

compactfiltertechnik

BREATHE THE NEXT GENERATION

The New Dry Deduster Type CFD –
designed for maximum performance

NEW



For use with all
tunnelling methods



For use in all types
of underground
production processes
in mining



For use in the refurb-
ishment of rail
and road tunnels

Today we are already delivering the dry dedusters of the future

Today, the new generation dry dedusters Type CFD – „Compact Filter Dry“ – already meet the highest demands and, at the same time, set the course for the technical requirements of the future.

The latest generation dry dedusters are used wherever the demands on respirable air are highest, for example when working in hard rock. Residual values of less than 0.05mg/m³ dust in the clean air are achieved irrespective of the existing dust concentrations in the dirty air. The long-life CFD series guarantees compliance with all applicable national and international workplace exposure limits, e.g. for inhalable and respirable dust.

Furthermore, the new CFD dedusters also offer the facility for integration of the new and innovative CFT “Smart Filter” technology. This state-of-the-art control system enables personnel, processes and machinery to respond to changes in operating conditions in real time. Data can be accessed at any time, necessary measures are recognized and highlighted in good time and operating times are optimised. Online and from wherever you want it.

Volumetric flow rate
In excess of 5.000 m³/min

Compressed-air consumption
Reduced by up to 50 %

Residual dust content
Less than 0.05 mg/m³

Dry dedusters type CFD – your benefits at a glance:

The new design is more compact, lighter and more powerful

- 30% reduction in the overall size of the system
- aerodynamically optimised dirty and clean air duct over the entire filter housing
- reduction in the overall weight
- residual dust contents of less than 0.05 mg/m³

Minimised operating costs offer huge savings potentials

- reduced power consumption due to, amongst other things, a new filter cleaning system with a lower compressed air consumption
- minimum wear due to long-life components, e.g. re-designed scraper chain return sprocket
- high operational availability
- low and simplified maintenance work from the clean gas side
- optimised scraper chain discharge and improved screw conveyor design for increased discharge capacity
- improved arrangement of the filter elements to reduce wear (more even distribution of the dirty air)
- lower pressure losses at comparable air-to-cloth ratios

Safety features and state-of-the-art monitoring set benchmarks

- optimised operational availability and ergonomics
- reduced noise emissions
- reduced fire loads
- early error detection through remote monitoring by CFT (optional with CFT Smart Filter technology)
- monitoring of operating conditions via customer remote control centre (optional with CFT Smart Filter technology)
- hinged access doors with no protruding edges to avoid damage, sound-proofed lining and with integrated lifting eye for removal and transport

Our systems protect the environment and resources

- considerably smaller overall carbon footprint thanks to reduced use of resources
- long life-expectancies of products and systems



CFD with dust collection hopper and discharge screw conveyor

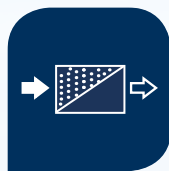


CFD with discharge scraper chain conveyor

CFT – BREATHE THE DIFFERENCE

CFT has been supporting customers from the mining and tunnelling industries since 1999 with its wide-ranging expertise in the fields of dedusting, ventilation and the heating and cooling of air. As an innovative system supplier, we can offer you the full range of services from engineering and project planning through to on-site assembly and service. Coming from our own factory in Gladbeck, all CFT products meet the high “Made in Germany” quality criteria.

CFT is part of the CFH Group which is active throughout the world. The holding company brings together a range of subsidiaries and shareholdings under one roof with a common goal: the application of excellent engineering services to create innovative solutions for all aspects of ventilation at the workplace. Cross-sector application, underground, on the surface, across the globe.



Dedusting



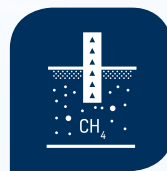
Ventilation



Air cooling systems



Air heating systems



Methane Drainage
and Utilization



Ducts

For more information please visit our website www.cft-gmbh.de or give us a call. We would be pleased to answer your questions and explain to you personally the advantages of the CFT Smart Filter technology in more detail.

We look forward to meeting you!



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MADE IN GERMANY