

Filter housings



Lenzing Technik

Filtration and Separation

About us

Lenzing Technik: Filtration and Separation

30 years experience in liquid filtration, continuous improvement, high vertical integration due to diverse manufacturing groups in house and stringent quality standards made us an international market leader in many industrial sectors.

Our applications:

Besides a large number of applications for solid-liquid filtration in various industrial sectors we are offering systems specially designed and optimized for specific processes:

- **Pulp and paper industry:**
Cost efficient filtration of large mass flows with low particle concentration. Preparation of process water and treatment of waste water.
- **Man made fiber and film:**
Long-time market leadership in filtration of high viscose spinning and film casting solutions with automatic backwash filters.
- **Electronics and photovoltaic:**
Automatic and manual filter systems for microfiltration of cooling water for wafer manufacturing.
- **Steel industry:**
Economical automatic systems for filtration of cooling water circuits with high amount of cinder.
- **Galvanic/Surface treatment:**
Automatic filter systems for efficient maintenance of galvanic baths as well as cleaning and degreasing baths.
- **Water preparation:**
Economic systems for automatic microfiltration of river water, seawater and waste water.
- **Electric power plants:**
Micro-filtering backwash filters replace large and costly sand filters in preparation of boiler feed water and cooling tower makeup water.
- **Chemicals/paints and varnishes:**
Filtration of chemicals, paints and varnishes prior to filling.

Our systems are filtering following fluids:

- **Spinning solutions**
(Viscose, acrylic, polyimide, cellulose acetate, spandex, aramide, PVA)
- **High viscose fluids:**
(Resins, varnishes, foodstuff, glues, petrochemical products)
- **Chemicals:**
(Acids, lyes, solvents)
- **Water:**
(Industrial process water, river water, seawater, drinking water, DI-water, circulation water, waste water)
- **Drinks and foodstuff:**
(Juices, wine, beer)
- **Oils**
(Mineral oil, synthetic oil, hydraulic oil, lube oil, gear oil)

Our competences:

Own engineering and design department

In-house manufacturing department with up to date machining centers

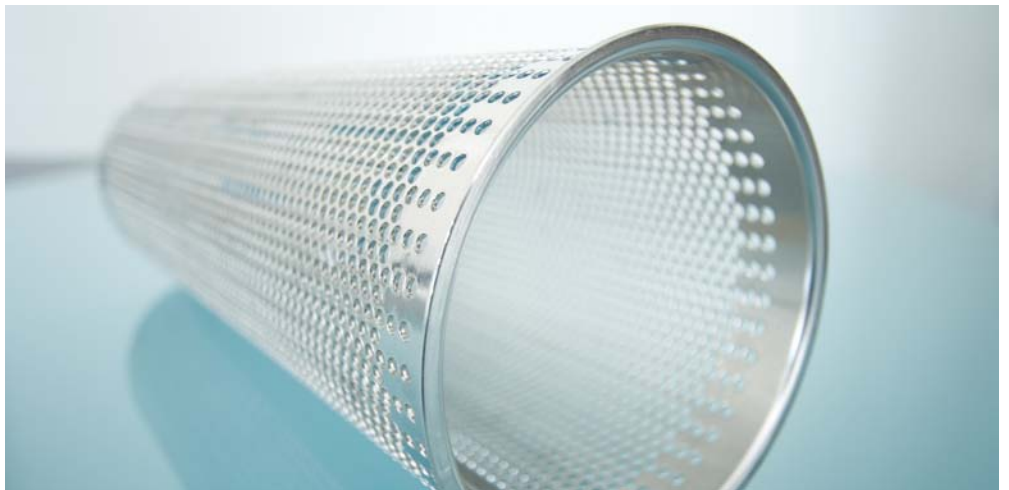
In-house automation department

Piping and apparatus manufacturing in all materials of construction

Orientation trial and analyses in our own laboratory

Piloting and customer specific analyses

Turn key systems



Filter housings



Single cartridge housings

LT-KFA...

- Closing design: vee clamp
- Operating pressure: 10 bar (20 bar upon request)
- Temperature range up to 150°C
- Cartridge length: 10", 20", 30", 40"
- Material AISI 304, AISI 316L, Hastelloy, special design
- Finish: inside pickled, outside mechanical polishing
- End cap style: DOE, Code 3, Code 8



Multi cartridge housing

LT-KFDA...

- Closing design: lid incl. eyebolts
- Nominal pressure: 10 bar
- Temperature range: 110°C
- Cartridge length: 30", 40"
- Number of elements: 3 to 22
- End cap style: DOE, Code 3, Code 7, Code 8 cartridges
- With and without CE certification available
- Connections variable
- Special design available



Single bag Side Liner

LT-BFBC... (Eco)

- Closing design: flange lid incl. eyebolts
- Nominal pressure: 10 bar
- Material AISI 304, AISI 316L
- Finish: inside pickled, outside mechanical polishing
- Temperature range: 110°C
- Bag size: 1, 2
- Ring design: steel/stainless steel and plastic ring ϕ 7"
- Connections variable
- Special design available
- Only for not dangerous fluids (group 2)



Hygienic design filter housings

LT-KFH...

- Closing design: lid incl. eyebolts or vee clamp
- Operating pressure: 10 bar
- Temperature range: 110°C
- Cartridge length: 10", 20", 30", 40"
- Number of elements: 1 to 24
- End cap style: Code 7, Code 8 cartridges
- With and without CE certification available
- Connections variable
- Special design available



Multi cartridge housing

LT-KFDB...

- Closing design: lid incl. eyebolts and lifting device
- Nominal pressure: 10 bar
- Temperature range: 110°C
- Cartridge length: 30", 40"
- Number of elements: 13 to 160
- End cap style: DOE, Code 3, Code 7, Code 8 cartridges
- With and without CE certification available
- Connections variable
- Special design available



Single bag Side Liner

LT-BFBD

- Closing design: hinged lid incl. eyebolts
- Nominal pressure: 10 bar (size 1 and size 2), 20 bar (size 3 and size 4)
- Material AISI 304, AISI 316L
- Finish: inside pickled, outside blasted
- Temperature range: 110°C
- Bag size: 1, 2, 3, 4
- Ring design: plastic ring ϕ 7" (size 1 and size 2) and steel/stainless steel ring and plastic ring ϕ 4,25" (size 3 and size 4)
- With and without CE certification available
- Connections variable
- Special design available



Single bag Top Liner

LT-BFD...

- Closing design: lid incl. eyebolts
- Nominal pressure: 10 bar, 20 bar
- Material AISI 304, AISI 316L (special designs upon request)
- Finish: inside pickled, outside blasted
- Temperature range: 110°C
- Bag size: 1, 2
- Ring design: steel/stainless steel and plastic ring ø 7"
- With and without CE certification available
- Connections variable
- Special design available



Multibag housing

LT-BFM...

- Closing design: lid incl. Eyebolts, vee clamp or special design
- Nominal pressure: 6 bar or customer specific
- Material: AISI 304, AISI 316L, Hastelloy, special design
- Finish: inside pickled, outside blasted or customer specific
- Temperature range: 110°C
- Bag size: 2
- Number of bags: 2 to 12
- Ring design: steel/stainless steel and plastic ring ø 7"
- With and without CE certification available
- Connections variable
- Special design available



Special housings

- Customer specific manufacturing
- Nominal pressure: 10 to 20 bar
- Material AISI 304, AISI 316L, Hastelloy, special design
- Finish: customer specific
- With and without CE certification available
- Connections variable
- Applications: multimedia filter, ion exchanger, autoclave ...



Plastic bag filter housing

LT-KFK...

- Single bag housing
- Nominal pressure: 6 bar
- Temperature range: 60°C
- Materials: PP, PVDF upon request
- Bag size: 2, 5
- Connections: 2" or variable
- Ring design: steel/stainless steel and plastic ring ø 7" (size 2), plastic ring ø 6" or special element (size 5")
- With and without CE certification available

Our product portfolio includes a wide variety of types of filter bags and cartridges on stock. We are happy to send you the appropriate product folder or to be at your disposal for a comprehensive application consultation.





Filtration and Separation

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Automatic backwash filter ■ Microflotation ■ Cake filtration ■
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