

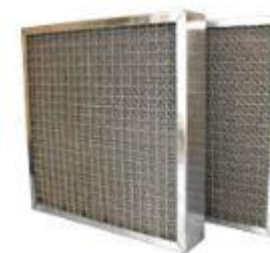
Knitted Rolled-Goods



Droplet Separator



Separating Plates



Filter Elements



Gearbox Ventilation



Piston Filter

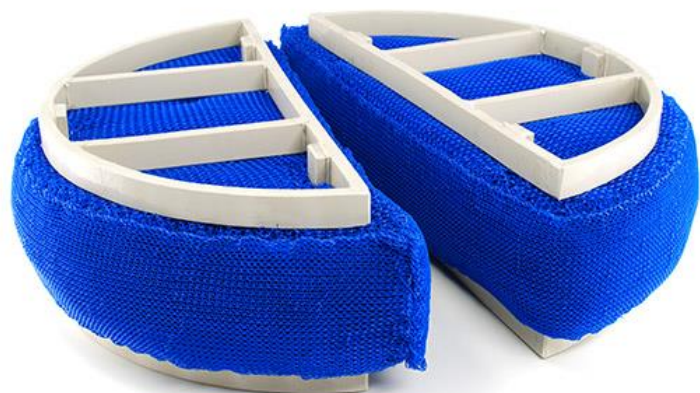


# Knitted-Rolled Goods

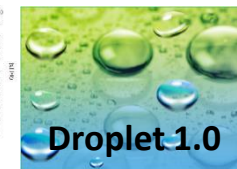
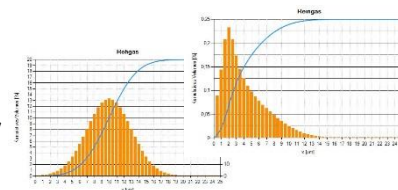


- **Knitted wire mesh** is a wire or fiber structure which is composed of sling formed meshes produced by the conventional needle knitting process.
- **Used materials:**
  - Metal (stainless steel, copper, brass, monel, etc.)
  - plastics ( PA, PP, PES, PVDF, PTFE, PFA, etc.)
  - Combination materials (metal/plastics)
- **Knitting wide** : 5 to 1200 mm
- **Wavy knitting execution:** diagonal- or arrow waved
- Manufacturing according to customer specific requirements

# Droplet Separator



- **Wide range of materials:**
  - All current rust- and acid resistant steels
  - Special materials: monel, titanium, copper, nickel, etc.
  - Plastics: PE, PP, PVC, PVDF, ETFE, PFA, etc.
  - Fiber materials: PP-fiber, PES-fiber, Glass fiber etc.
- **Production types:**
  - Size of the droplet separator from 50 mm to 10 m or more
  - One-piece or multi-part, with and without support grids
- **Applications:**
  - Chemical and petrochemical industry
  - Scrubber und stripper
  - Seawater desalination plants and distillation columns
- **Own design software:**
  - Customized design
  - Optimized separation efficiency





# Separating Plates



- **Wide range of materials:**
  - Stainless steels: 1.4301, 1.4541, 1.4571, etc.
  - Special material: galvanized steel, aluminum, etc.
  - Plastics: PE, PP, PVC, PVDF, ETFE, etc.
  - Fiber materials: Metal fiber, PP-/ PES- fiber, Glass fiber
- **Production types:**
  - Size: flexible dimensions to meet customer requirements
  - One-piece or multi-part, also with accessories such as handles
- **Applications:**
  - Particle separation: preliminary filtration at high aerosol concentrations
  - Oil- and emulsion mist separation
  - Machine tools
- **Environmentally friendly:**
  - Long tool life
  - Reusable by cleaning

# Filter Elements



- **Materials:**
  - Stainless steels: 1.4301, 1.4571, 1.4841, etc.
  - Special materials: hastelloy, monel, nickel, etc.
  - Other metal: aluminum, copper, silver, etc.
  - plastics – und combination materials: PP, PTFE, PVDF, PES-fiber, PP-fiber, etc.
- **Production types:**
  - Sizes: adapted to your requirements, possibility of special shapes
  - One- ore multi-threaded enmeshed
  - Wire diameter from 0,05 mm to 0,5 mm
- **Applications:**
  - Particle- and droplet separation
  - Decoupling- and noise reduction
  - Sealing applications
  - Catalytic applications

# Gearbox Ventilation



## Two product lines **F – 1451** und **F-2033**



- **F-1451 for normal operation conditions:**

- Version with a filter element for normal operation - splash - and dropper - proof
- Sizes in stock and material: R1/8 up to R2, M8 up to M38

- **F-2033 for stringent operation conditions:**

- Splash proof (exogenous)
- Splash oil proof by a perforated pipe (exogenous)
- A design with a special filter for high dust loads and high-speed gearboxes
- Sizes in stock: R1/4 up to R1, M14 up to M42

- **Materials:**

- Stainless steel
- Galvanized steel

# Piston Filter



- **Materials:**
  - Stainless steel, steel painted
- **Production types:**
  - Basic version with a filter element made of galvanized knitted wire mesh
  - With pump clamp or massiv flansh and fasteners
  - Special design with mat of fibers filter element
- **Applications:**
  - Efficiency removes dust from the suction side of fans, blowers and motors
- **Advantages:**
  - Replaceable filter element
  - High volume flows are possible
  - Low pressure losses

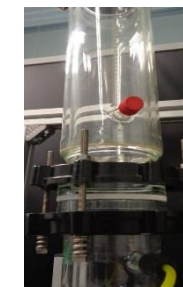


# Technical Center-Pilot Plants



- **Gas/Liquid:**

- Oil- and emulsion mist
- Foam destruction
- Flow channel



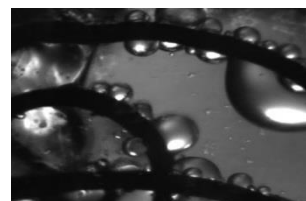
- **Liquid/Liquid:**

- Coalescence support
- Hydrodynamic and mass transfer assets



- **Application-specific analytic methods:**

- Pressure Drop/ Separation efficiency
- Drop size performance (Laser/ CCD)
- GC-Analytic
- Determination of rheological properties





# Production plant

