

FUTURE-REFINE CERAMIC

Fine dust separator
for your wood firing with DiBt approval



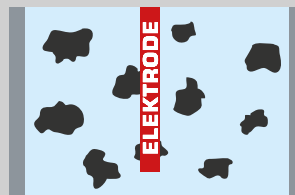
The fine dust filters made by Schröder are based on the electronic principle:

Dust emissions generated during the combustion of wooden pellets, firewood or woodchips enter the chimney together with the flue gas.

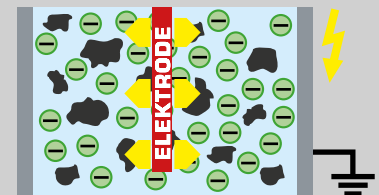
There, in the **FUTURE-REFINE CERAMIC**, a high-voltage electrode emits electrons that move towards the chimney wall driven by electrostatic forces. Thereby, the fine dust particles are charged and also moved towards the chimney wall. There, fine dust accumulates and forms clumps together to form coarse flakes. During the regular cleaning, the chimney sweep removes these deposits.



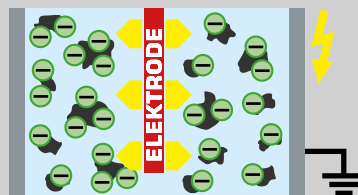
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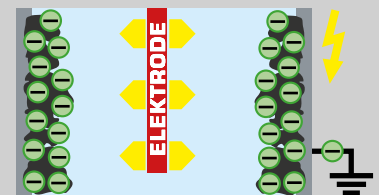
01 Fine dust particles flow with the exhaust air through the flue gas channel.



02 A high-voltage electrode emits electrons.



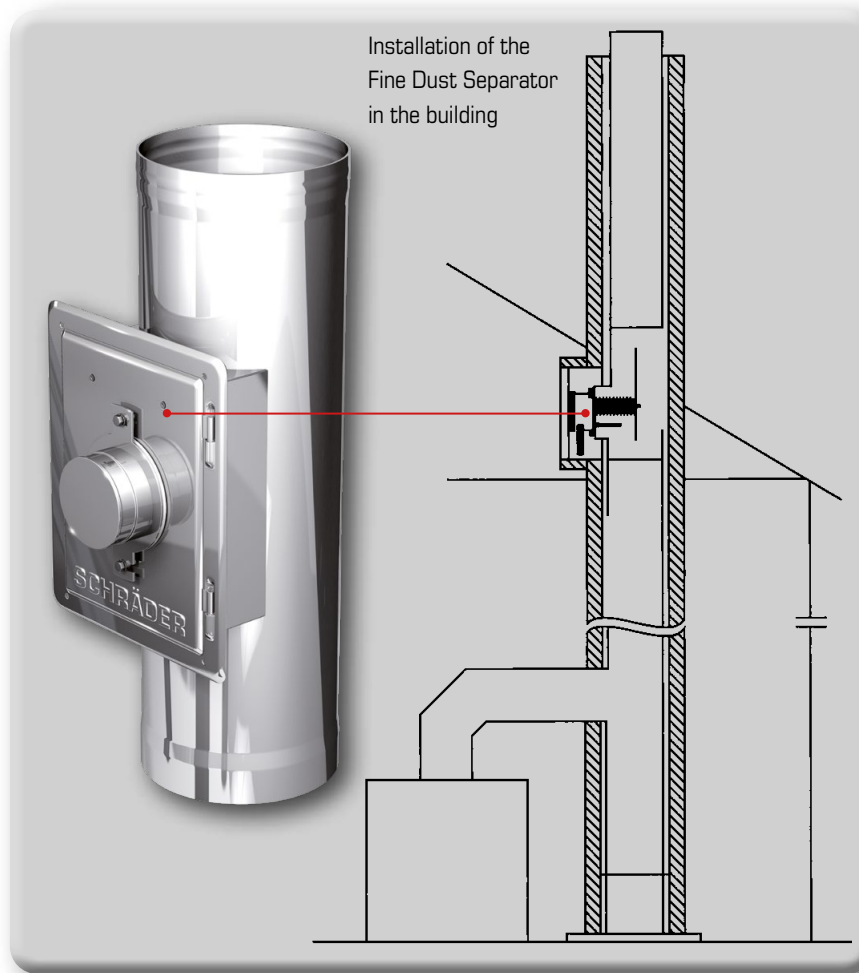
03 Due to electrostatic forces, these electrons move towards the chimney wall. Thereby, the particulates are charged and are also moved towards the wall.




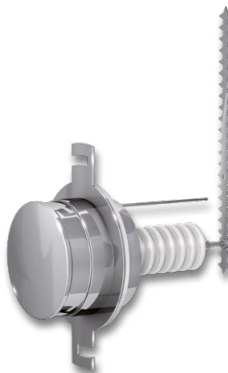




04 Fine dust accumulates on the chimney wall and agglomerates to form coarse flakes. The chimney sweeper removes these deposits during cleaning.

Key benefits:

- Applicable in automatic and handfed wood-fired firing systems, in metallic as well as ceramic flue gas systems up to 50 kW
- Possible up to a dust collector efficiency of 90 %
- Already 50 cm downstream of the particle separator min. 50% removal – TÜV approved
- Proven efficiency
- DIBt-approval, number Z-7.4-3442
- Easy maintenance
- Can easily be integrated in already existing systems
- Low operating costs
- Can easily be put into operation and operates automatically
- The electrical system has been tested and approved in compliance with European directives



FUTURE-REFINE CERAMIC PRICE LIST 2021

Description of article	Article number	Price €/ piece
	Assembly set FUTURE-Refine Ceramic Particle separator with stainless steel door incl. frame	
	FUTURE-Refine Ceramic with SS-door 200/300	S 314-74 1.945,00 €
	FUTURE-Refine Ceramic with SS-door 200/300 and shaft extension 250 mm	S 314-75 1.980,00 €
	FUTURE-Refine Ceramic Particle separator for ceramic and metallic chimneys (Installation on cleaning door)	
	FUTURE-Refine Ceramic for cleaning door	S 314-70 1.785,00 €
	FUTURE-Refine Ceramic suitable for individual makes of chimneys	S 314-71 auf Anfrage
	Stainless steel cleaning door 200 x 300 mm with receptacle for FUTURE-Refine Ceramic incl. frame	
	SS door 200/300	S 314-72 160,00 €
	SS-door 200/300 with shaft extension 250 mm	S 314-73 195,00 €
	Sealing FUTURE-Refine Ceramic, spare sealing	S 314-77 11,90 €
	Cleaning cover + sealing FUTURE-Refine Ceramic for closing the cleaning door during cleaning	S 314-79 36,00 €
	Spare electrode FUTURE-Refine Ceramic – Saw tooth made of high-grade and especially flexible spring steel	S 314-78 67,30 €
	Electrically conductive spray for immediate separation performance in new ceramic chimneys	S 314-76 49,90 €



ALREADY TODAY THE FUTURE



The name "Schröder" stands for modern exhaust gas technology made of stainless steel. During the last two decades, the company developed rapidly and now it ranks among the leading manufacturers in Germany.

Schröder's development works have always been based on a concept that creates ecologically reasonable and efficient products. With this, Schröder has already been assuming responsibility since the foundation of the company and cares for the conservation of our resources.

Schröder's motto "Already today for the Future" goes with the company every day: Schröder is striving to sustainably develop the world with its products.

As our customer, you will be able to save the environment by applying the Schröder technology - with this, you contribute your share for a future worthy to live already today. For instance, Schröder succeeds with the **automatic butterfly valve Future OptiPa** as well as with the **Schröder heat exchanger TurbuFlex** and with the application of the **Schröder Fine Dust Filters**.

Schröder's innovative technologies ensure that emissions are reduced and with this, they contribute to active environment protection.

By the way, furthermore you reduce your running expenses. So, it comes easy to you always to be one step ahead!



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