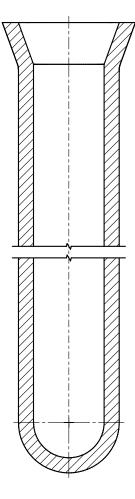
FILTRATH®

Ceramic Filter Elements for Filtration of Hot Gases















FILTRATH® FILTER ELEMENTS

FILTRATH® filter elements are made of hightemperature vacuum formed wool and developed for the filtration of hot gases.

They are highly permeable and extremely lightweight. The high porosity of FILTRATH® provides excellent filtration performance complying with the most stringent emission control standards.

- Designed for high temperatures
- > 100 % spark resistant
- > Extremely lightweight
- > Strong and durable
- > Emission values < 1 mg/Nm³
- > Highly efficient

FILTRATH® filter elements are available in two grades

Information «

Grade	Raw Material Base	Chemical Analysis		Max. Application Temperature*	
		weig	ght%	°C	
FILTRATH® ASW	Aluminum Silicate Wool	Al ₂ O ₃ SiO ₂	44 56	1,000	
FILTRATH® AES	Calcium/Magnesium Silicate Wool	CaO/MgO SiO ₂	25 75	1,000	

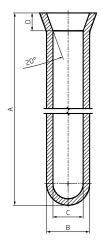
 $^{*}\text{the maximum temperature limit depends on the application conditions.} For support/clarification please contact Rath. \\$

FILTRATH® Filter Element Dimensions (other dimensions on customer request)

Information «

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Dimensions							
Outer Diameter (B)	[mm]	60	150	150	150	150	150
Inner Diameter (C)	[mm]	40	100	110	110	110	110
Element Length (A)	[mm]	1,000	1,000	1,600	1,950	2,200	3,000
Flange Geometry	[-]						
Flange Length (D)	[mm]	20	65	65	65	65	65
Filtration Area	[m²]	0.18	0.44	0.72	0.92	1.02	1.35
Weight/Element	[kg]	0.3	2.2	3.8	5.2	5.6	6.8



Rath



- > Power generation and combustion plants
- > Pyrolysis and gasification processes
- > Production and recovery of particulate materials such as catalysts or pigments
- > Protects catalysts in catalytic processes
- > Calcium carbide production
- > Emission control in smelting and fluidized bed processes (e.g. glass and metal smelting)
- > Clinker cooling in cement industry
- > Production of powdered plastics

Advantages of dry particulate separation at high temperatures

- > Economic benefits of maintaining the process heat for the downstream processes
- > Preserves gas and/or dust properties employing dry particulate separation
- > Cost effective protection of catalysts in catalytic processes
- > Avoids corrosion and clogging of downstream equipment
- > Economic and environmental benefits due to elimination of waste water and sludge disposal
- > Compact design

FILTRATH® Filter Elements make the difference

- > Raw materials and production processing held to the highest quality standards.
- > Safe operation at high temperatures due to non-flammability and excellent thermal shock resistance
- Uniform permeability with low pressure drop
- > Excellent reverse jet-pulse cleaning performance
- > High mechanical stability and resistance to corrosive environment
- > Long service life
- > Best price/performance ratio in comparison to other ceramic and metallic filter elements
- > Bio persistent alkaline earth silicate wool is RCF free and therefore eliminates health concerns.

Rath services

- Application consultancy
- > Laboratory services: e.g. examination of dust properties, used filter elements etc.
- > Filtration tests on-site
- > Preventive inspection of filter elements on-site

Rath



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