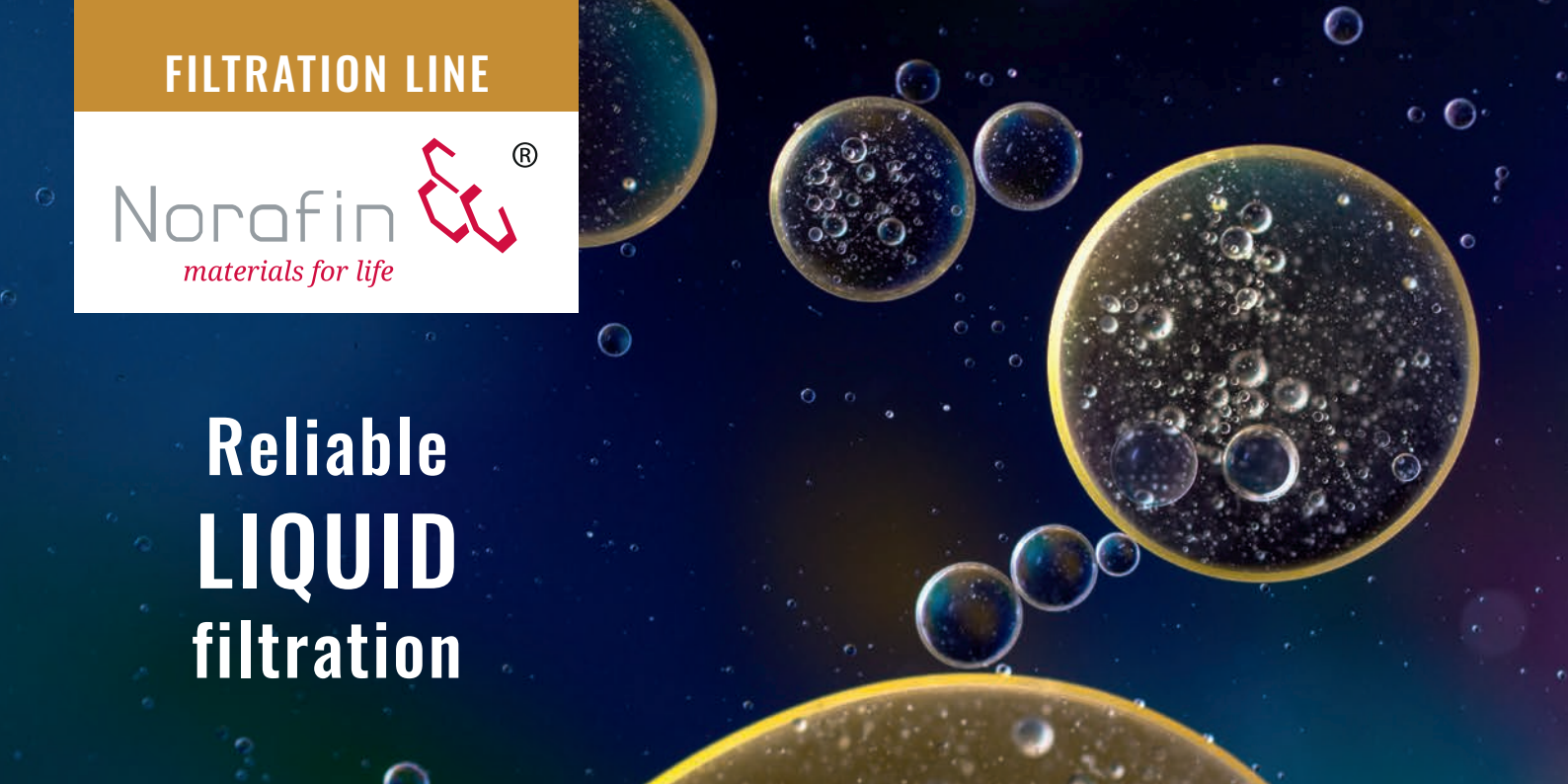


FILTRATION LINE

Norafin  <sup>®</sup>  
*materials for life*

Reliable  
**LIQUID**  
filtration





Scan  
me

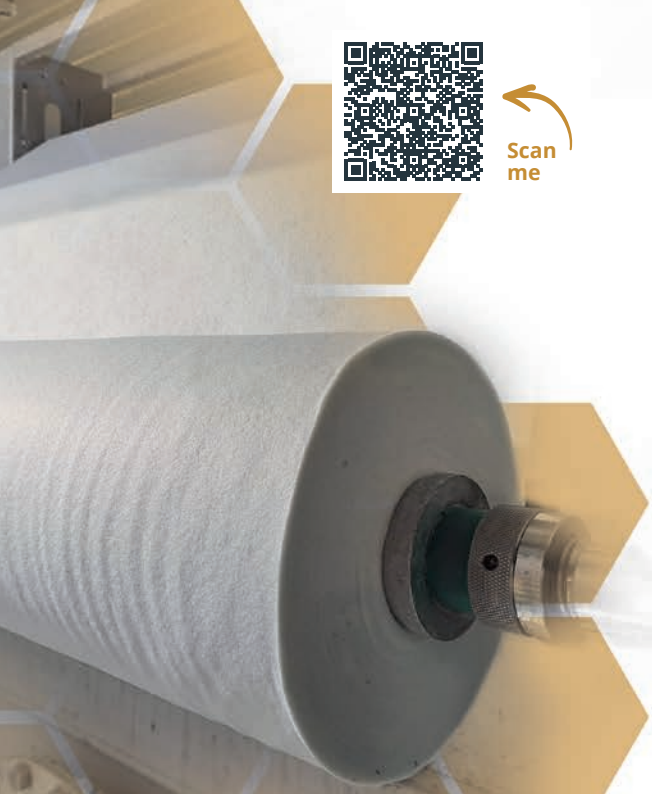
## *Filter media for belt filters*

Depending on the application, we produce an efficient spunlace filter media for surface filtration or can offer a needlefelt product with high absorption for depth filtration.

- ✓ **Wide product range for different filter systems**
- ✓ **Constant high quality direct from the producer**
- ✓ **Stable and reliable availability**
- ✓ **Personal support for technical challenges and problems**
- ✓ **Products are available in different widths and sleeve diameters**

### **TYPICAL APPLICATIONS:**

Gravity belt filters  
Inclined belt filters  
Compact belt filters  
Vacuum filters  
Pressure belt filters



## NEEDLE PUNCH\*

	01908.99	00061.99	01854.99	00175.99	02153.99	01904.99	01709.99	02434.99
	PET/ PET Bico	PET	PET/ PET Bico	PET	PET/ PET Bico	PET/ PET Bico	PET	PET
Weight (g/m <sup>2</sup> )	80	100	130	150	150	150	280	150
Thickness (mm)	1.14	1.73	1.23	1.31	1.56	3.28	2.57	1.5
Air flow (l/dm <sup>2</sup> /min)	2,545	1,270	1,584	1,960	1,430	2,340	873	2,250
Pore size (µm)	57	48	67	57	46	150	28	29

## HYDRO- ENTANGLED\*

	01788.99	01789.99	01790.99	02095.99
	PET/ PET Bico	PET/ PET Bico	PET/ PET Bico	PET
Weight (g/m <sup>2</sup> )	50	70	100	100
Thickness (mm)	0.5	0.7	0.9	1.6
Air flow (l/dm <sup>2</sup> /min)	2,800	2,300	1,600	4,500
Pore size (µm)	130	65	60	134

\* Other alternatives are possible on request

Norafin  <sup>®</sup>  
CRYSTALEN






## *Filter media for fuel filtration*

Our nonwovens, engineered for fuel and lubricant filtration, prevent the finest contaminants or water from penetrating the engine.

Especially when it comes to keeping diesel fuel clean, the highest requirements apply, which our filter nonwovens meet, e.g. in the filtration of additives.

- ✓ **Nonwovens for each type of drive**
  - ✓ **Very good separation of fine particles and other contaminations**
  - ✓ **Long lifetime**
  - ✓ **Warranty of a stable flow rate**
- 

# *Filter media for coalescing applications*

Norafin provides customer specific nonwoven solutions. These can prevent deposits of solid particles and aerosols in machines or system components. Used in coalescing filters, our filter media prevent penetration of the finest oil droplets and keep the ambient air clean, thus extend the service life of the equipment and maintenance cycles.

## **TYPICAL APPLICATIONS:**

Grinding machines  
dipping or cooling baths  
electric discharge machining  
milling machines  
drilling machines

- ✓ **high durability, stability and reliability during operation**
- ✓ **Flow rates from 50 to 3000 l/dm<sup>2</sup>/min**
- ✓ **customized solutions**





## *Filter media for the Food Industry*

As the highest level of purity is required in the food industry, we develop appropriate solutions for efficient filter nonwovens in close coordination with our customers' requirements.

- ✓ **100% food grade**  
(FDA and EU certification)
- ✓ **durable, effective and cost-saving**
- ✓ **customized solutions**
- ✓ **processing of cellulose-based fibers (viscose) with FSC™-certification for various applications**

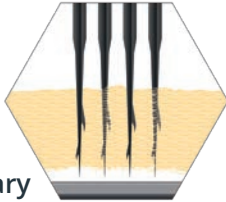
### **AREAS OF APPLICATION:**

Drinking water production  
Breweries  
Oil production  
Beverage industry  
Milk filtration

# Technology comparison

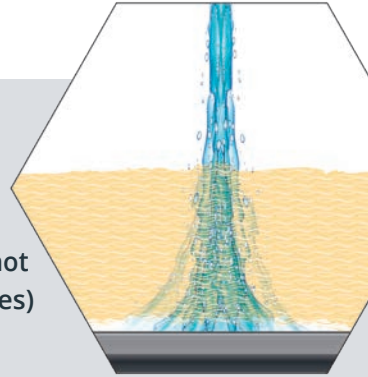
## Needle Punch

- ✓ **Higher pore size through strengthening process** (higher weights are necessary to achieve the desired separation efficiency)
- ✓ **Some of the dust cake remains in the filter media after dedusting** (no entire dedusting possible)
- ✓ **Limited choice of support scrims** (no metal scrims possible)



## Hydroentanglement

- ✓ **No perforation of the nonwoven in the hydro-entangled process** (fibers are not exposed to mechanical stresses)
- ✓ **High material density, thus denser pores and better pore size distribution**
- ✓ **High homogeneity of the surface** → better dedusting, higher filtration efficiency
- ✓ **Multi-layer technology** (integration of metal scrims possible)



*We are your contact for nonwoven solutions  
in the field of filtration.*



F-liquid 02/2023



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