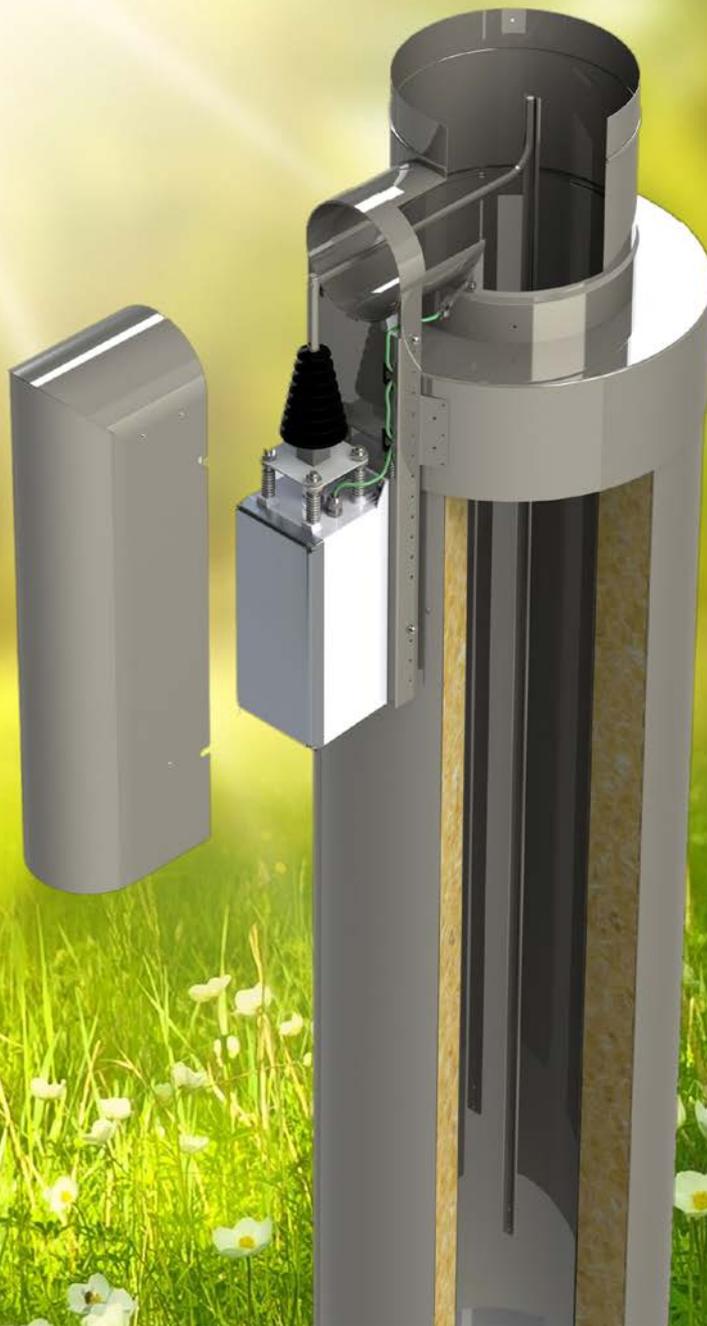


UP TO  
**95%**  
PARTICLE  
REDUCTION



## Schiedel ePURO

The fine dust filter for  
wood burning appliances

Electrostatic fine dust separator for effectively  
reducing flue gas particles in wood burning  
appliances in existing buildings

[www.schiedel.com/uk](http://www.schiedel.com/uk)

**SCHIEDEL**





# For the love of wood and nature

**Environmental. CO<sub>2</sub> neutral. Sustainable.**

Climate protection concerns all of us. The intelligent and sustainable use of sustainable raw materials, such as wood, as a renewable energy source, combined with energy efficiency heating systems helps to meet climate protection requirements and makes a significant contribution to lowering emissions.

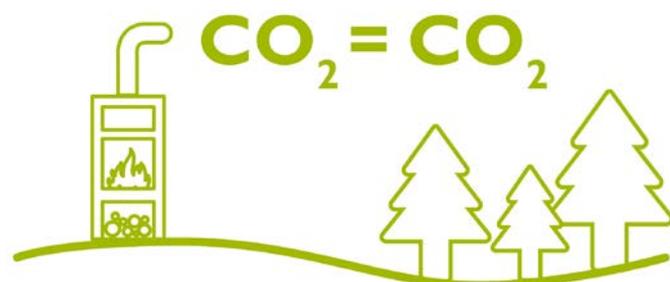
As a renewable resource, wood releases only as much carbon dioxide (CO<sub>2</sub>) when burning, the same as with the natural decomposition process in the forest, or as much as the tree has stored during its growth process. **Wood does not release any additional CO<sub>2</sub> when burning.**

Air pollution has a tremendous impact on our health and our environment. Compared to other energy sources, firewood has a low emission factor with a very low primary energy factor of 0.2.

Even though wood is a low cost and above all sustainable alternative to the current excessive gas and oil costs, wood is also criticised due to the fine dust discussion. Outdated stoves with obsolete combustion technology are a decisive factor here.

Modern stoves with efficient burning technologies do not contribute to an excessive fine dust load when used correctly. - Briefly put: Old appliances are part of the problem. New appliances are part of the solution.

Anyone wanting to avoid a costly replacement of an appliance will find a practical and efficient solution for retrofitting on the existing chimney with the **Schiedel ePURO** fine dust filter. It's recommended to have the chimney sweep carry out a flue gas analysis.



# Schiedel ePURO

## The fine dust filter for wood burning appliances

**SCHIEDEL**

**ePURO**

### Features

- Degree of particle separation: up to 95%
- For wood-burning appliances up to 50 kW
- Suitable for pellets and split logs
- Can be used on existing steel chimneys
- Cleaning without dismantling by the chimney sweep

### Technical specifications

High voltage	15 to 30 kV (modulating)
electrical power	max. 30 W
Standby operation	0.7 W

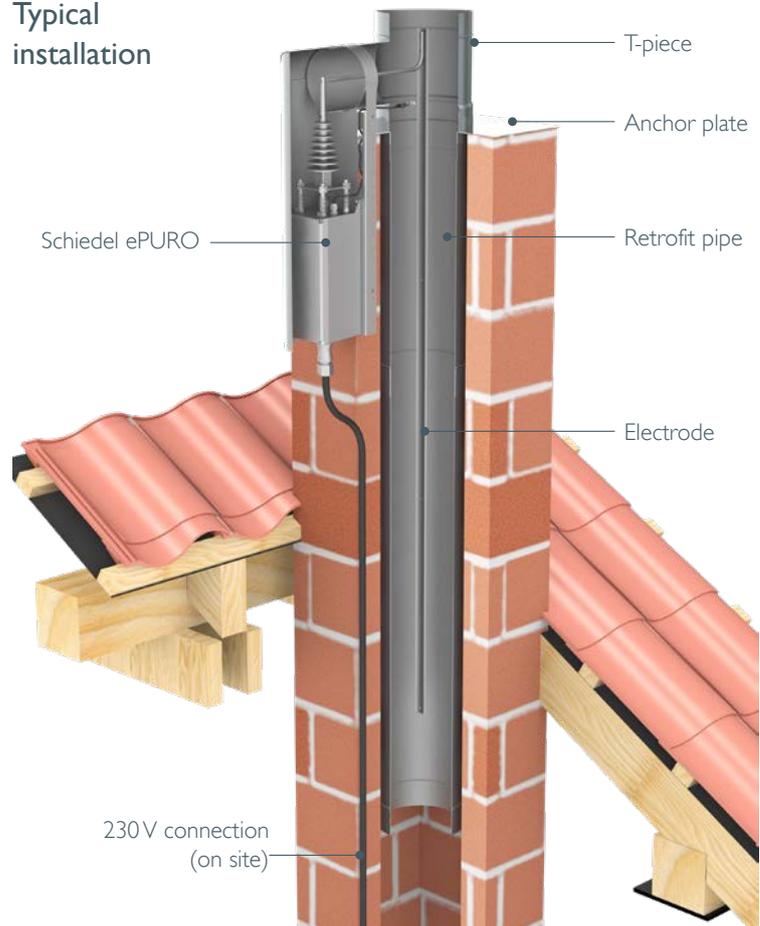
### Diameter of the application area

Ceramic	Ø 16, 18, 20 cm
Stainless steel	Individually adjustable

### Approval

DIBT-approval Z-7.4-3451

### Typical installation



The Schiedel ePURO fine dust filter is an electrostatic particle separator for wood burning appliances, such as wood burning stoves, but also for wood/pellet central heating systems, up to 50 kW.

The installation is relatively simple from the start. A 230V connection needs to be provided on site.

The adaptability of Schiedel ePURO makes it possible to use it on existing steel chimneys. It reduces the fine dust content in the flue gas by up to 95%, which contributes to cleaner air.

Taking local emission regulations into consideration, new and existing stoves can be equipped with the Schiedel ePURO.



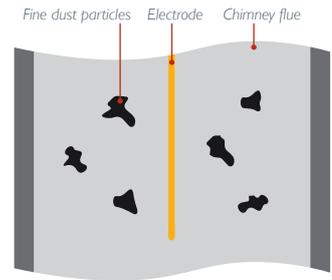
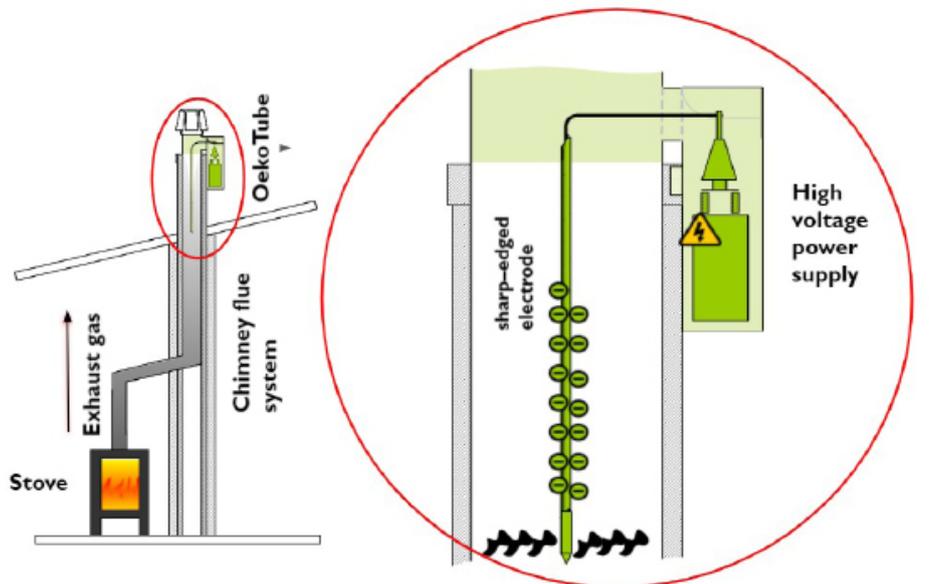
## How it works

The active fine dust filter with electrostatic separation charges the dust particles contained in the flue gas. This causes them to deposit on the inner wall of the steel chimney.

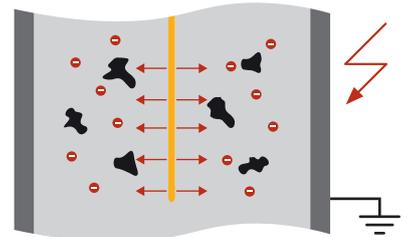
Cleaning is carried out without dismantling the separator, when the chimney is swept.

The system is activated when the connected fireplace is in operation. The 230V high-voltage transformer delivers power of 15 to 30 kV with max. 30 W. In stand-by mode, the consumption is a low 0.7 W.

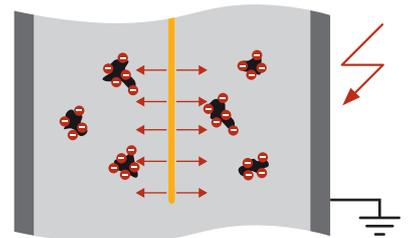
## Electrostatic Filter



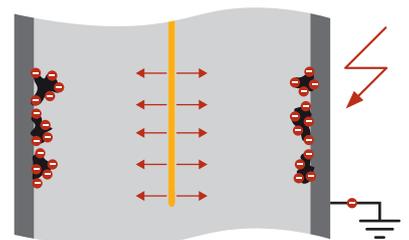
1. The fine dust particles in the flue gas flow through the chimney flue.



2. Electrons are released by means of a high voltage electrode.



3. The electrostatically charged particles move to the chimney's inner wall.



4. The fine dust collects on the inner wall of the chimney.



## Easy to maintain

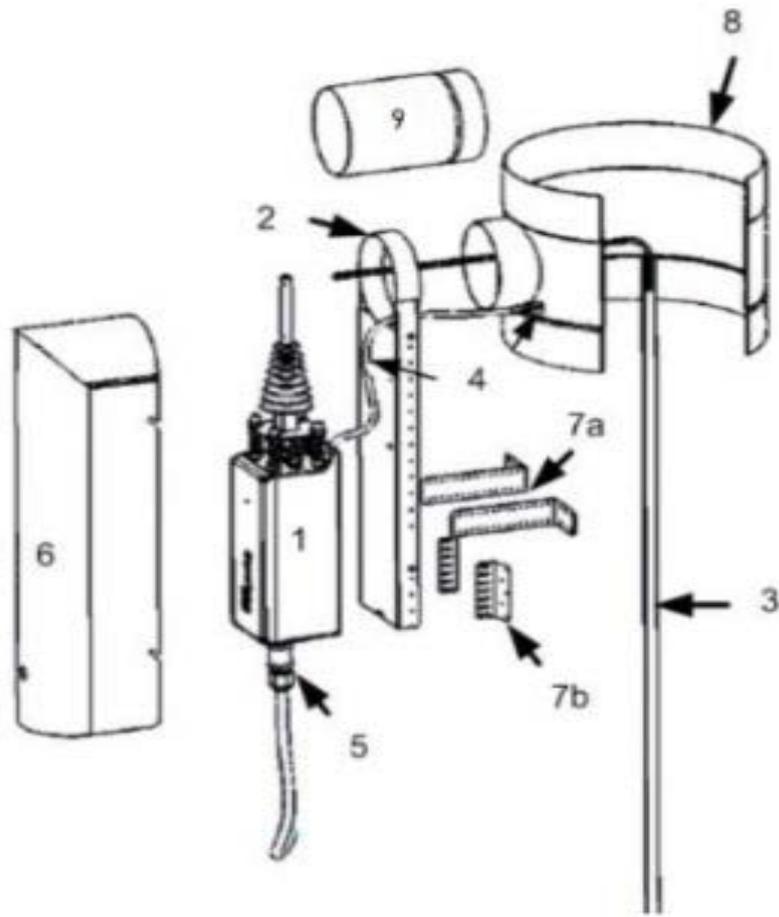
- Switch off the filter
- Sweep the chimney
- Switch the filter back on
- DONE

Electrode : steel spring plate is flexible so when the chimney is swept, it springs back when finished with no damage.

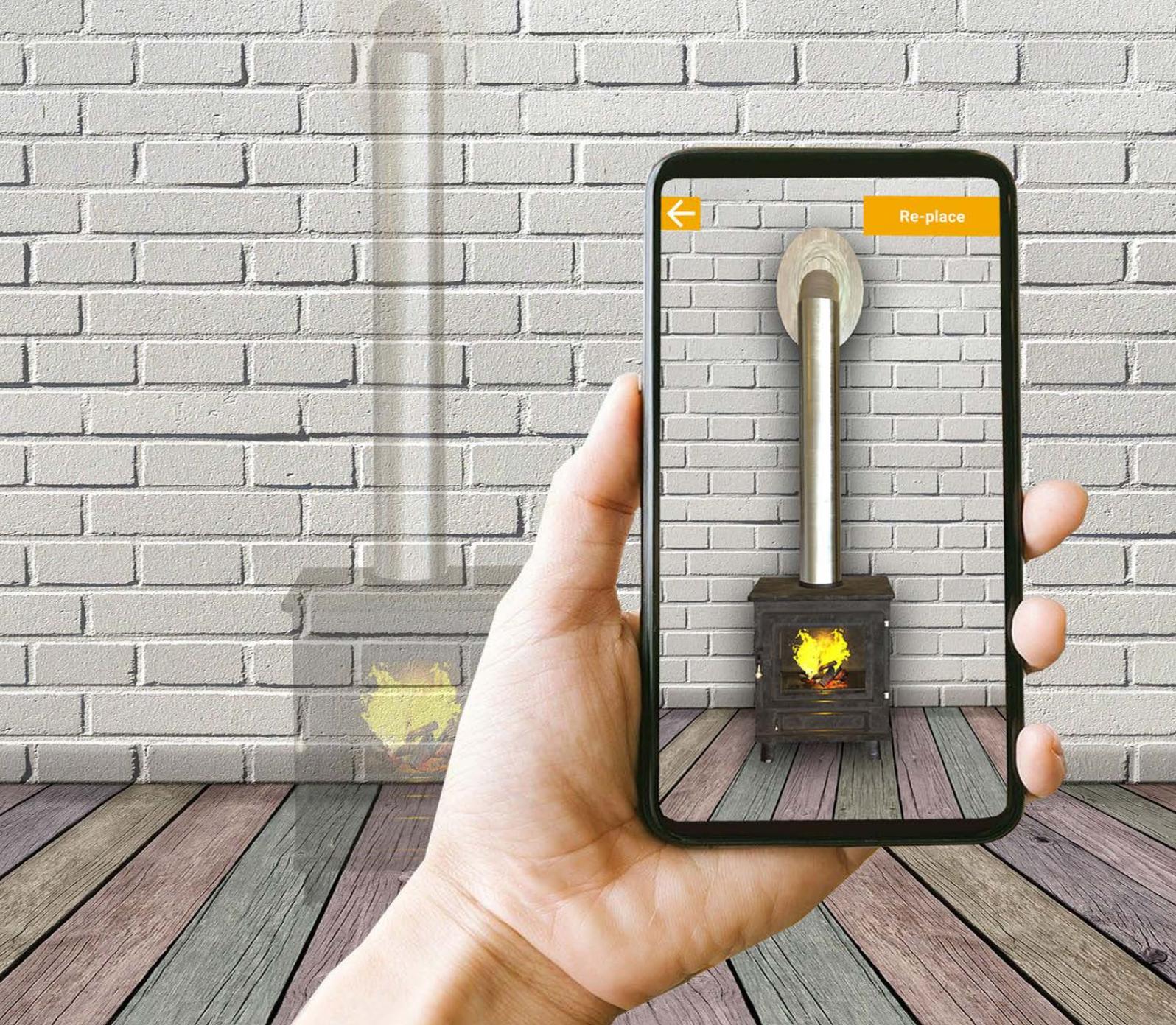
UP TO  
**95%**  
PARTICLE  
REDUCTION

List Price

Updated 27 May 2022



Name	SAP	SCHEMATIC COMPONENT	DIAMETER	PRICE
Filter	175680	1-7b	all	£2,532.83
Adapter	atyp	-	on demand	TBD - on demand
T - Piece	161773	8	<150	£107.62
	161775	8	<200	£110.98
	161777	8	<300	£223.30
Ø130 Pipe length (L500)	160904	9	130	£25.27
Locking band	161293	8 to 9	130	£9.92
	161294	adapter to 8	150	£10.23
	161296	adapter to 8	200	£10.70
	161298	adapter to 8	300	£9.81
Optional Extras	SAP	SCHEMATIC COMPONENT	LENGTH	PRICE
Safety switch	176054	-	-	£110.98
Longer connection cable	176055	5	5m	£86.22
	176056	5	10m	£115.48
LCD display	176057	-	-	£529.75



Download the **Augmented Reality Chimney Builder**, which allows you to see a stove within a room and generate a quote on your mobile device

**SCHIEDEL**

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[sales.uk@schiedel.com](mailto:sales.uk@schiedel.com)

#### SCHIEDEL INSTALLER REWARDS

Exciting news from Schiedel Chimney Systems! Whenever you register an installation with our easy to use, online guarantee registration portal, you will now accrue points based on the number of installations and installation type to redeem for Love2Shop vouchers!



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INDUSTRIES COMPANY