

KS Filter

Continuous backwash sand filter



The KS Filter is equipped with a unique Double Sand Backwash device that allows flexibility and reliability in operation.

Main advantages :

- Gives excellent filtered water quality using double backwash device.
- Simple and maintenance free operation.
- Complete peripheral equipment and accessories allows perfect operational control and fine setting of the backwash.

Main applications :

- Surface water treatment to potable quality.
- Tertiary treatment.
- Process water preparation.
- Process water recycling.
- Algae removal.

The backwash of the sand is the most important process parameter for this type of filter.

The sand is taken from the bottom and is pumped by an airlift into the washing chamber. From there it falls back on the top of the sand bed.

The quality of the filtered water depends on the size of the sand and on the sand backwash rate. Therefore the KS FILTER is equipped with a sophisticated and carefully sized double backwash facility. This design allows a wide variation and fine setting of the backwash parameters.

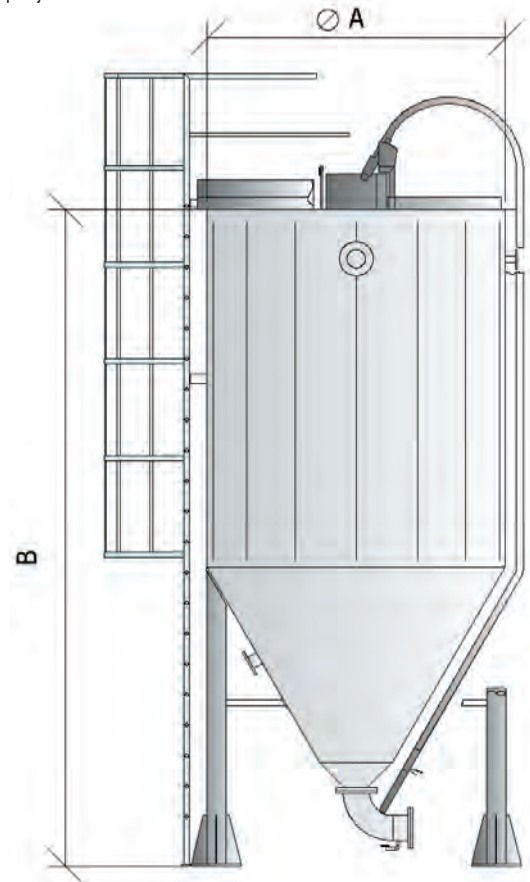
Eight sizes available : 1,5 to 7 m² filtration area with 1 or 2 m deep sand filter.



KSF 5-2 - Tertiary treatment dephosphorylation



KSF 5-1 - Turnkey drinking water project



| Type | Filtration area (m ²) | ø A (mm) | B (mm) | Weight tons (full of water) |
|-----------|-----------------------------------|----------|--------|-----------------------------|
| KSF 1,5-1 | 1,5 | 1400 | 4200 | 6 |
| KSF 1,5-2 | 1,5 | 1400 | 5200 | 8 |
| KSF 3-1 | 3 | 2000 | 5000 | 18 |
| KSF 3-2 | 3 | 2000 | 6000 | 23 |
| KSF 5-1 | 5 | 2500 | 5000 | 31 |
| KSF 5-2 | 5 | 2500 | 6000 | 39 |
| KSF 6-1 | 6 | 2800 | 5500 | 38 |
| KSF 6-2 | 6 | 2800 | 6500 | 48 |
| KSF 7-1 | 7 | 3000 | 5900 | 44 |
| KSF 7-2 | 7 | 3000 | 6900 | 55 |

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