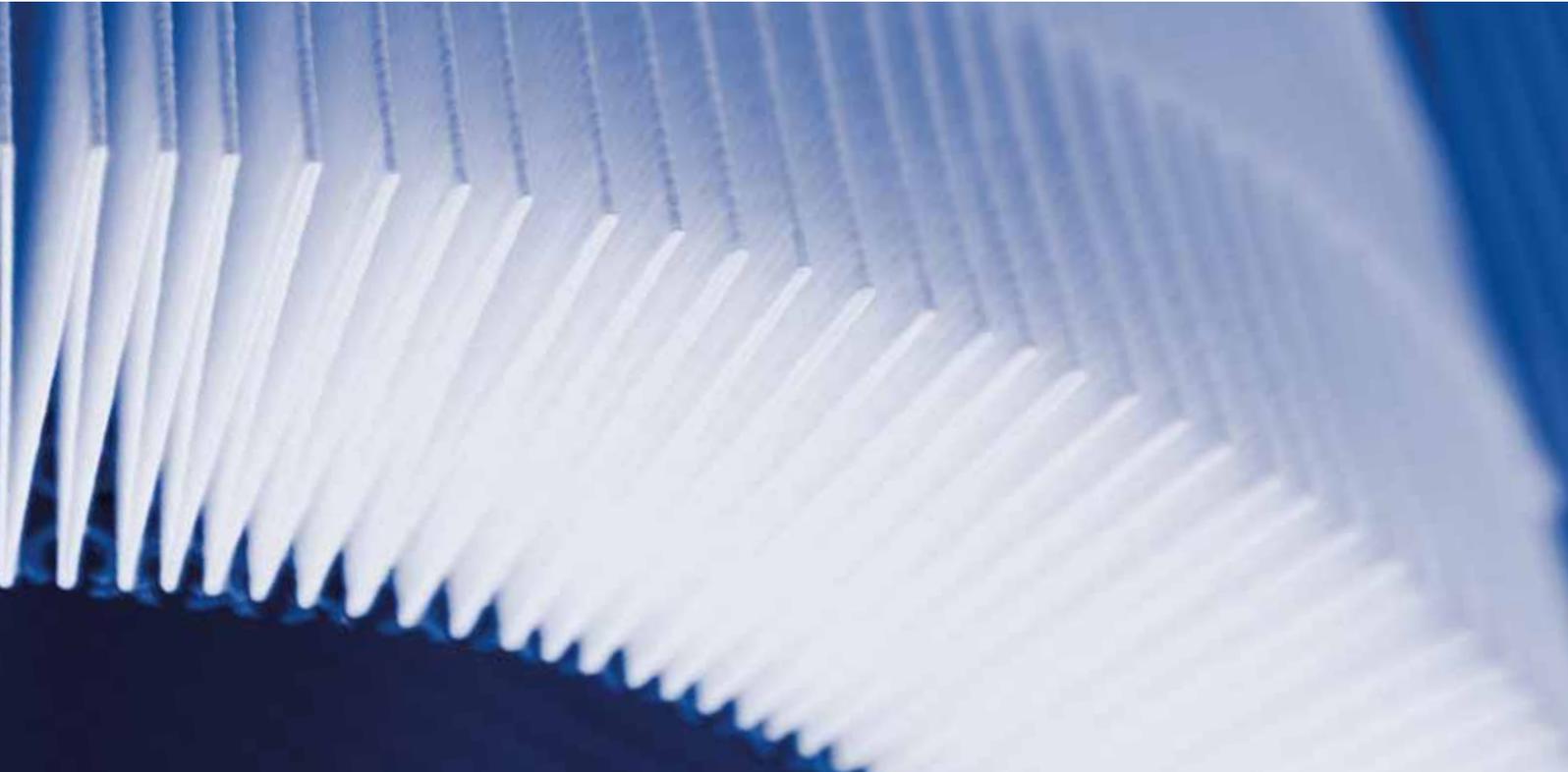


# R + B Filter Elements for Clean Air



# Innovations for Clean Air



*The owners of R + B Filter  
From left: Sabine Rapp,  
Company founder Peter Rapp,  
Jochen Rapp*

## INNOVATIVE THINKING AND ACTING

The dust removal technology continuously meets new challenges that arise from ever changing industrial work processes and stricter environmental and occupational safety legislations.

That is why our technicians and engineers not only develop individual filter elements but also create complete solutions for our customers. The applications of the filter elements are analysed and recommendations are presented in order to guarantee optimum function of the dust collectors and to satisfy legal guidelines.

We have been producing pleated filter elements for dust filtration since 1982. Our original focus was on filter cartridges.

In 1991, we brought the first pleated filter panel onto the market. Today, the filter panel is a standard alternative to the filter cartridge and the filter bag.

*Solutions are developed together with the customer*



## PERFORMANCE BY TECHNICAL COMPETENCE

With our wide range of pleated filter elements for air and dust filtration of excellent quality we contribute to dust removal in industrial work processes and to protecting the health of employees at their workplaces. We provide valuable information to improve the function of dust collection systems.

Experienced technicians and engineers analyse the operating conditions of the filter elements at site. They develop solutions in co-operation with our customers based on the technical conditions. Depending on the respective requirements standard filter elements or customer engineered filter elements are used.

Our recommendations are based on commitment to high quality combined with cost efficiency.

We contribute to smoothly running production processes and to protecting people's health as well as the environment.

*Company headquarters with production in  
Langenbeutingen near Heilbronn*



# The widest Range of pleated Filter Elements for Dust Filtration on the Market worldwide

## OPTIMUM FUNCTION EVEN UNDER EXTREME CONDITIONS

The range of products of R + B Filter comprises pleated filter cartridges, filter panels and filter cassettes for the air and dust filtration technology, as well as accessories for assembling and cleaning of the filter elements like filter holders, venturi nozzles, solenoid valves and valve controls.

The type of the filter element as well as the filter medium is individually adapted to the respective case of application.

All filter elements can be produced with certified materials that can be utilised in food processing as well as in the chemical and pharmaceutical industries.

Standard elements can be operated up to 80 °C. For higher temperatures we provide filter cartridges up to 450 °C.

Depending on the respective case, dust is differentiated in regard to particle size, chemical properties, concentration in the volume flow or process temperature. Other aspects that are decisive for the type of filter element used, are spatial restrictions on location, the amount of air to be filtered or the required separation efficiency.

With our substantiated technical knowledge we develop and produce just the right dust filter element that is most suitable for our customer's operating conditions.

Filter Cassettes

Filter Panels

Long Filter Cartridges

Filter Cartridges for Hot Gas Filtration

Standard Filter Cartridges



# Individuality by Diversity, R + B Filter Elements: reliable in Quality and Function

## Long Filter Cartridges

can be installed instead of filter bags. They enable smaller sized dust collectors. Their installation is possible from the raw gas side or the clean side, in parts without the need for tools.

**Applications:**  
Cement industry,  
Production of pigments,  
Rock grinding, Foundries.



## Filter Cartridges for Hot Gas Filtration

are constructed for the special conditions with temperatures above 140 °C. They can be utilised up to a maximum temperature of 450 °C. Filter cartridges with stainless steel weave have an extremely long service life.

**Applications:**  
Combustion plants,  
Food production, Pharmaceutical  
and Chemical industries.



## Standard Filter Cartridges

are available with diameters ranging from 115 mm to 330 mm with all standard assembly systems. They can be used for temperatures up to 80 °C. Technically skilled contact persons are providing technical assistance at the selection of the filter element.

**Applications:**  
Pneumatic conveyors, Blasting  
systems, Welding fume extraction,  
Silo ventilation.



## Filter Panels

have a sturdy design which results in very high mechanical strength. The rhombic shape of the filter medium enables them to be charged with high dust concentrations.

**Applications:**  
General dust removal,  
Laser and Plasma cutting,  
Chemical industry, Powder coating.



## Filter Cassettes

can be installed vertically or horizontally. Because of their low installation height they are used in compact dust collection systems or as secondary filters. The maximum operating temperature of standard cassettes is 80 °C.

**Applications:**  
HEPA filters,  
Ventilation filters,  
Separation of oil and emulsion mist.



## Filter elements for Oil and Emulsion mist

have a special filter media with a very high intake capacity. They achieve an exceptionally high degree of separation.

**Applications:**  
Separation of oil mist,  
Emulsion mist  
and Aerosols.





The ambition of R & D is to provide the customer with the best possible solution



Research & Development: Material analysis



Wide range of filter media for highly diversified operating conditions



Precise welding of metal parts

## Quality and Transparency from R & D to Completion

### INNOVATIVE AND FLEXIBLE

Technological innovations and stricter legislation constantly make new demands on dust filtration. We respond to these developments. Our technicians and engineers perform fundamental research in co-operation with external institutes. Furthermore, they test new materials or filter elements for our customers.

Combining the integration of external knowledge, on-site analysis for customers and decades of application-related experience we also develop solutions for new requirements.

Whether single individual solutions or specific customized products, flexible and efficient manufacturing processes make it possible to supply new developments within the shortest timeframe.

### DUST FILTER ELEMENTS FROM R + B FILTER: MADE IN GERMANY

The raw materials used by us are subject to strict incoming goods controls according to defined measurement criteria. Each production step is specified precisely and is comprehensive. Trained employees with many years of experience contribute with their expertise.

Transparency and precision guarantee reliability and the consistent excellent quality of our products.

The pre-requisites for short delivery times and punctuality are modern production technologies and the ability to adjust manufacturing processes flexibly to the production of diverse product variations.



Machines and systems for flexible and efficient production



Precise moulding of end caps



Production with state-of-the-art technology



Final check before being sent to the customer

# R + B Filter in India



R + B Filter Manufacturing Ent. Pvt. Ltd. in Vadodara

## LOCAL ON THE DYNAMIC MARKETS IN ASIA

The requirements for being competitive are, among others, the ability of fast deliveries and short bonds with the customer. This is why R + B Filter Manufacturing Ent. Pvt. Ltd. has been present in Vadodara - north of Mumbai – since 2009 as an Indian company with its own factory. In Vadodara dust filter elements for the Asian market are produced. R + B Filter Manufacturing is certified as per ISO 9001.

After the opening of the Indian company, R + B Filter Ltd. has developed into the leading manufacturer of dust filtration elements in India.



Production according to ISO 9001



The Directors of R + B Filter in India:  
From left:  
Malay Pandya  
Chirayu Oza

# Our Principle: Focused on Customers worldwide

## EXPERTISE FOR OPTIMUM AIR AND DUST FILTRATION

Filter elements made by R + B Filter are part of production processes worldwide. They have a key function in the overall system of dust removal installations. They often have to meet the highest demands under extreme conditions.

Our customers expect process stability and long service life from their dust filter elements. The prerequisite for this is high class workmanship and the selection of the technically most appropriate filter element.

Technicians and engineers assist our customers in selecting the right filter elements or provide solutions when dust collectors do not work as expected. For customized solutions we guarantee the corresponding exclusivity.

## WORLDWIDE PRESENCE FOR COMPETENT DUST FILTRATION

Our international sales offices are at your side with expert contact persons for all questions regarding dust removal technology - not just in Germany, but worldwide.

The local representatives of R + B Filter ensure punctual supplies and technical service - quickly and at any time.

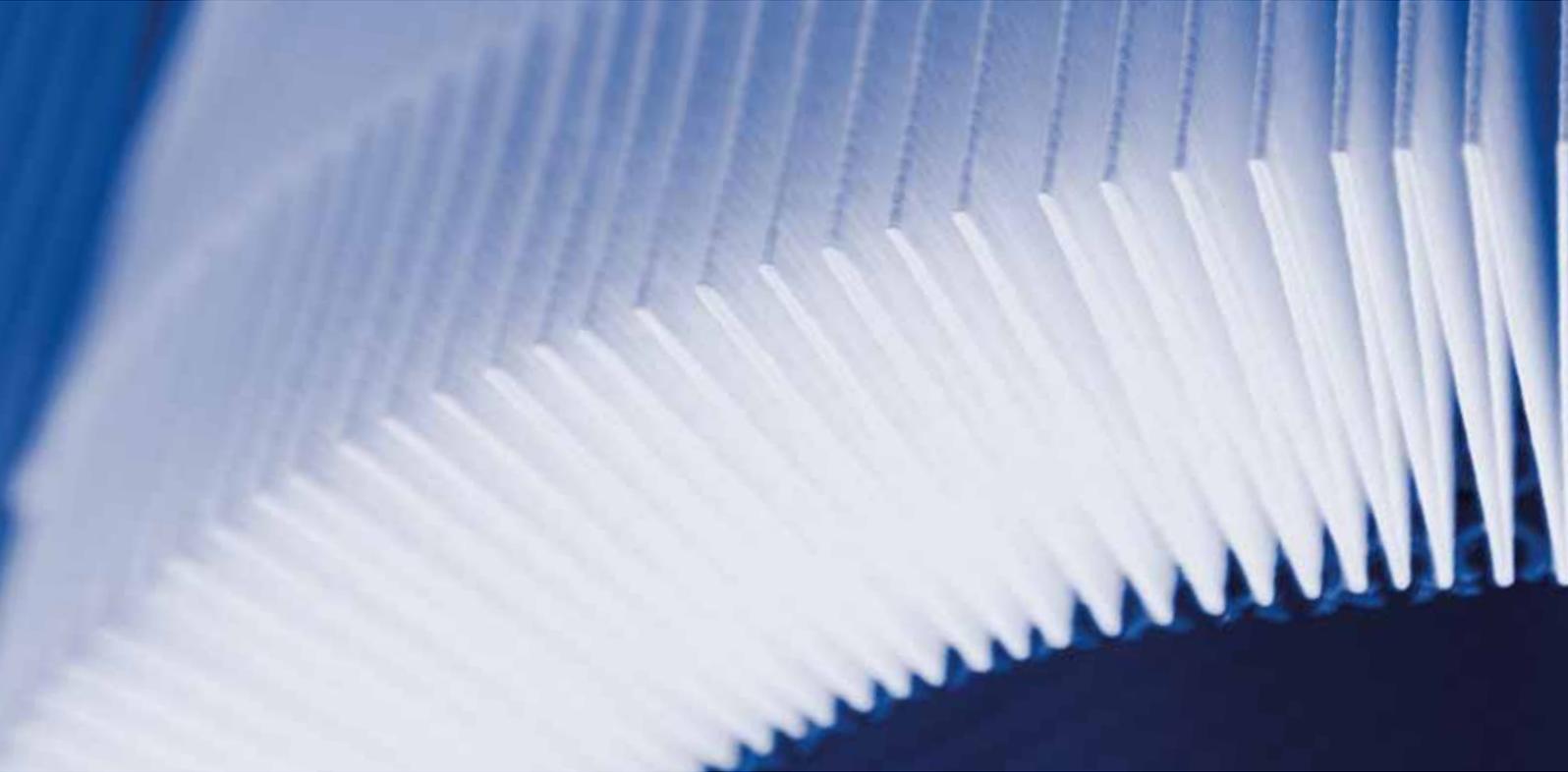


Understanding the customer and providing expert consultation

Dust filtration elements made by R + B Filter are available worldwide via an international distribution network



# The entire Range of the Dust Filtration Technology



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