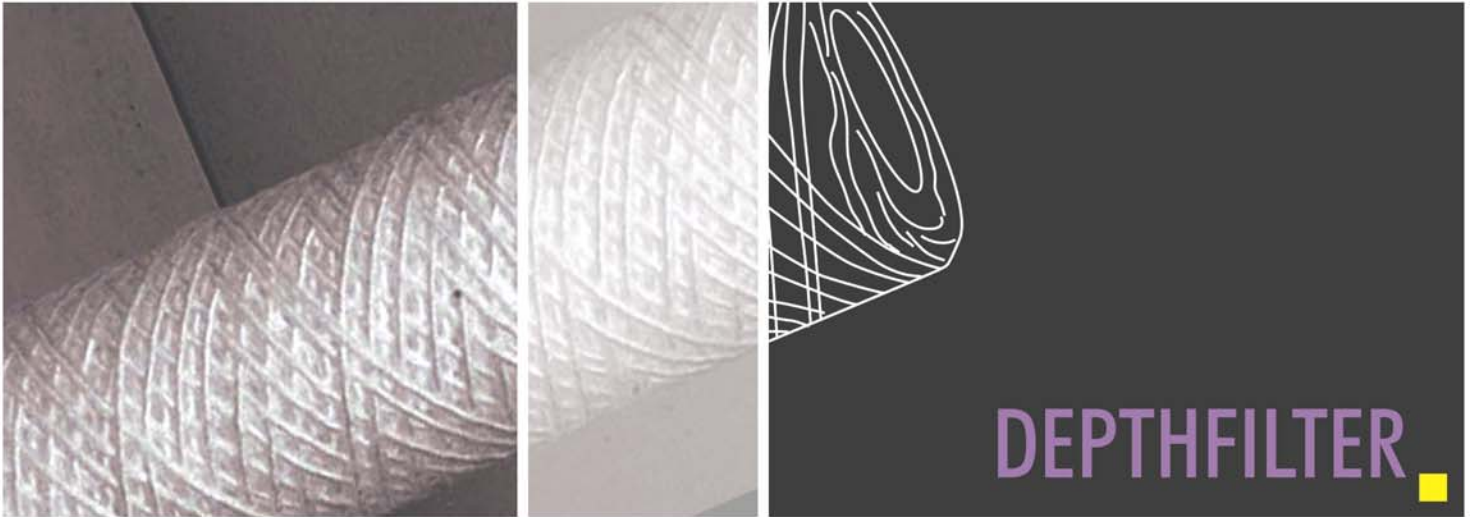


Filterelemente / Filtergehäuse

FILTRATION
& SEPARATION



DEPTHFILTER

Depthfilter

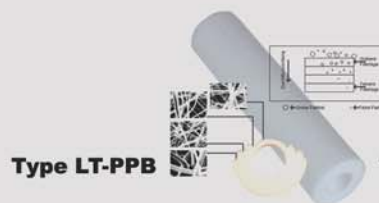
- available in nominal and absolute retention rates
- materials: polypropylen, cotton, phenolic resin including acrylic fiber
- suitable mainly for clarification of liquids
- technical datas, types und applications see table



Type LT-PPC

String wound elements

- material: polypropylen or cotton
- polypropylen or stainless steel core
- high dirt capacity at low pressure drop
- temperatures from 70°C (PP) up to 120°C (cotton)
- 1µm – 80µm filterfineness nominal
- all standardized caps available



Type LT-PPB

Meltblown - filterelement

- 4-layer structure, material polypropylen
- high dirt capacity at low pressure drop
- temperatures up to 60°C
- 0,5µm – 100µm filterfineness nominal
- certificates to NSF42 and FDA CFR Titel 21
- all standardized caps available



Type LT-PPD

absolute - depth filter

- material: polypropylen with surface cavity
- gradient structure with high stability
- high dirt capacity
- temperatures up to 80°C
- 1µm – 100µm filterfineness absolute
- certificates to NSF42, FDA, CFR21
- all standardized caps available

For detailed informations please request or product data sheets.

Chemical industry	sewage, alcohol, solvent, lyes, process filter for acids and lyes	fine chemicals, acids, bleaching agent, lyes, polymers, process water	fine chemicals, acids, bleaching agent, lyes, polymers, process water
Cosmetics	hot solvents water treatment	solvents water treatment	solvents water treatment
Pharmaceutics	water treatment	low viscose fluids, filtration of extracts, prefiltration of membransystems	low viscose fluids, filtration of extracts, prefiltration of membransystems
Food and beverage	prefiltration for beverages , process water	wine, beer, mineral water, spirits, vinegar, fruit juice, edible oil, process water	wine, beer, mineral water, spirits, vinegar, fruit juice, edible oil, process water
Biotechnology	water treatment	serums, additive water treatment	serums, additive water treatment
General industry	sewage	oils, process water, tenside, low viscose fluids, galvanic bath	oils, process water, tenside, low viscose fluids, galvanic bath
Power plants	sewage	sewage, washings, condensation water	sewage, washings condensation water
Electronics	sewage, prefilter for water, electrolytic bath	chemical stripping units, acids, cooling water, lyes, low viscose fluids	pure water, acids, lyes
Varnish industry		divers coating fluids, low viscose clear coat	divers coating fluids, low viscose clear coat
Refinery	aggressive solvents, prefiltration	amine, glycole, refinery products	amine, glycole, refinery products



Pleated elements

- small filterfiness with absolute retention rates
- high filter areas by pleated filtermaterial
- suitable for low viscose fluids, acids and lyes
- technical datas, types and applications see table

Specal- depth filter

- material: phenolic resin with acrylic fibres, two-staged structure
- Suitable for viscose medium such as paints, varnish, resins
- technical datas, types and applications see table

For detailed informations please request or product data sheets.

Type LT-PPA



PP-absolute filter

- materials: - double layer polypropylen, without additives and adhesives
- micro-glassfibre with acrylic binder
- nylon
- high dirt capacity at low pressure drop
- temp.: max. 95°C
- 0,2µm – 40µm filterfiness absolute, 400 µm (Nylon)
- certificates to NSF42, USPVI, CFR21 all standardized caps available

Type LT-ST



standard-filterelement

- material: polyester and polypropylen, adapters PVC
- big filter area, low pressure drop
- suitable for simple water filtration applications
- 0,5µm – 50µm filterfiness nominal

Type LT-HGF



resin bounded filters

- material: stabile structure of acrylic fibres incl. phenolic resin
- gradient structure
- temperatur up to 120°C
- 1 µm – 125 µm filterfiness nominal
- suitable also for viscose fluids

Chemical industry	fine chemicals, acids, bleaching agent, lyes, polymers, process water		light acids and lyes solvents
Cosmetics	solvents, water treatment perfumes		
Pharmaceutics	water treatment, low viscose fluids, filtration of extracts, prefiltration of membranesystems		sewage
Food and beverage	drinking water, wine, beer, mineral water, spirits, vinegar, fruit juice, edible oil, process water		
Biotechnology	serums, additive, water treatment		
General industry	oils, process water, tenside, low viscose fluids, galvanic bath	clarification of low viscose fluids	oils, light acids and lyes, paints, solvents, process water
Power plants		sewage, washings	sewage, washings condensation water
Electronics	pure water RO water		light acids and lyes
Varnish industry	divers coating fluids emulsion		paints, varnish, adhesives, resin, wax, coatings
Refinery			filtration of inks, paints, sovents, petroleum



Membrane filter

- materials: PES, PTFE, nylon
- suitable for microfiltration of bacteria and solids <math>< 1\mu\text{m}</math>
- technical datas, types and applications see table



Type LT-PES

Polyethersulfon membrane filterelements PES

- material: PES, hydrophilic
- gradient structure
- high flow at low pressure drop
- temperatures up to 80°C
- all standardized caps available
- certificates to FDA
- filterfineness 0,04 μm – 1,2 μm

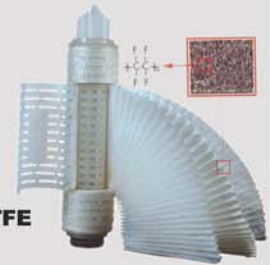
For detailed informations please request our product data sheets.



Type LT-PA

Nylon membrane filterelements

- material: nylon, hydrophilic
- high flow at low pressure drop
- temperatures up to 95°C
- filterfineness 0,1 μm – 1 μm
- all standardized caps available



Type LT-PTFE

Polytetrafluorethylen membrane filterelements

- material: PTFE, hydrophobic
- high flow at low pressure drop
- temperatures up to 95°C
- filterfineness 0,05 μm – 1 μm
- all standardized caps available

Chemical industry	solvents inks		polymers, anorganic dilutions solvents air ventilation of tanks
Cosmetics	solvents process water make-up-water, alcohol	solvents process water make-up-water, alcohol	air ventilation of tanks sterile compressed air solvents, acids
Pharmaceutics	sterile dilutions, opthalmics parenteralics, orals product water, process water	sterile dilutions opthalmics, parenteralics, orals product water, process water	air ventilation of tanks sterile compressed air sterile gases
Food and beverage	sterile filtration of: wine, beer, mineral water, fruit juice	sterile filtration of: wine, beer mineral water, fruit juice	air ventilation of tanks sterile compressed air sterile gases
Biotechnology	antibiotics – diagnostics proteins, serums, sterile process water, solvents	antibiotics – diagnostics proteins, serums, sterile process water, solvents	air ventilation of tanks sterile compressed air sterile gases
General industry	microfiltration in pure water systems	microfiltration in pure water systems	
Power plants			
Electronics	Point-of-use filtration pure water solvents	Point-of-use filtration pure water solvents	acids, solvents, fine chemicals
Varnish industry			

Refinery



STAINLESS STEEL / MELT FILTER

OILHYDRAULIC -FILTERELEMENTS

MULTI – LAYER FILTER



stainless steel / melt filter

- available in pleated design, cylindrical, disc filter, basket filter
- materials: sintered stainless steel, wire cloth in many versions, more-layer versions in different stainless steel qualities
- suitable for filtration of high viscose fluids such as polymer melts, medium with high temperatures, gases
- 3µm – 100µm filterfinesness nominal
- temperatures up to 500°C
- high differential pressures
- manufacturing of customer-specific designs
- all standardized caps available

For detailed informations please request or product data sheets.

oilhydraulic filterelemente

- replacement types for all brands available
- materials: paper, glas fiber, stainless steel
- suitable for filtration of all hydraulic fluids such as: lubrication oil, synthetic and biodegradable oils, flame resistant fluids, water
- up to 210 bar Δp trough the element (depends on design)
- temperatures.: – 30°C up to + 100°C
- with and without bypassvalve
- filterfinesness 3µm – 200µm
- manufacturing of customer-specific designs



multi layer filter

- available in different diameters, dimensions and numbers of layers
- suitable for clarification, finefiltration, degemring, precoat filtration,
- materials / applications:
 - pulp – depth filtermedia (tough filtration for clarification of fluids or for support device)
 - pulp - diatomite depth filtration (clarification for middle tarnish)
 - active carbon depth filter (chemical industry, pharmaceuticals, LM-industry)
- filterfinesness >0,2µm nominal
- certificates to FDA and CRF21

Chemical industry	plastic fibre industry polymers, fatty acids acidsn, lyes, steam	hydraulic oils lubrication oils	light acids and lyes solvents
Cosmetics	filtration of steam acids / lyes		sewage
Pharmaceutics	filtration of steam acids / lyes		
Food and beverage	oils syrup		
Biotechnology	filtration of steam acids / lyes		
General industry	filtration of steam aggressive products	hydraulic oils lubrication oils	oils, light acids and lyes, paints, solvents, process water
Power plants	compressed gases	hydraulic oils lubrication oils	sewage, washings condensation water
Electronics	gases		light acids and lyes
Varnish industry	galvanic dilutions, hydraulic fluids		paints, varnish, adhesives resins, wax, coatings
Refinery	wax grease		filtration of Inks, paints, solvents, petroleum



Single cartridge housings

LT-KFA...

- cast vee clamp connection
- nominal pressure 10-28 bar
- temperature range up to 150°C
- cartridge length 10", 20", 30"
- material 316L, hastelloy
- end cap style: DOE, code 3, code 7-elements
- with and without CE-certification available
- connections variable



LT-KFB...

- central bolt connection
- nominal pressure up to 10 bar
- temperature range up to 110°C
- cartridge length 10", 20", 30"
- material 316L
- end cap style: DOE elements
- without CE-certification
- connections variable



LT-KFC...

- nominal pressure up to 10 bar
- temperature range up to 110°C
- cartridge length 10", 20"
- material 316 L, hastelloy, inspection glass borosilicat
- end cap style: DOE, code 3, code 7-elements
- connections variable



Special housings

LT-KFS...

- nominal pressure up to 16 bar
- number of elements: 1-5
- cartridge length: on request
- material 316L, hastelloy
- cartridge design: standard and special design
- with and without CE-certification available
- manufacturing of customer-specific designs



Multi cartridge housings

LT-KFD...

- cast vee clamp and flat cover with screw clamps
- nominal pressure up to 10 bar
- number of elements: 3-19
- cartridge length: 20", 30", 40"
- material 316L, hastelloy
- end cap style: DOE, code 7, code 8-elements
- connections variable
- free standing design
- without CE-certification
- with top and centre closure (space saving) available



LT-KFE...

- cast vee clamp and flat cover with screw clamps
- nominal pressure up to 10 bar
- number of elements: 3-19
- cartridge length: 20", 30", 40"
- material 316L, hastelloy
- end cap style: DOE, code 7, code 8-elements
- connections variable
- adjustable legs
- with CE-certification
- with top and centre closure (space saving) available



Hygienic design filter housings

LT-KFH...

- cast vee clamp
- nominal pressure up to 10 bar
- temperature range up to 110°C
- cartridge length: 10", 20", 30"
- material 316L, hastelloy
- end cap style: code 7, code 8-elements
- with and without CE-certification available
- connections variable
- design for air ventilation filter, free standing design and adjustable legs





Bagfilter

LT-BFA... MINI BAG

- cast vee clamp and flat cover with screw clamps
- nominal pressure up to 8,5 bar
- temperature range up to 110°C
- bag design: 1-fold (P3 / 7") and 2-fold (P4 / 14") length
- material 316L, hastelloy
- housing inside and out side electropolished
- ringtype: 4,25" standard
- without CE-certification



LT-BFB... SINGLE BAG

- cast vee clamp and flat cover with screw clamps
- nominal pressure up to 10 bar
- temperature range up to 110°C
- bag design: 1-fold (P1 / 16"), 2-fold (P2 / 30") and 3-fold (48") length
- material 316L
- housing inside and out side electropolished
- ringtype: 7"
- without CE- certification



LT-BFC... SINGLE BAG

- cast vee clamp and flat cover with screw clamps
- nominal pressure up to 10 bar
- temperature range up to 110°C
- bag design: 1-fold (P1 / 16") and 2-fold (P2 / 30") length
- material 316L, hastelloy
- housing inside and out side electropolished
- ringtype: 7"
- with CE- certification
- free standing design



LT-BFD... SWAN NECK SINGLE

- flange connection
- nominal pressure up to 10 bar
- temperature range up to 150°C
- bag design: 1-fold (P1 / 16") and 2-fold (P2 / 30") length
- material 304 / 316L, hastelloy
- housing inside and out side electropolished
- ringtype: 7"
- with CE- certification
- adjustable legs



LT-BFM... MULTI BAG

- flange connection
- nominal pressure 10 bar
- temperature range up to 110°C
- 4 piece bags: 1-fold (P1 / 16"), 2-fold (P2 / 30") or 3-fold (48") length
- material Stahl, 304, 316L
- housings sandblasted and painted (steel design) and glass bead – blasted (stainless steel design)
- bag design: 7"
- with CE- certification available
- design with legs



FILTER BAGS

- length: P1, P2, P3, P4
- filterfiness: 1µm up to 200µm
- materials: PP, PE, nylon, polyester needlefelt, mono filament, multi filament, meltbown
- ringtype: 4,25" / 5,5" / 7" and materials in zink plated, stainless steel and plastic
- special design on request
- replacement of all well-known brands



Plastic housings

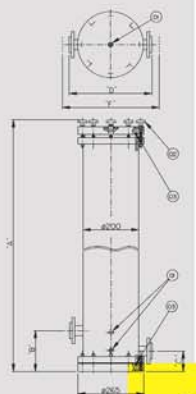
LT-KFK... plastic-filter housing

- single cartridge housing
- nominal pressure up to 10 bar
- temperature range up to 90°C
- cartridge length: 5" / 10" / 20"
- materials: PP, PA
- connections variable
- end cap style: DOE (single housing) and DOE, code 7, code 8 (multi cartridge housing)



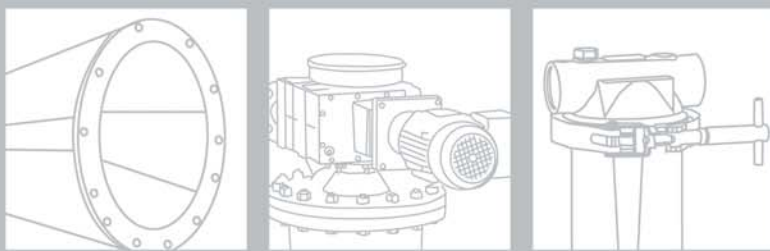
LT-KFK... plastic-filter housing

- 3 – 5 stack housing
- nominal pressure up to 6 bar
- temperature range up to 40°C
- material PP
- cartridge length: 10", 20", 30", 40"
- connections variable
- end cap style: DOE, code 7, code 8-elements



LT-KFK... plastic-bag filter housing

- single bag housing: 1-fold (P1 / 16") and 2-fold (P2 / 30") length
- nominal pressure up to 6 bar
- temperature range up to 40°C
- material PP
- connections variable
- free standing design
- ring type: 7"
- with CE-certification available



FILTRATION & SEPARATION

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