

MORE PURITY

SOLID-LIQUID FILTRATION



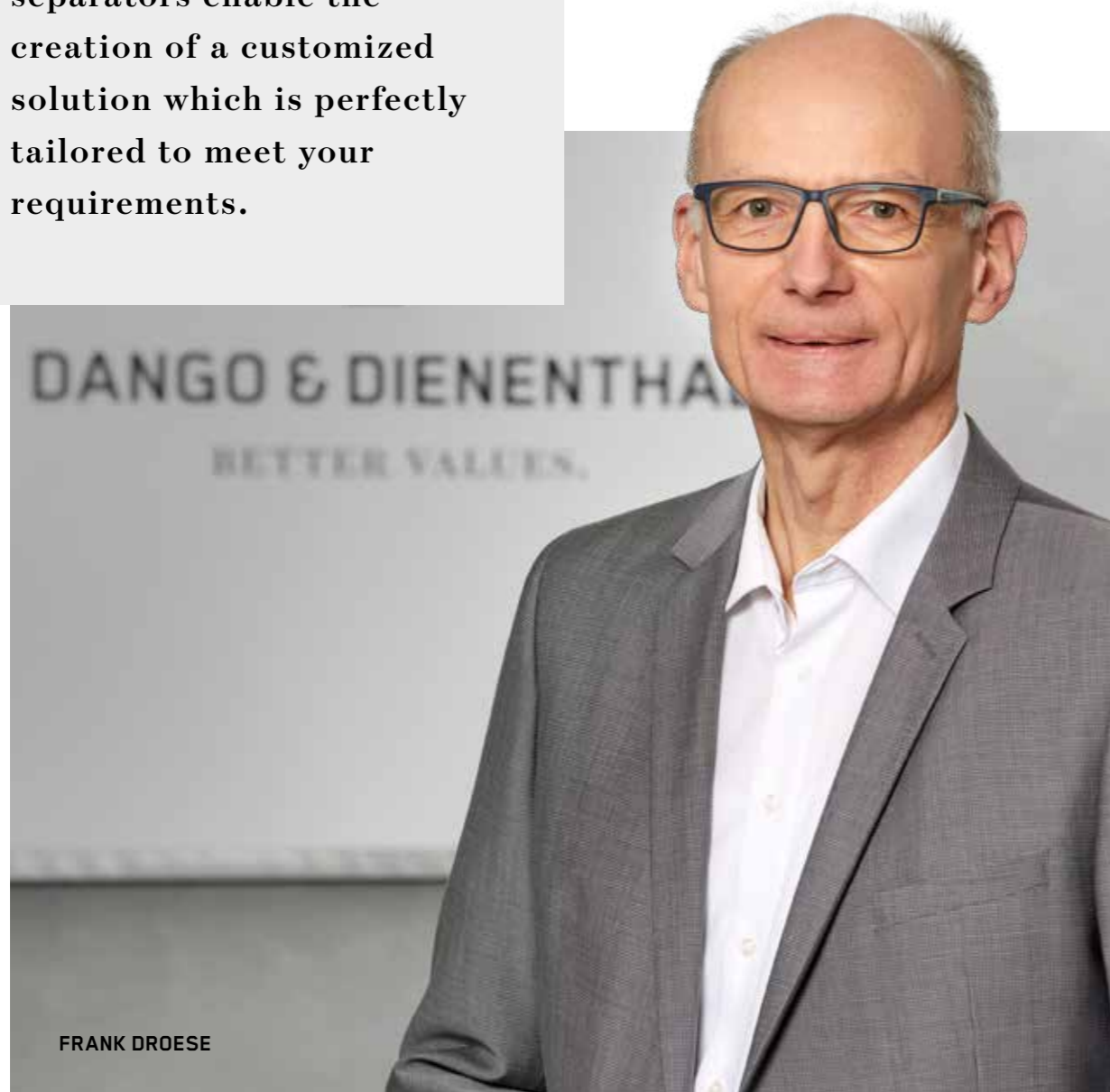
DANGO & DIENENTHAL
BETTER VALUES.

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Our product portfolio of automatic filters, manual filters, and separators enable the creation of a customized solution which is perfectly tailored to meet your requirements.



FRANK DROESE

INDUSTRIAL FILTERS

FROM DANGO & DIENENTHAL

For more than 75 years, DANGO & DIENENTHAL Filtertechnik GmbH has been a reliable partner for liquid filtration in almost all branches of industry. From the beginning, the constantly growing demands of our customers have been the driving force behind our innovative spirit. Qualified engineers and state-of-the-art production ensure the continuous development of the product range.

The filter and separating equipment is individually designed according to the specified operating parameters, thereby guaranteeing user satisfaction.

What long-standing customers particularly appreciate about our robust filter systems is their:

- ⊕ reliable filtration of solids
- ⊕ failure-free filter operation
- ⊕ minimal maintenance and operating costs

“Made in Germany” – our filters fulfill high standards in terms of performance and quality.

In the following, we will give you a brief introduction to our automatic and manual filter systems for solid-liquid separation.

FRANK DROESE

Sales Director



APPLICATIONS

APPLICATIONS

MADE FOR YOU

THE RIGHT FILTER FOR EVERY APPLICATION

Automatic backwash filters, separators, and manual basket strainers belong to your plant and assume key roles among the equipment used in your company. Be it in the steel industry, chemical industry or food processing, in plant engineering, or in local and district heating, power plants or wastewater management, filters are one of the small, vital things and they also contribute to environmental and material protection.

Filter your water and select an automatic backwash filter, separator, or manual basket strainer according to your needs, whose operation and performance are matched to the size of the particles to be filtered.

Regardless of the industry in which you operate, you have the option of selecting manual filters or automatic filters and can select the concept that

gives you the best results in all areas. With the DANGO & DIENENTHAL team there to give you support, you will make a good decision. Not every filter technology is suitable for all areas of your company. It depends on the mode of operation, capacity, and compatibility with your plant.

Here we offer you expert advice and can help you tie up any loose ends, such as the decision of whether your company should use an automatic filter or a manual liquid filter.

THE NEW DEFINITION OF PURITY FOR YOUR MEDIUM:

- ⊙ Cooling water
- ⊙ River water
- ⊙ Seawater & ballast water
- ⊙ Sinter & scale water
- ⊙ Process water
- ⊙ Oils & emulsions
- ⊙ Mussels & mussel larvae deposits

AUTOMATIC FILTERS

FILTERAUTOMAT (DDF)

EXTREMELY ROBUST AUTOMATIC FILTER

The Filterautomat boasts an extremely robust design and excellent backwash performance. The rotating filter drum distributes any solids uniformly over the entire filter surface and filters it out effectively.

TECHNICAL DATA

Flow rate	max. 10,500 m ³ /h
Filter fineness	≥ 25 μm
Operating pressure	0.8 to 63 bar
Flanges	DN 50 to 1,000
Automatic cleaning	Yes
Filter housing	Cast iron, steel, stainless steel
Inline design	Yes



FILTERAUTOMAT (DDF-HP)

AUTOMATIC FILTER FOR ULTRA-FINE FILTRATION

The HP Filterautomat impresses with its robust design and its excellent backwash performance (up to 10 m/s). The rotating backwash device reliably cleans the entire filter surface according to the available differential pressure and/or time.

TECHNICAL DATA

Flow rate	max. 2,500 m ³ /h
Filter fineness	≥ 5 μm
Operating pressure	0.8 to 63 bar
Flanges	DN 50 to 600
Automatic cleaning	Yes
Filter housing	Cast iron, steel, stainless steel
Inline design	Yes



BACKWASH DRUM FILTER (RTF)

AUTOMATIC FILTER FOR THE MOST DIFFICULT MEDIA

The Backwash Drum Filter is based on the filtration/backwash principle of the Filterautomat. A customized selection of materials is possible for the most difficult media.

TECHNICAL DATA

Flow rate	max. 4,000 m ³ /h
Filter fineness	≥ 5 μm
Operating pressure	1.5 to 63 bar
Flanges	DN 100 to 1,000
Automatic cleaning	Yes
Filter housing	Steel, stainless steel, GRP



BACKWASH DRUM FILTER (RTF-S)

COMPACT AUTOMATIC FILTER FOR THE MOST DIFFICULT MEDIA

The Backwash Drum Filter S impresses with excellent backwash performance and a compact design. A customized selection of materials is possible for the most difficult media.

TECHNICAL DATA

Flow rate	max. 100 m ³ /h
Filter fineness	≥ 5 μm
Operating pressure	1.5 to 63 bar
Flanges	DN 40 to 100
Automatic cleaning	Yes
Filter housing	Steel, stainless steel, GRP



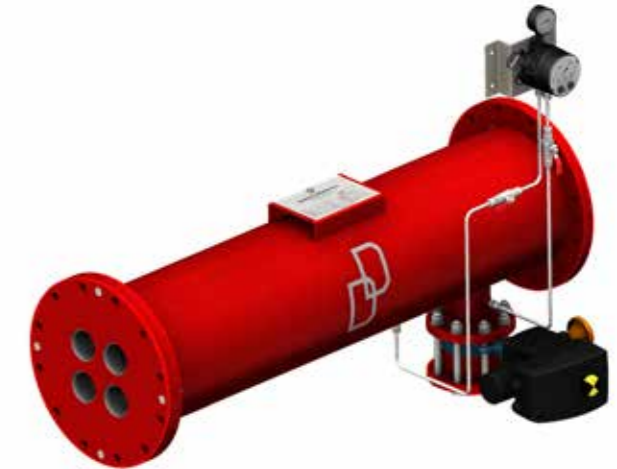
JET FILTER (JET)

AUTOMATIC FILTER WITH NO MOVING PARTS

The JET Filter is an inline filter without any moving internal parts. Its patented design enables very high flow rates, a high diversity of materials and flexible installation in pipelines.

TECHNICAL DATA

Flow rate	max. 25,000 m ³ /h
Filter fineness	≥ 50 μm
Operating pressure	1.5 to 63 bar
Flanges	DN 50 to 3,000
Automatic cleaning	Yes
Filter housing	Steel, stainless steel, GRP, plastic
Inline design	Yes



JET FILTER S (JET-S)

COMPACT AUTOMATIC FILTER WITH NO MOVING PARTS

Due to its electronic controller, the JET Filter S is immediately ready for use as a complete module. The filter element can be exchanged without removing the filter. It is suitable for universal use in practically all areas of application.

TECHNICAL DATA

Flow rate	max. 125 m ³ /h
Filter fineness	≥ 50 μm
Operating pressure	1.5 to 25 bar
Flanges	DN 50 to 150
Automatic cleaning	Yes
Filter housing	Stainless steel, plastic



PLATE FILTER (PLF)

SOLID INLINE FILTER FOR COARSE FILTRATION

The plate filter is a solid inline filter with an inclined filter plate. This type of filter enables both manual and automatic backwashing.

TECHNICAL DATA

Flow rate	max. 2,500 m ³ /h
Filter fineness	≥ 500 μm
Operating pressure	1.5 to 25 bar
Flanges	DN 80 to 500
Automatic cleaning	Yes
Filter housing	Cast iron, GRP
Inline design	Yes

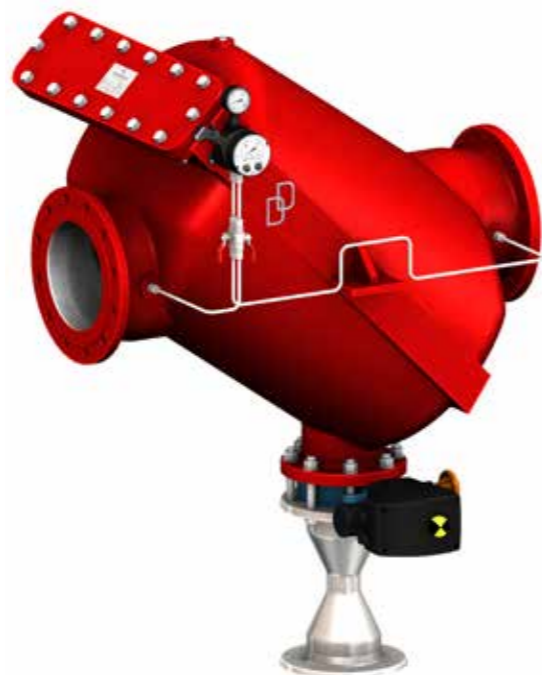
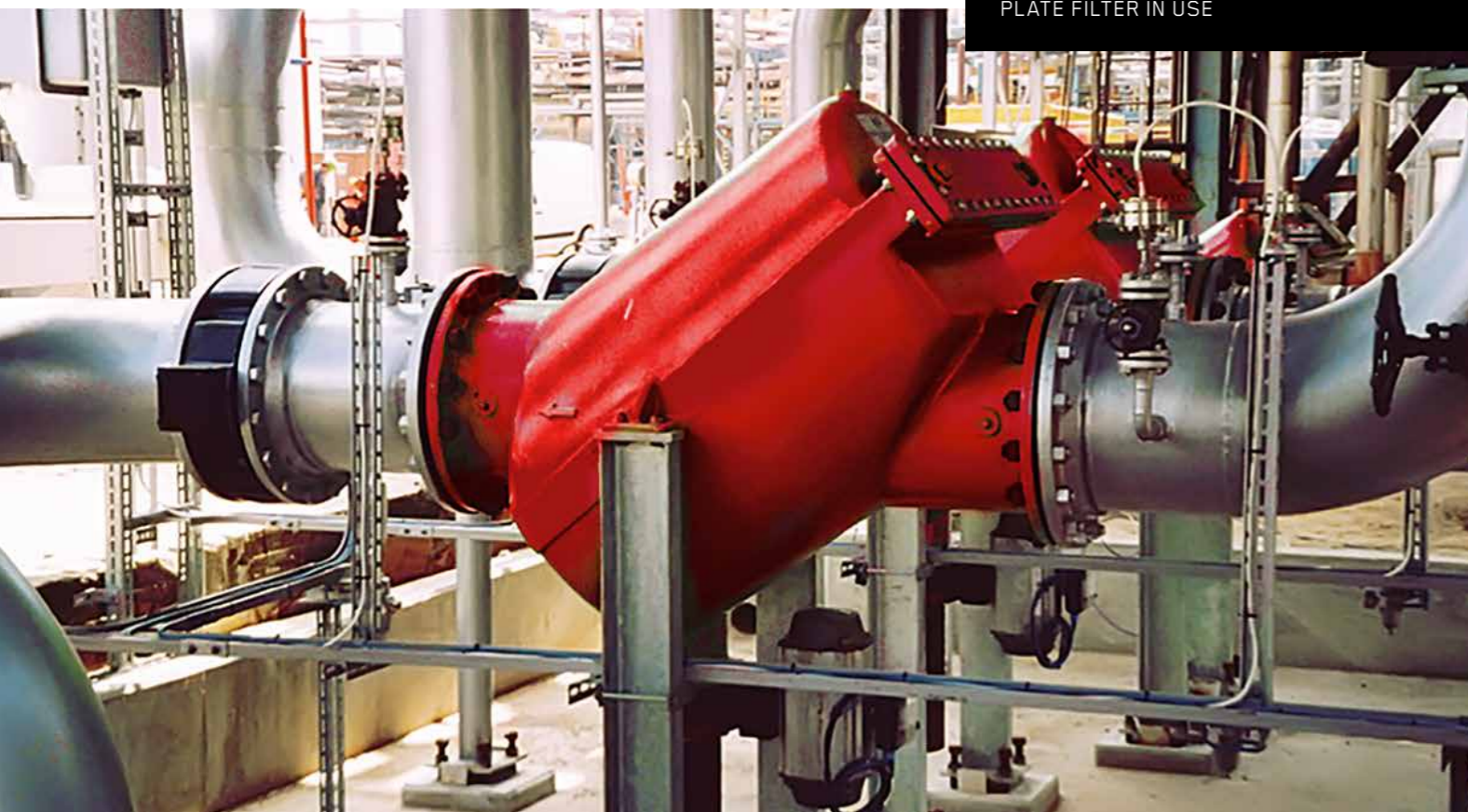


PLATE FILTER IN USE



ADVANTAGES

AUTOMATIC FILTERS



- ⊕ High cleaning speed (4-10 m/s)
- ⊕ 100% cleaning of the entire filter area
- ⊕ Shredding of coarse particles
- ⊕ Uniform feeding of the entire filter area
- ⊕ Fine filtration ≥ 5 μm possible
- ⊕ Fitted with wedge-wire screens, wire mesh or perforated plates
- ⊕ Completely pre-wired and tested unit
- ⊕ Various installation positions possible

MANUAL FILTERS

SINGLE FILTER (EF 15)

MANUAL FILTER – PURE AND SIMPLE

Manual filter which separates particles from the volume flow with the aid of a filter basket.

TECHNICAL DATA

Flow rate	max. 635 m ³ /h
Filter fineness	≥ 10 μm
Operating pressure	0 to 16 bar
Flanges	DN 25 to 300
Automatic cleaning	No
Filter housing	Cast iron
Inline design	Yes



SINGLE FILTER (EF 30)

MANUAL FILTER WITH A HIGH DIVERSITY OF MATERIALS

Manual filter which separates particles from the volume flow with the aid of a filter basket. This product impresses with a larger filter area.

TECHNICAL DATA

Flow rate	max. 7,000 m ³ /h
Filter fineness	≥ 10 μm
Operating pressure	max. 63 bar
Flanges	DN 15 to 1,000
Automatic cleaning	No
Filter housing	Steel, stainless steel, GRP, plastic
Inline design	Possible



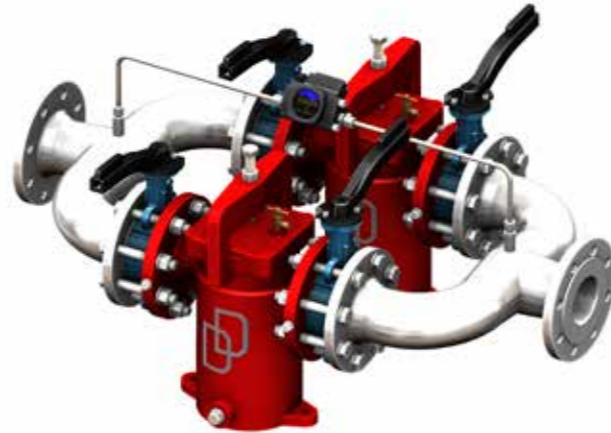
DUPLEX FILTER (DF 20)

CONTINUOUS FILTRATION WITH MANUAL SWITCHING

Unlike the Single Filter, the Duplex Filter features four shut-off valves that enable the operator to select which filter should be switched to operation and which to standby. This allows continuous filtration with no interruption of operation.

TECHNICAL DATA

Flow rate	max. 160 m ³ /h
Filter fineness	≥ 10 μm
Operating pressure	0 to 16 bar
Flanges	DN 25 to 150
Automatic cleaning	No
Filter housing	Cast iron
Inline design	Yes



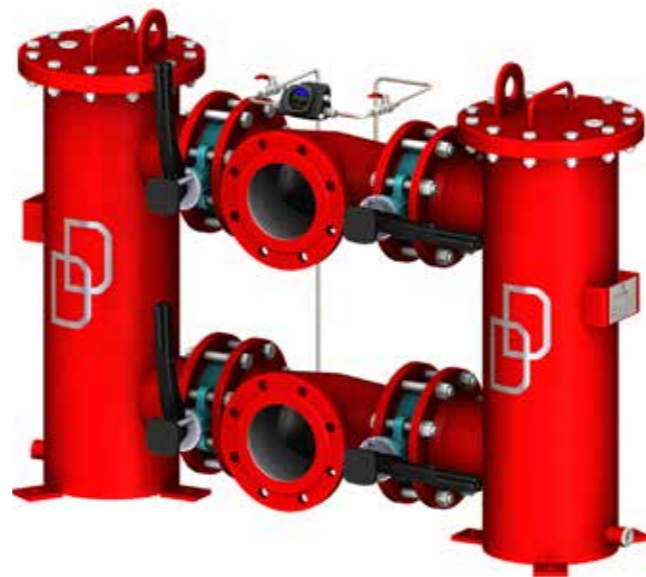
DUPLEX FILTER (DF 40)

CONTINUOUS FILTRATION WITH A HIGH DIVERSITY OF MATERIALS

Unlike the Single Filter, the Duplex Filter features a switching unit that enables the operator to select which filter should be switched to operation and which to standby. This allows continuous filtration with no interruption of operation.

TECHNICAL DATA

Flow rate	max. 1,800 m ³ /h
Filter fineness	≥ 10 μm
Operating pressure	0 to 63 bar
Flanges	DN 15 to 500
Automatic cleaning	No
Filter housing	Steel, stainless steel, GRP, plastic



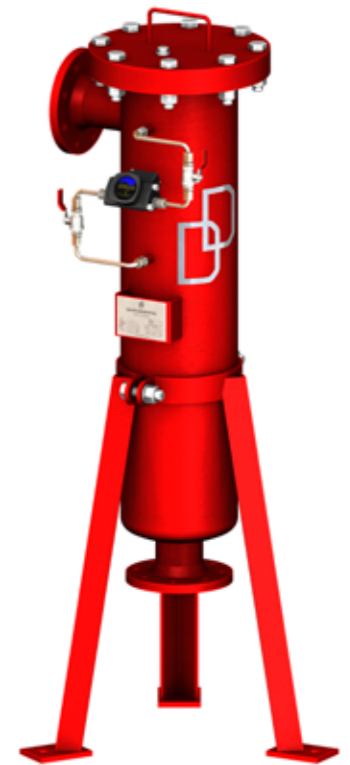
BAG FILTER (EFB-S)

MANUAL FILTRATION DOWN TO 1 μm

Manual filter whose filter element can be made of different materials, such as nylon or needle felt. Fine filtration down to 1 μm and a large filter area are the highlights of this filter.

TECHNICAL DATA

Flow rate	max. 60 m ³ /h
Filter fineness	≥ 1 μm
Operating pressure	0 to 63 bar
Flanges	DN 50 to 100
Automatic cleaning	No
Filter housing	Steel, stainless steel, plastic



MULTI-BAG FILTER (EFB-M)

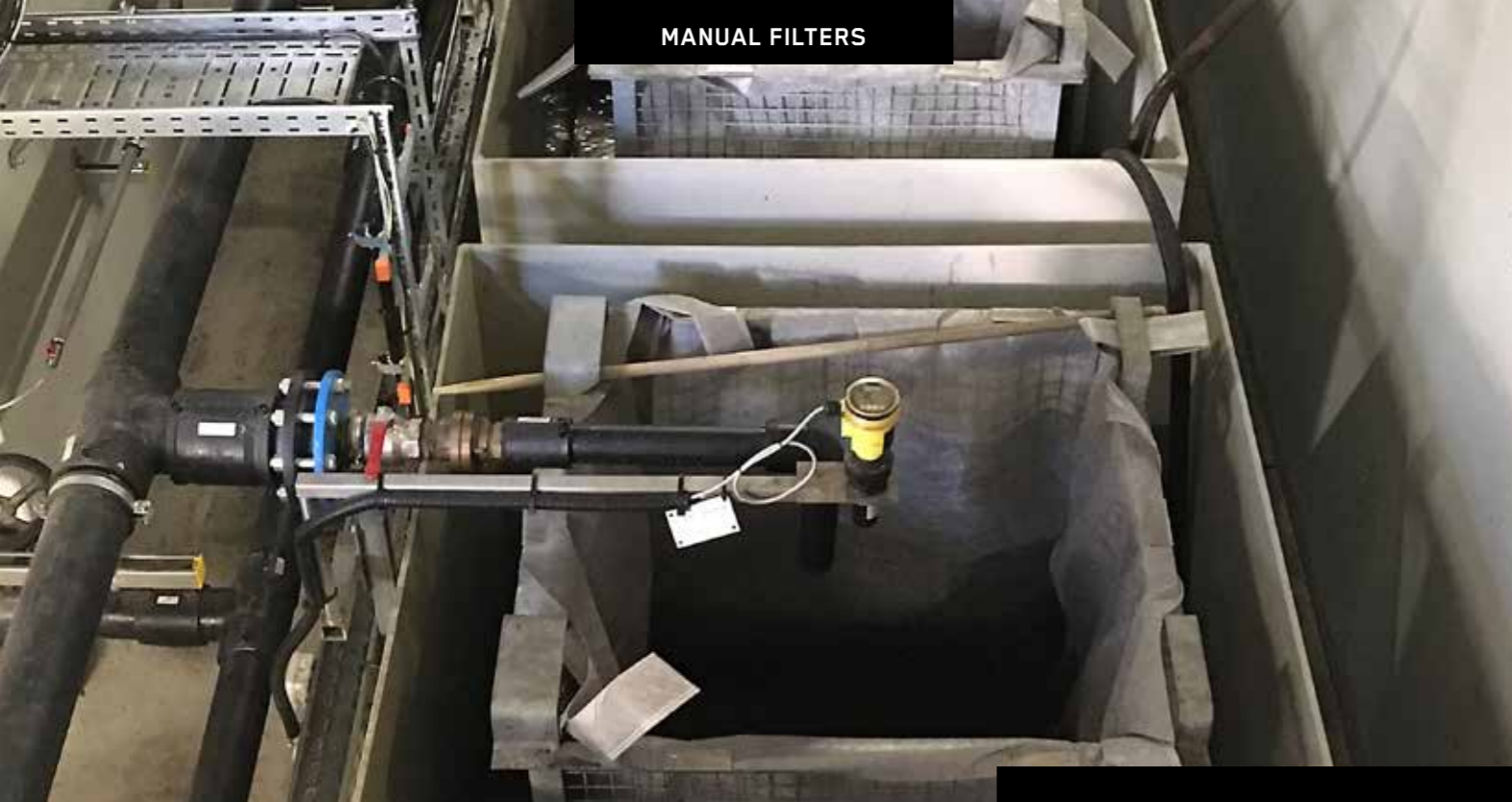
BAG FILTER FOR HIGHER FLOW RATES

The Multi-Bag Filter includes multiple filter bags integrated into a single filter housing. This makes it possible to achieve higher flow rates and longer service life.

TECHNICAL DATA

Flow rate	max. 360 m ³ /h
Filter fineness	≥ 1 μm
Operating pressure	0 to 63 bar
Flanges	DN 100 to 500
Automatic cleaning	No
Filter housing	Steel, stainless steel, GRP, plastic





SCHLAMMCON IN USE

SLUDGE DEWATERING DEVICE (SCHLAMMCON)

BACKWASH WATER TREATMENT

A filter box bag retains coarser particles inside the sludge dewatering device. The bottom can be swung open to allow the easy disposal of the full filter box bag. This system can be combined with our automatic filters.

TECHNICAL DATA

Flow rate	1 m ³ /h
Filter fineness	≥ 5 μm
Manual cleaning	Yes
Filter housing	Steel, stainless steel



ADVANTAGES MANUAL FILTERS



- ⊕ Low investment costs
- ⊕ Robust design
- ⊕ Diversity of materials
- ⊕ No interruption of operation during manual cleaning (DF 20/DF 40)
- ⊕ Filter monitoring by differential pressure indicator
- ⊕ Fine filtration down to 1 μm possible
- ⊕ Filtration possible at low and high flow rates

SEPARATORS

SEPARATOR (SPR)

FILTER WITH CENTRIFUGAL SEPARATION

Particle separation is ensured by the combination of centrifugal separation in the outer vortex and inner vortex and the inertia at the slotted tube.

TECHNICAL DATA

Flow rate	max. 250 m ³ /h
Filter fineness	≥ 5 μm
Operating pressure	2 to 63 bar
Flanges	DN 50 to 200
Filter housing	Steel, stainless steel, plastic
Inline design	Yes



MULTI-SEPARATOR (SPR-M)

CENTRIFUGAL SEPARATOR FOR HIGHER FLOW RATES

The Multi-Separator includes multiple separators integrated into a single housing. This allows effective separation at higher flow rates.

TECHNICAL DATA

Flow rate	max. 3,000 m ³ /h
Filter fineness	≥ 5 μm
Operating pressure	2 to 63 bar
Flanges	DN 150 to 700
Filter housing	Steel, stainless steel



ADVANTAGES SEPARATORS



- ⊕ Separation of high solid quantities
- ⊕ Robust design
- ⊕ Diversity of materials
- ⊕ Wear and tear (no moving parts in the filter)
- ⊕ Easy installation
- ⊕ Low concentrate losses



MORE VALUES



EXPERIENCED PARTNER

All DANGO & DIENENTHAL filters are handled by our specially qualified and regularly trained staff. Both our mechanical production and assembly departments have extensive expertise.



CERTIFIED TESTING

Our certified quality management system enables seamless monitoring and control of all production steps. This ensures early detection and troubleshooting, enabling us to offer you a high level of quality.



THE TEAM AT YOUR SIDE

If you require staff for training or maintenance at your company, don't hesitate to contact us. Our specially qualified employees will be happy to assist you.



IDEAL PRODUCTION CONDITIONS

We have been producing filters in our factory in Siegen, Germany, since 1941. Our continuously improved, state-of-the-art range of machinery and modern factory buildings provide an environment that is essential for manufacturing high quality products.

SHAPE BETTER VALUES

CLOSER. BETTER. SIMPLER.

We make sure that you get the filter that is perfectly suited to your application. Our engineering office will design the filter to match your operating parameters. This allows us to adapt our product to your specific use.

WE ARE THERE TO ASSIST YOU

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Monday-Friday:

8:00 a.m. – 4:00 p.m. (CET)

(except for holidays)

Or by e-mail: post@dds-filter.com

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