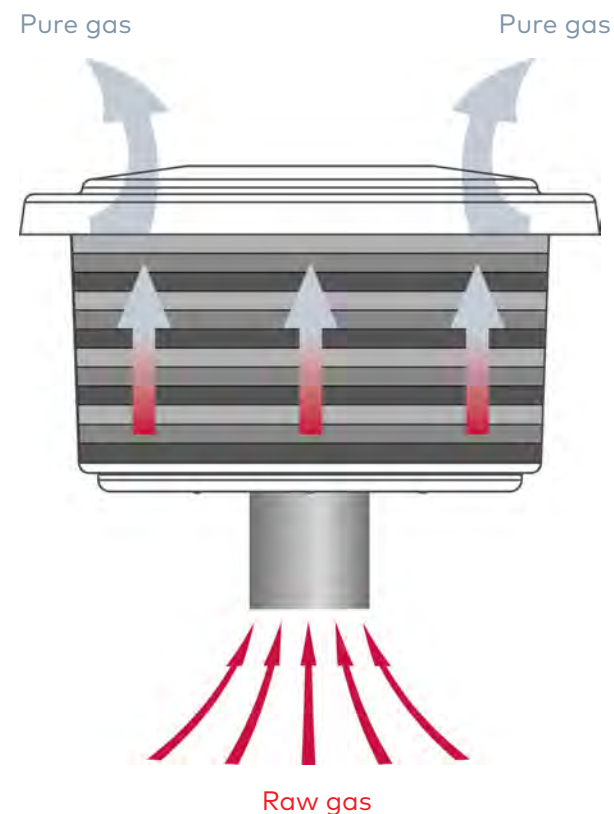
Effective remedy for increased odor pollution from exhaust air systems – available as pipe end and pipe intermediate filters

The multi-chamber filter is a powerful solution in areas with increased odor

pollution from exhaust air systems. The odorous gases are passed through hybrid activated carbon filters. The systems can be operated actively, passively, in series, or in parallel, depending on requirements, thanks to the modular design of the filter elements.

Typical areas of application

- Heavily loaded sewer sections
- Pumping stations and grease separators
- Paper and pulp industry
- Milk processing and dairies
- Breweries and beverage companies
- Meat processing and slaughterhouses
- Fruit, vegetable and produce processing
- Commercial kitchens
- Sewage treatment plants and wastewater facilities
- Chemical and pharmaceutical industry
- Composting and biogas plants
- Animal feed production
- Textile and leather industry
- Cold storage facilities with organic residues
- Facilities with moisture-related odor emissions
- Storage tanks



The advantages

- Pressure shock resistant
- Compact and powerful
- Adjustable to volume flow
- Can be equipped with 4 to 8 filter mats
- Safe and easy to use
- Maximum service life
- Easy installation and uncomplicated filter replacement
- Individually adaptable thanks to special mats for acids, bases, or hydrogen sulfide
- Can be used as a pipe end or pipe intermediate filter
- Diffusion-open gas exchange



pass filter



pipe end filter installed on the roof



triple filter at the pumping station



filters installed in the building to save space



pipe end filter



double pipe end filter



pipe end filter

Flexible to
combine and expand
thanks to modular
system.

Clean air with system: The COALSI multi-chamber filter

The COALSI multi-chamber filter offers a reliable solution for industrial exhaust air systems with high odor pollution. Its sophisticated modular system allows flexible adaptation to different operating conditions—whether active, passive, or in combination. Thanks to innovative hybrid filter technology and modular design, the system impresses with its performance, durability and easy maintenance.

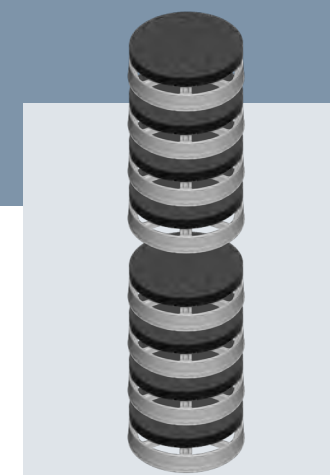


Base body
UT30115

■ The base body is made of high-quality PEHD plastic with 50% recycled content. It is corrosion-free and compact, while impressing with its lightweight and mechanically highly resilient design.

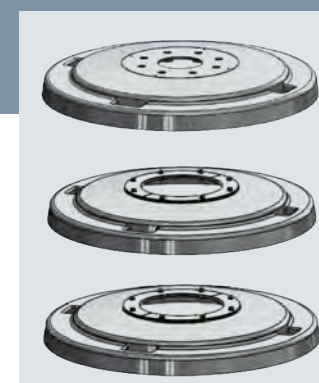
The sophisticated modular system of the COALSI multi-chamber filter allows for configuration tailored to your needs: individual modules can be freely combined with each other – from compact passive 4-chamber filters to powerful variants with up to 8 active filter elements.

Easy-to-install add-on parts allow the filter to be expanded or adapted to changing requirements at any time. The result is a customized filter system that grows with your needs – efficient, modular and future-proof.



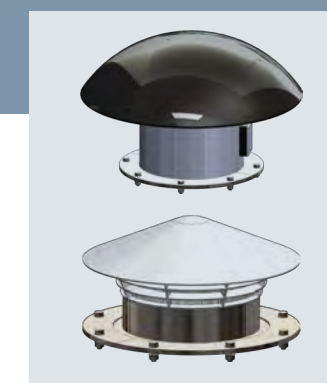
Filter elements
UT30005 +
UT30050

■ The activated carbon filter mat rests on a siphon support, ensuring that it always remains dry. This guarantees optimum adsorption performance and a particularly long service life. Available with 4 or 8 filter elements.



Cover
UT30119
UT30123
UT30027

■ The end-of-line cover securely closes the filter at the end of the pipe.
■ The mid-line cover allows the filter to be installed between two pipe sections.
■ The fan cover allows for expansion with a fan.



Fan
UT30014
UT30133

■ The optional fan provides targeted airflow when needed. Active suction efficiently directs the exhaust air through the filter system.



Extension
UT30132
UT30051

■ The base unit can be expanded from four to up to eight filters using a modular extension. Ideal for additional air volume or increased odor pollution.

High-performance product variants



passive design
end section with 4 filter elements



passive design
center strand with 4 filter elements



active design
end section with 4 filter elements



passive design
end section with 8 filter elements



passive design
center strand with 8 filter elements



active design
end section with 8 filter elements

COALSI Wall cassettes

COALSI wall cassettes are the reliable solution for all areas where unpleasant exhaust air odors arise—such as in sewage treatment plants, pumping stations,

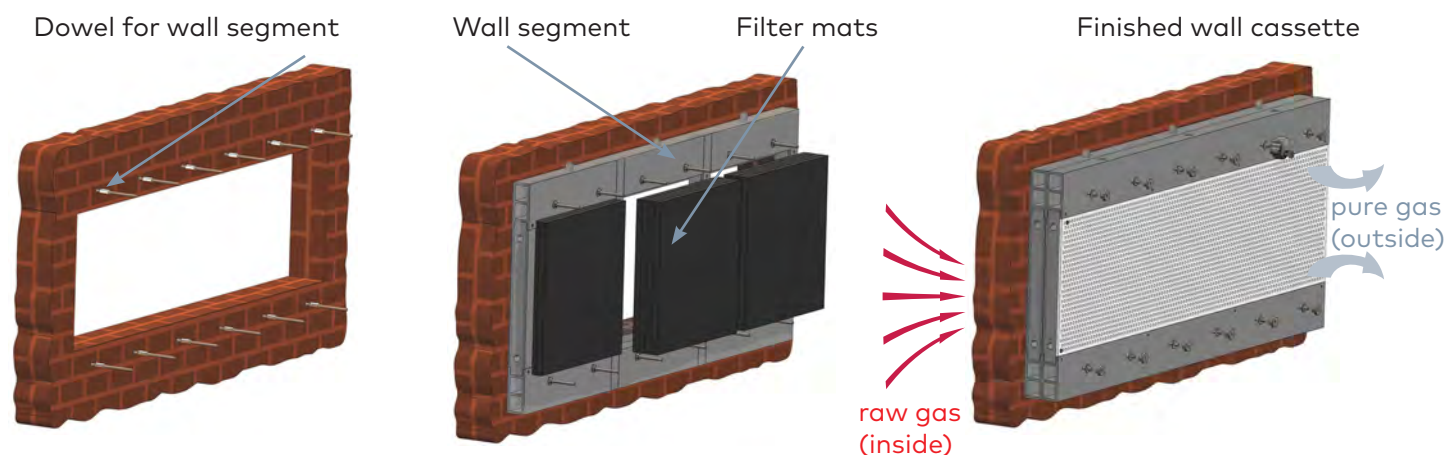
screening buildings, food processing, or catering. They efficiently filter unpleasant odors from the exhaust air and thus contribute significantly to a clean, odor-free environment.

Flexible, compact, immediately effective. The cassettes can be retrofitted in a

space-saving and modular manner to almost all existing air and ventilation openings – without the need for costly conversion work. Installation is simple and odor retention begins immediately after installation.

Whether for retrofitting or as part of new systems, COALSI wall cassettes improve air quality wherever people, technology, or sensitive processes need to be protected.

Installation is usually carried out from the inside, but can also be done from the outside.



Slide wall segment onto screw connections

The wall segment is placed precisely on the prepared screw connection points—quickly and easily without special tools. A sealing tape compensates for any unevenness on the wall.

Press the filter mats into the segments

The COALSI filter mats can be inserted into the retaining segments without tools – for a secure and tight fit.

Screw on the cover segment

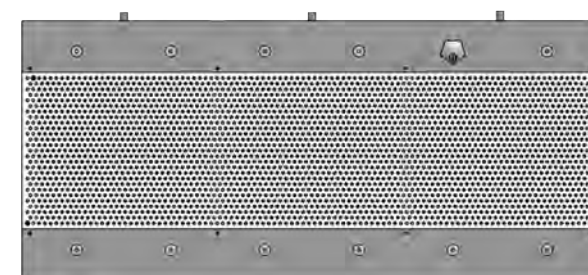
Finally, the cover segment is placed on top and fixed in place in just a few simple steps – the odor filter is immediately ready for use.

The advantages

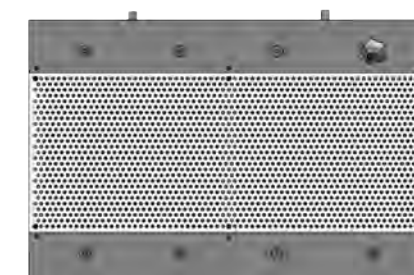
- Immediate odor neutralization
Unpleasant odors are reliably and directly eliminated.
- Easy installation - Space-saving wall mounting - no building permits required. Filter can be changed without tools.
- Flexible application – Suitable for square and round exhaust air openings.
- Modular expandability – Available in three sizes and can be combined as desired – suitable for any exhaust air system.
- Proven COALSI filter technology
High efficiency thanks to filter mats that have been tried and tested over many years.

The segments can be combined both side by side and on top of each other.

Vandalism protection secured with a lockable star knob, designed for safe use in public spaces.



3-piece segment
Width: 151.55 cm
Height: 67.9 cm



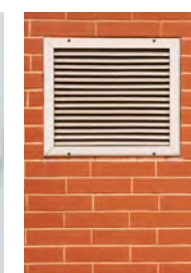
2-piece segment
Width: 67.9 cm
Height: 67.9 cm



1-piece segment
Width: 53.25 cm
Height: 67.9 cm

Typical areas of application

- Butcher shops
- Snack bars and barbecue restaurants
- Catering
- Garbage and waste collection points
- Biogas plants
- and much more



In the event of particularly heavy loads, several block filters can be connected in series

Advantages

- **Compact & powerful**
Efficient filter performance with a footprint of only 0.8 m².
- **Modular & easy to maintain**
All components can be completely disassembled, cleaned and reinstalled.
- **Durable & robust**
Made of corrosion-resistant PE-HD plastic – ideal for continuous use.
- **Minimal maintenance**
Long service life reduces service and operating costs.
- **Quick installation**
Filter stages are easily assembled using plug connections – no special tools required.
- **Easy to transport**
Compact design with a total weight of only approx. 160 kg.



Flexibly expandable

The basic version of the block filter system is designed to be purely passive—it operates without a power connection and offers low-maintenance, reliable odor neutralization.

The system can be expanded in a modular fashion for more demanding applications.

COALSI Block filter system

A powerful solution for strong odors
In sewage treatment plants, biogas plants and other facilities, the decomposition of organic matter produces unpleasant and sometimes harmful odors.

The COALSI block filter system provides a remedy: it cleans up to 800 m³ of exhaust air per hour and neutralizes odors almost completely – efficiently, compactly and with low maintenance.

At its heart: our COALSI activated carbon filters with triple filtration. Five layers, each with two mats, ensure optimal flow distribution and maximum filter performance.

Filter change?
Simply pull it out and replace it – done.

All components are corrosion-resistant and designed for durability.

passive

Basic configuration: "passive" without active air intake

In the passive version, the odor-laden air flows through the filter without any additional technology. Cleaning is carried out solely by natural air flow, which makes handling particularly easy and low-maintenance.



Option 2: "Fan" Active air intake

An integrated fan with control and compressor ensures the targeted intake of odorous air. The unit is simply connected to the power supply, enabling even more efficient filter performance.



Option 3: "UV ozone" UV/ozone technology

An additional UV/ozone lamp including a control unit increases the effect against odor-forming substances and ensures thorough neutralization – ideal for particularly strong odors.

The advantages

- **Low investment costs:**
economical solution with fast amortization.
- **Reliable external water shut-off:**
effectively protects against unwanted water ingress.
- **Quick installation & easy handling:**
saves time and reduces installation effort.
- **Reduced treatment costs:**
permanently relieves the sewage system.
- **Lightweight, compact and robust:**
easy integration even in confined spaces.
- **High-quality workmanship:**
consistently high quality thanks to strict controls.
- **Practical variant:**
An Aquastop with retention and removable leaf trap—reliably protects against blockages caused by leaves and coarse dirt.

COALSI Aquastop



Aquastop as an emergency shut-off valve

Quick safety in an emergency.

In the event of accidents or leaks, Aquastop prevents harmful substances such as oil or fuel from entering the sewer system. The sewer is immediately shut off, the substances are collected and later disposed of in an environmentally friendly manner – without any technology or cleaning.



Aquastop as an odor trap

Fresh air without construction work.

Aquastop is ideal for temporarily sealing disused or little-used sewer sections. It reliably prevents unpleasant odors from escaping, protects against backflow and foreign water and thus ensures hygienic conditions – for example, during renovations or maintenance work.



Aquastop as sound insulation

Keep things quiet in the sewer too.

Aquastop effectively reduces flow and gurgling noises in sewer pipes. The flexible, tightly sealing design keeps the sound in the pipe – without any structural changes.



Protects the sewer from overflow and reduces treatment costs.



Aquastop - Emergency closure

Quick full closure during heavy rainfall. The Aquastop (without retention) completely closes the sewer and permanently prevents surface water from entering. Ideal for temporary use during heavy rainfall events – to protect the sewer system from overload and contamination.

Very well suited for emergencies – protects the sewer from leaking fuels, chemicals, acids, or alkalis!



Aquastop with retention (R)

The integrated float system of the Aquastop with retention reliably prevents foreign water from entering the sewer. In the event of backwater or water ingress, the float automatically rises and closes the drain – the sewer remains protected. Afterwards, 1.2 l of the dammed water flows into the sewer system in a controlled manner every minute.



Note on ventilation:

Please ensure adequate ventilation of the duct system, e.g., by using COALSI-Street filters in adjacent shafts.



The flexible
alternative to
grating - gas-tight
if required.

COALSI FlexiGrid



Shaft to be covered



Cutting the panels to size



Easy to correct



Cutting the struts to size



Tool-free installation



Closed shaft

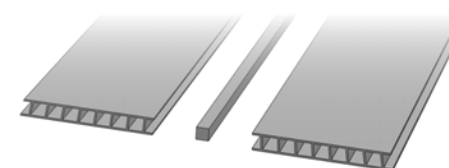
The COALSI FlexiGrid is the intelligent alternative to classic grating covers. An innovative plug-in system revolutionizes the installation of shaft covers by enabling tool-free installation.

Shafts can be completely covered, preventing unpleasant odors and the ingress of rainwater. The flexibility of the system is also evident in the possibility of replacing intermediate plates and adapting the cover to individual requirements.

Advantages

- Easy adjustment thanks to modular plug-in system: can be easily dismantled at any time
- Prevents rainwater ingress
- No metal – versatile use
- Corrosion-free
- Load capacity min. 250 kg
- Modular design for adaptation to individual requirements
- COALSI odor filters can be easily integrated
- Also available in a non-slip version (R13)

Made from robust, weather-resistant and antistatic plastic, FlexiGrid is a modular and customizable alternative to traditional grating covers.



Base grid with individually selectable filter inserts, including special plates for COALSI filters.

- UV-resistant
- Antistatic
- Acid and alkali resistant
- Temperature resistant
- Food safe

Typical areas of application



Before



After

FlexiGrid as a corrosion-free alternative



Before



After

FlexiGrid as a gas- and odor-tight cover

Customized solutions for your challenges

Do you have special requirements? Problems with exhaust air, shaft covers, or unusual channel openings?



At COALSI, quality does not end with the product. We support you from planning and installation to maintenance – so that your investment is protected in the long

term and runs smoothly. Our service minimizes the effort required by your teams and adapts flexibly to your individual requirements.

Special solutions



Multiple chamber filter
"Antlers"

For years, the BBS II pumping station in Emden caused considerable odor nuisance, which particularly disturbed schoolchildren, teachers and the neighboring sports club. Previous measures, such as a tall stainless steel chimney, were not sufficiently successful.

The city of Emden therefore opted for COALSI multi-chamber filters. Two compact filters with passive ventilation were installed on the chimney via a specially manufactured T-piece and have since ensured effective odor neutralization, even with high air volumes and H₂S loads.



Munich
Street drain filters

The street drains in a district of Munich have a special format, which meant that street drain filters designed for conventional DIN sizes could not be installed flush.

Once the problem had been identified, our experts took measurements and developed a base body, built tools, recorded the dimensions in CAD and used this information to develop a custom-fit product.



Street filter
DUO

To eliminate strong odors from the sewer system, the city of Potsdam opted for the street filter from COALSI.

After an on-site assessment, the existing street filter was modified so that two bodies could be mounted one above the other. This allows four activated carbon filters and a siphon ring to be installed without adjusting the suspension, as the sturdy V2 stainless steel hooks can bear the additional weight. The solution successfully eliminated the odor pollution.

All-round peace of mind for your infrastructure

Our services at a glance:



Customized solutions & special designs: We develop tailor-made solutions for specific requirements or special challenges.



Assembly & commissioning: Professional installation of all products directly on site – ideal when you are short-staffed.



Reminder service & maintenance: Regular mat replacement and maintenance ensure predictable, reliable processes.



Predictability: Transparent costs, fixed deadlines and structured processes make your projects stress-free.

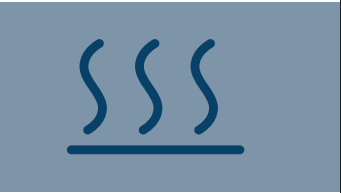
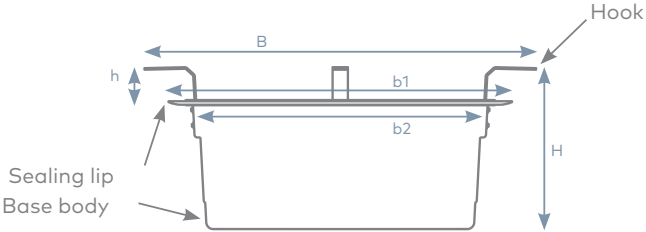


Investment protection: We ensure the longevity of your systems and protect the value of your infrastructure.



On-site support: COALSI visits, takes care of the work and makes sure everything works—reliably and without complications.

Technical data



Street filter

UT30090
Street filter „DK“ 315

max. load 80 kg

Suitable for shafts with a diameter between 280 mm und 300 mm.

Für 2 Filter matn (Ø 175 mm).

Height, installation depth (H)	323 mm
Distance between hook and sealing lip (h)	62 mm
Diameter including hook (B)	306 mm
Diameter including sealing lip (b1)	306 mm
Diameter of base body (b2)	257 mm
Total weight	2.8 kg
Base body material	PEHD plastic made from 50% recycled material
Hook material	stainless steel

UT30100
Street filter „DK“ 425

max. load 80 kg

Suitable for shafts with a diameter between 360 mm and 400 mm.

For 2 Filter mats (Ø 175 mm).

Height, installation depth (H)	335 mm
Distance between hook and sealing lip (h)	62.8 mm
Diameter including hook (B)	406 mm
Diameter including sealing lip (b1)	406 mm
Diameter of base body (b2)	325 mm
Total weight	3.5 kg
Base body material	PEHD plastic made from 50% recycled material
Hook material	stainless steel

UT30110
Street filter „DK 3“

max. load 80 kg

Suitable for shafts with a diameter between 592 mm and 640 mm.

For 1 filter mat (Ø 385 mm).

Height, installation depth (H)	292 mm
Distance between hook and sealing lip (h)	72 mm
Diameter including hook (B)	647 mm
Diameter including sealing lip (b1)	647 mm
Diameter of base body (b2)	580 mm
Total weight	6.7 kg
Base body material	PEHD plastic made from 50% recycled material
Hook material	stainless steel

UT30126
Street filter „NO 3“

max. load 80 kg

Suitable for shafts with a diameter between 582 mm and 640 mm.

For 1 filter mat (Ø 385 mm).

Height, installation depth (H)	292 mm
Distance between hook and sealing lip (h)	72 mm
Diameter including hook (B)	647 mm
Diameter including sealing lip (b1)	647 mm
Diameter of base body (b2)	580 mm
Total weight	7.4 kg
Base body material	PEHD plastic made from 50% recycled material
Hook material	stainless steel

Street filter

UT30131
Street filter „CH 2“

max. load 80 kg

Suitable for shafts with a diameter between 590 mm and 600 mm.

For 1 filter mat.

Height, installation depth (H)	286 mm
Distance between hook and sealing lip (h)	43 mm
Diameter including hook (B)	619 mm
Diameter including sealing lip (b1)	604 mm
Diameter of base body (b2)	586 mm
Total weight	5.7 kg
Base body material	PEHD plastic made from 50% recycled material
Hook material	stainless steel

UT30145
Street filter „OS“

max. load 80 kg

Suitable for shafts with a diameter between 592 mm and 640 mm.

For 1 filter mat.

Height, installation depth (H)	277 mm
Distance between hook and sealing lip (h)	20 mm
Diameter including hook (B)	657 mm
Diameter including sealing lip (b1)	631 mm
Diameter of base body (b2)	592 mm
Total weight	5.45 kg
Base body material	PEHD plastic made from 50% recycled material
Hook material	stainless steel

UT30146
Street filter „1S“

max. load 80 kg

Suitable for shafts with a diameter between 592 mm and 640 mm.

For 1 filter mat.

Height, installation depth (H)	277 mm
Distance between hook and sealing lip (h)	12 mm
Diameter including hook (B)	671 mm
Diameter including sealing lip (b1)	671 mm
Diameter of base body (b2)	592 mm
Total weight	5.65 kg
Base body material	PEHD plastic made from 50% recycled material
Hook material	stainless steel

UT30335
Street filter „DUO OS Set“

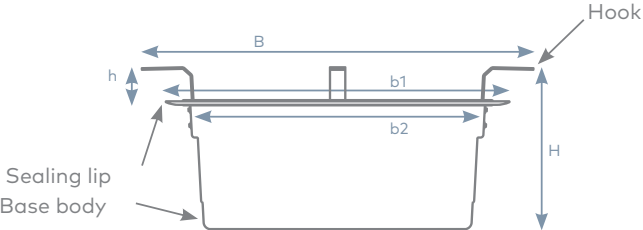
max. load 80 kg

Suitable for shafts with a diameter between 592 mm and 640 mm.

For 3 filter mats.

Height, installation depth (H)	406 mm
Distance between hook and sealing lip (h)	31 mm
Diameter including hook (B)	660 mm
Diameter including sealing lip (b1)	647 mm
Diameter of base body (b2)	584 mm
Total weight	10.2 kg
Base body material	PEHD plastic made from 50% recycled material
Hook material	stainless steel

Technical data



Road drain filter

UT30148
Road drain filter „20“ square

max. load 50 kg

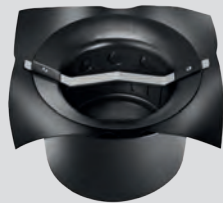


Suitable for side drains with square cross-sections.

Installation depth	313 mm
Length	395 mm
Width	270 mm
Total weight	3.4 kg
Compensation skirt material	EPDM
Base body material	PEHD plastic made from 50% recycled material
Hook material	stainless steel

UT30160
Road drain filter „10“ round

max. load 80 kg



Suitable for side drains with round cross-sections.

Installation depth	247 mm
Length	500 mm
Width	500 mm
Total weight	3.3 kg
Compensation skirt material	EPDM
Base body material	PEHD plastic made from 50% recycled material
Hook material	stainless steel

Aquastop



UT30067
Aquastop „R 3S“
with retention

max. load 80 kg



Suitable for shafts with a diameter between 592 mm and 640 mm.

Installation depth	259 mm
Diameter of base body	584 mm
Diameter including sealing lip	647 mm
Diameter including hook	654 mm
Distance between hook and sealing lip	32 mm
Total weight	3.3 kg
Base body material	PEHD plastic made from 50% recycled material

UT30070
Aquastop „3S“
without retention

max. load 80 kg



Suitable for shafts with a diameter between 592 mm and 640 mm.

Installation depth	171 mm
Diameter of base body	584 mm
Diameter including sealing lip	647 mm
Diameter including hook	654 mm
Distance between hook and sealing lip	32 mm
Total weight	3 kg
Base body material	PEHD plastic made from 50% recycled material

UT30075
Aquastop „R 3L“
with retention, deep version

max. load 80 kg



Suitable for shafts with a diameter between 592 mm and 640 mm.

Installation depth	289 mm
Diameter of base body	584 mm
Diameter including sealing lip	647 mm
Diameter including hook	654 mm
Distance between hook and sealing lip	62 mm
Total weight	3.3 kg
Base body material	PEHD plastic made from 50% recycled material

UT30076
Aquastop „3L“
without retention, deep version

max. load 80 kg



Suitable for shafts with a diameter between 592 mm and 640 mm.

Installation depth	197 mm
Diameter of base body	584 mm
Diameter including sealing lip	647 mm
Diameter including hook	654 mm
Distance between hook and sealing lip	62 mm
Total weight	3 kg
Base body material	PEHD plastic made from 50% recycled material

UT30285
Aquastop with dirt trap „R OS“
with retention & dirt trap

max. load 80 kg



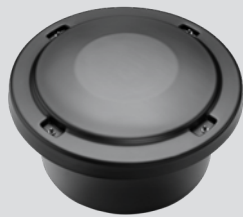
Suitable for shafts with a diameter between 592 mm and 640 mm.

Installation depth	327 mm
Diameter of base body	584 mm
Diameter including sealing lip	652 mm
Diameter including hook	652 mm
Distance between hook and sealing lip	31 mm
Total weight	5.2 kg
Base body material	PEHD plastic made from 50% recycled material



Multi-chamber filter

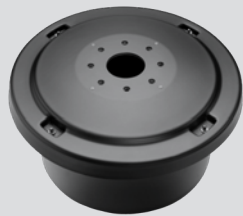
UT30120
multi-chamber filter
„EST passiv“



For installation in a ventilation end line

Diameter	616 mm
Height	345.8 mm
Required filter mats	4 pieces
Gas flow rate	max. 200m³/h
Weight without filter	10.6 kg

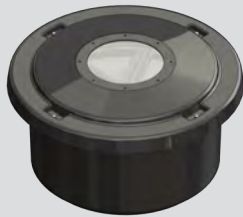
UT30122
multi-chamber filter
„MST“



For installation in a through-flow line

Diameter	616 mm
Height	334 mm
Required filter mats	4 pieces
Gas flow rate	max. 200m³/h
Weight without filter	10.6 kg

UT30035
multi-chamber filter
„EST aktiv“



For exhaust air operation with fan or hood

Diameter	616 mm
Height	334 mm
Required filter mats	4 pieces
Gas flow rate	max. 200m³/h
Weight without filter	15 kg

UT30037
multi-chamber filter
„ESTD aktiv“



For exhaust air operation with fan or hood

Diameter	630 mm
Height	842 mm
Required filter mats	8 pieces
Gas flow rate	max. 200m³/h
Weight without filter	25 kg

UT30124
multi-chamber filter
„MSTD“



For installation in a through-flow line

Diameter	630 mm
Height	596 mm
Required filter mats	8 pieces
Gas flow rate	max. 200m³/h
Weight without filter	20 kg



Multi-chamber filter accessories

506238
sealing ring



Weight	0,5 kg
Material	EPDM

UT30011
clamping ring



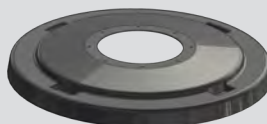
Ø	616 mm
Height	334 mm
Weight	1 kg
Material	stainless steel

UT30014
assembly kit
TH 500



Ø	616 mm
Height	334 mm
Weight	5.2 kg
Material	PE
sound pressure	49 dB max.

UT30027
cover for fan



Ø	616 mm
Height	334 mm
Weight	1 kg
Material	PE

UT30048
assembly kit
TH 800
explosion protection



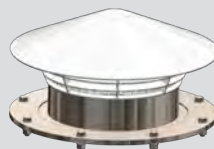
Ø	616 mm
Height	334 mm
Weight	7 kg
Material	Edelstahl
sound pressure	53 dB max.

UT30117
flange DN110
with pipe section DN 110



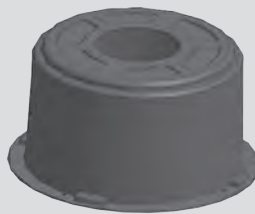
Ø	616 mm
Height	334 mm
Weight	1.4 kg
Material	PE

UT30133
assembly kit
exhaust hood



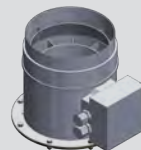
Ø	DN 160
Height	130 mm
Weight	2.3 kg
Material	stainless steel/ PE
sound pressure	0 dB

UT30132
cover for fan



Ø	616 mm
Height	334 mm
Weight	1.8 kg
Material	PE

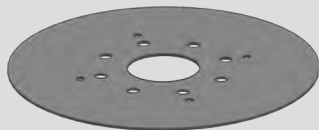
UT30036
assembly
kit TD 800



for installation in a through-flow line

Ø	616 mm
Height	334 mm
Weight	5 kg
Material	PE
sound pressure	53 dB max.

UT30172
support plate



Ø	616 mm
Height	334 mm
Weight	4.2 kg
Material	stainless steel



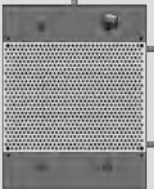
Wall cassettes

UT30289

wall cassette

1-piece segment

for 1 filter mat



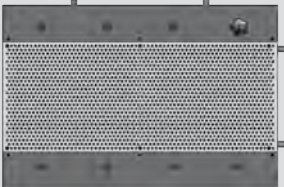
Width	533 mm
Height	680 mm
Depth	120 mm
Weight	11 kg
Material	PEHD plastic made from 50% recycled material
gas flow rate	200 m³/h

UT30290

wall cassette

2-piece segment

for 2 filter mats



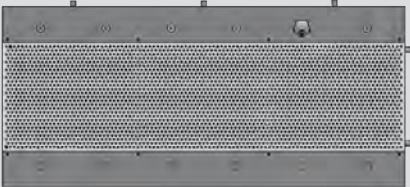
Width	1,025 mm
Height	680 mm
Depth	120 mm
Weight	20 kg
Material	PEHD plastic made from 50% recycled material
gas flow rate	400 m³/h

UT30291

wall cassette

3-piece segment

for 3 filter mats



Width	1,515 mm
Height	680 mm
Depth	120 mm
Weight	27 kg
Material	PEHD plastic made from 50% recycled material
gas flow rate	600 m³/h


Block filter

UT31700

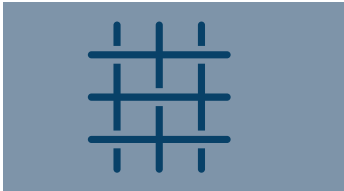
Block filter easy

Option 1:
Fan, control unit and compressor
for active extraction of
odorous air

Option 2:
Upgrade with UV/ozone lamp
including control unit for additional
neutralization of
odor-causing substances



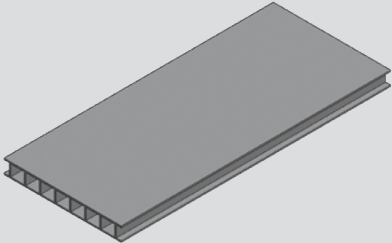
Width	1,250 mm
Height	1,700 mm
Depth	700 mm
Weight	ca. 160 kg
Filter medium	5 layers, 2 mats each
air intake	DN 100
air outlet	DN 160
gas flow rate	max. 600 m³/h



FlexiGrid

UT30294


segment plate



Height	55 mm
Width	435 mm
Depth	3,000 mm
Weight	11 kg
Material	PEHD plastic made from 50% recycled material

UT30295

square bar



Height	40 mm
Width	40 mm
Depth	3,000 mm
Weight	4.6 kg
Material	PEHD plastic



COALSI
in action

„We have had good experiences with the channel filters. Since then, there have been no more complaints.“

Reiner Lenz, Civil Engineering Department,
City of Hockenheim

coalsi GmbH
Dorfstraße 7
85653 Großhelfendorf
Germany

Tel. +49 8095 87339 01
info@coalsi.com
www.coalsi.com

