



Mayfran offers more.

MAYFRAN DEEPBED PAPER FILTER SYSTEM

The compact paper filter unit



MAYFRAN DEEPBED PAPER FILTER SYSTEM

The Mayfran Deepbed Paper Filter (DPF) filters out swarf chips and fine particles from cutting fluids used in metal cutting processes

DPF is the compact and cost-effective paper filter model, and it is specially designed to challenge modern day space constraints while assuring filtration performance and minimizing paper consumption.

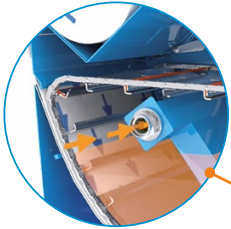
FEATURES AND BENEFITS

- Compact Design (40% smaller)
- High filter fineness
- User Friendly (100% automated)
- Integrated cleat scraper for effective swarf discharge
- Tank sizes from 400 to 2,800 L
- Improved sealing function realized with a special Tsubaki chain

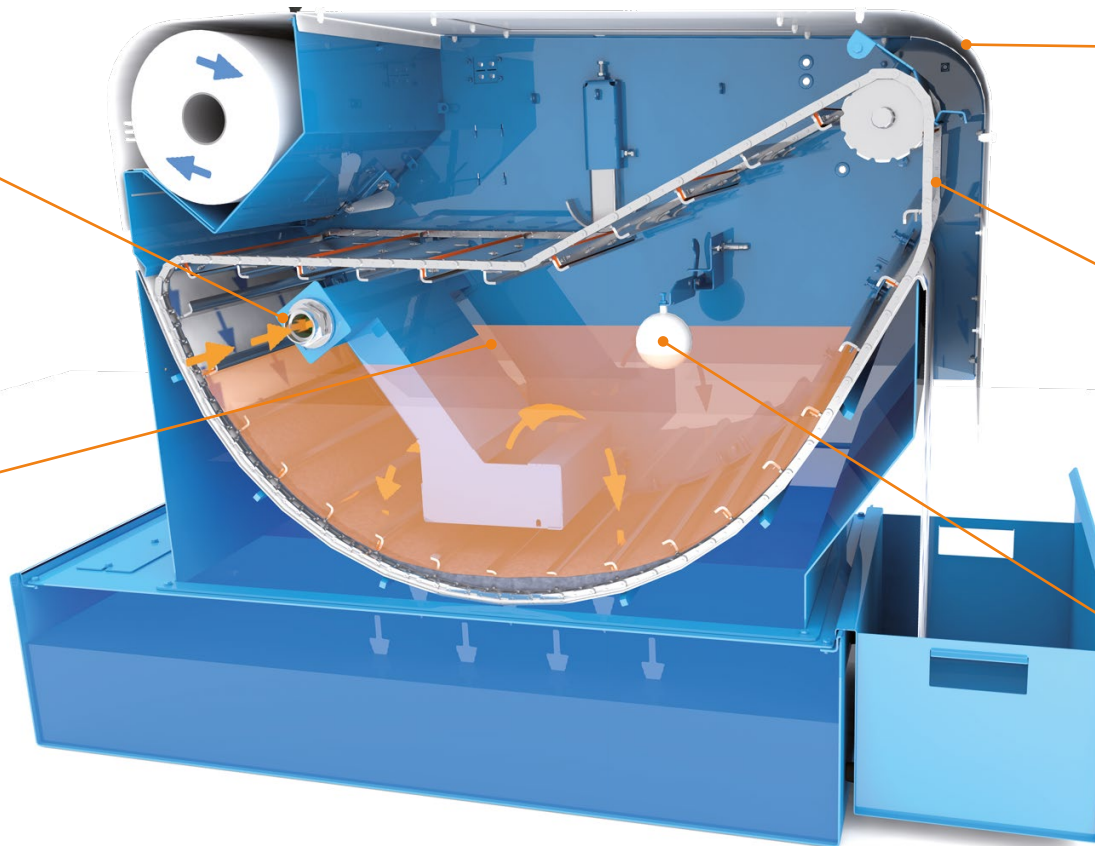
IT IS SUITABLE FOR

- Short, broken metal swarf
- Turning, milling, drilling and grinding
- All machining processes
- Machining centers and high-pressure units

Contaminated cutting fluid enters the filter unit from the side into the inlet diffuser.



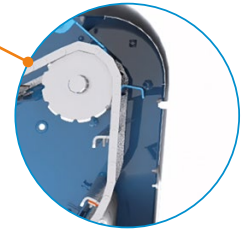
The coolant flows through the paper media into the clean tank while swarf and other residue from the cutting process is retained.



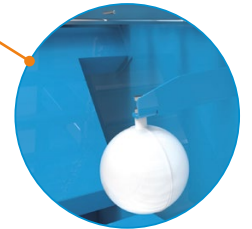
Contaminated paper, swarf and residues are transported by the conveyor into the collection bin



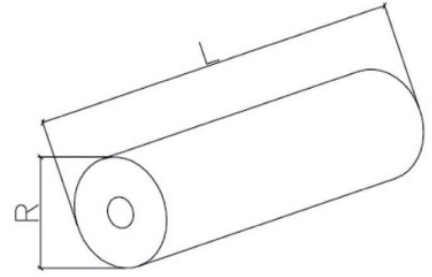
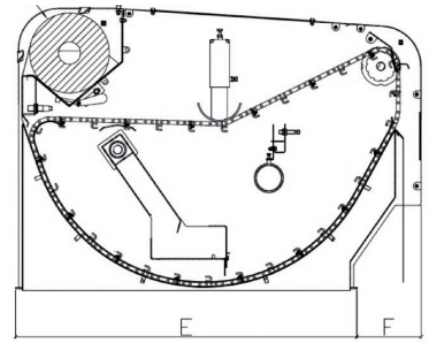
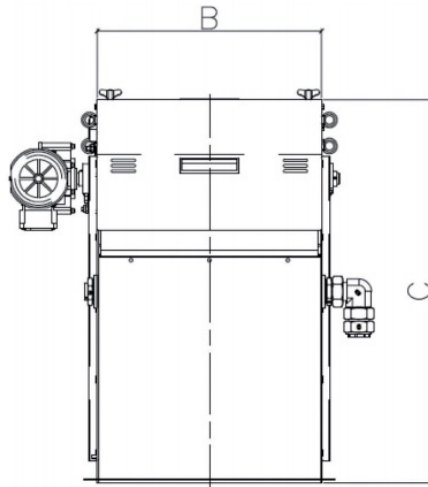
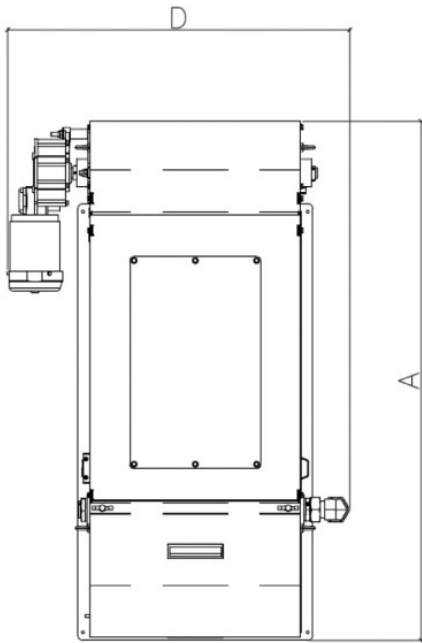
A scrap pendulum at the discharge assures cleaning of remaining dirt on the cleats



A level sensor triggers transport of the paper when a thick filter cake has formed.



DIMENSIONS AND TECHNICAL DATA



Frame Dimensions

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
DPF300D	1,055	515	882	773	690	365
DPF400D	1,430	515	882	838	1,070	360
DPF500D	1,278	715	882	1,038	1,070	208
DPF700D	1,278	1,015	1,338	1,015	1,070	208

Version 8/2021

Paper Dimensions

Model	R (max) (mm)	L (mm)
DPF300D	250	500
DPF400D	250	500
DPF500D	250	700
DPF700D	250	1,000

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Flow Rate

Model	Emulsion 1 cSt	Oil 15 cSt
DPF300D	300	180
DPF400D	400	240
DPF500D	500	300
DPF700D	700	420

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MORE FLEXIBILITY

Suitable for all machining processes

Tanks sizes with variable capacity

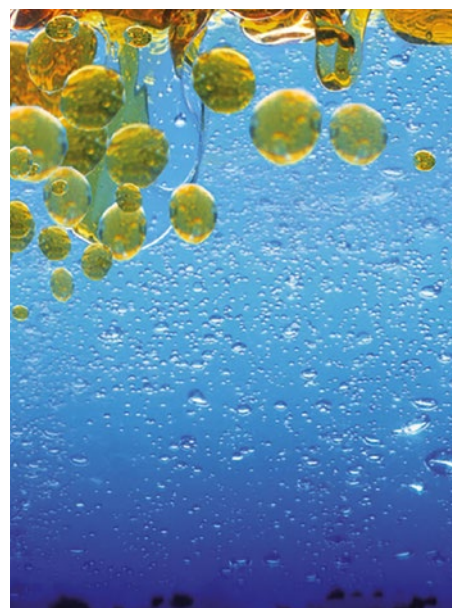
Low space requirement thanks to its compact design



MORE CLEANLINESS

Cleaning of cutting fluids up to 15 – 25 microns nominal

Hydrostatic pressure used to achieve efficient filtration of the cooling lubricant

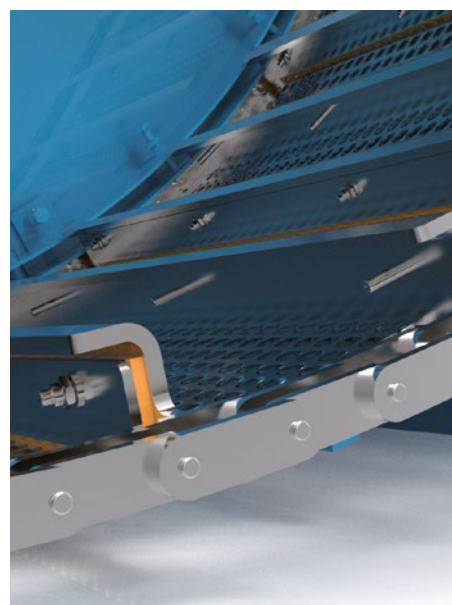


MORE EFFICIENCY

100 % side seal efficiency by special Tsubaki chains

100 % automated system

Low paper consumption



MACHINE TOOL PRODUCTS

- Swarf conveyor
- Scraper conveyor
- Single filter
- Pumpstations
- Fittings

COOLANT FILTRATION SYSTEMS AND SWARF PROCESSING

- Coolant filter systems
- Refillmatic
- Conveying systems
- Swarf processing systems
- Swarf centrifuges
- Swarf crusher
- Fittings

SCRAP TRANSPORT AND RECYCLING

- Scrap feeding conveyors
- Metal working conveyors for general use

STAMPING AND PRESS-INDUSTRY

- Conveyors for parts & press scrap
- Shuffle conveyor

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