

K-OPTIFIL

K Factor Filter and Lenzing, Europe's leader in filtration systems, have teamed up to offer the best inline filtration solution.

IN COLLABORATION WITH:

Lenzing | Filtration

Tel: 289-362-6108
Toll Free: 1-855-593-730
Website: www.kfactorfilter.com



WHAT A K-FACTOR K-OPTIFIL FILTER CAN DO FOR YOU?

The K-OptiFil system is a reliable backwash filter for the finest filtration of industrial fluids and for water treatment, its patented backwash system ensures highest process continuity at lowest backwash quantities.

In addition, the special support system ensures the usage of different filter media, The K-OptiFil may also be configured as a sieve or a depth filter or even as cake building filtration system

ADVANTAGES

- Filter fineness down to 1 µm
- Patented backwash mechanism
- High backwash efficiency

HOW THE K-OPTIFIL WORKS

During the filtration the backwash mechanism remains in the waiting position [1]. the filtration works from the inside to the outside.

An automatic backwash is triggered by a preset differential pressure level (or by a timer).

Thereby, the flow direction is reversed at a very small part of the surface, the very high flow rate aims at an efficient flush [2] of the particles out of the filter material. The backwash lasts only for about 2-3 seconds, while the filtration remains active.

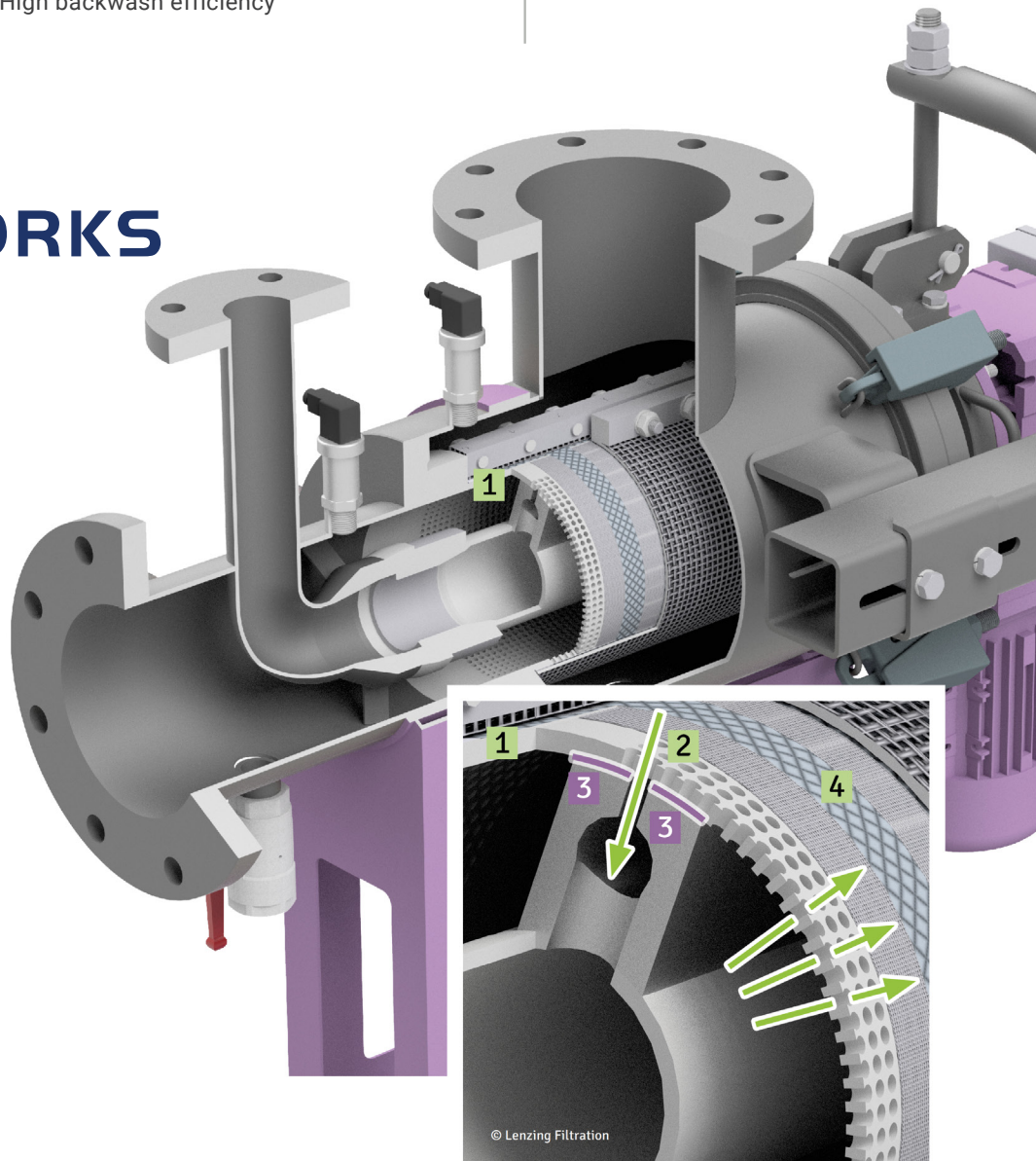
The patented sealing [3] between the infiltrate and the filtrate chamber enabled lowest reject quantities.

The standard material is stainless steel of quality 316Ti. Other materials are available on request.

The standard design is suitable for options at 120oC. On request, also higher operating temperatures are possible.

FLUIDS

- Acids, alkalis, solvents, resins, varnishes
- Process water, river water, sea water, potable
- Well water, waste water, formation water, cooling water
- Sugar solutions, molasses, starch
- Oil, oil additives, cooling lubricants, cleaning bath solutions, surfactants



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