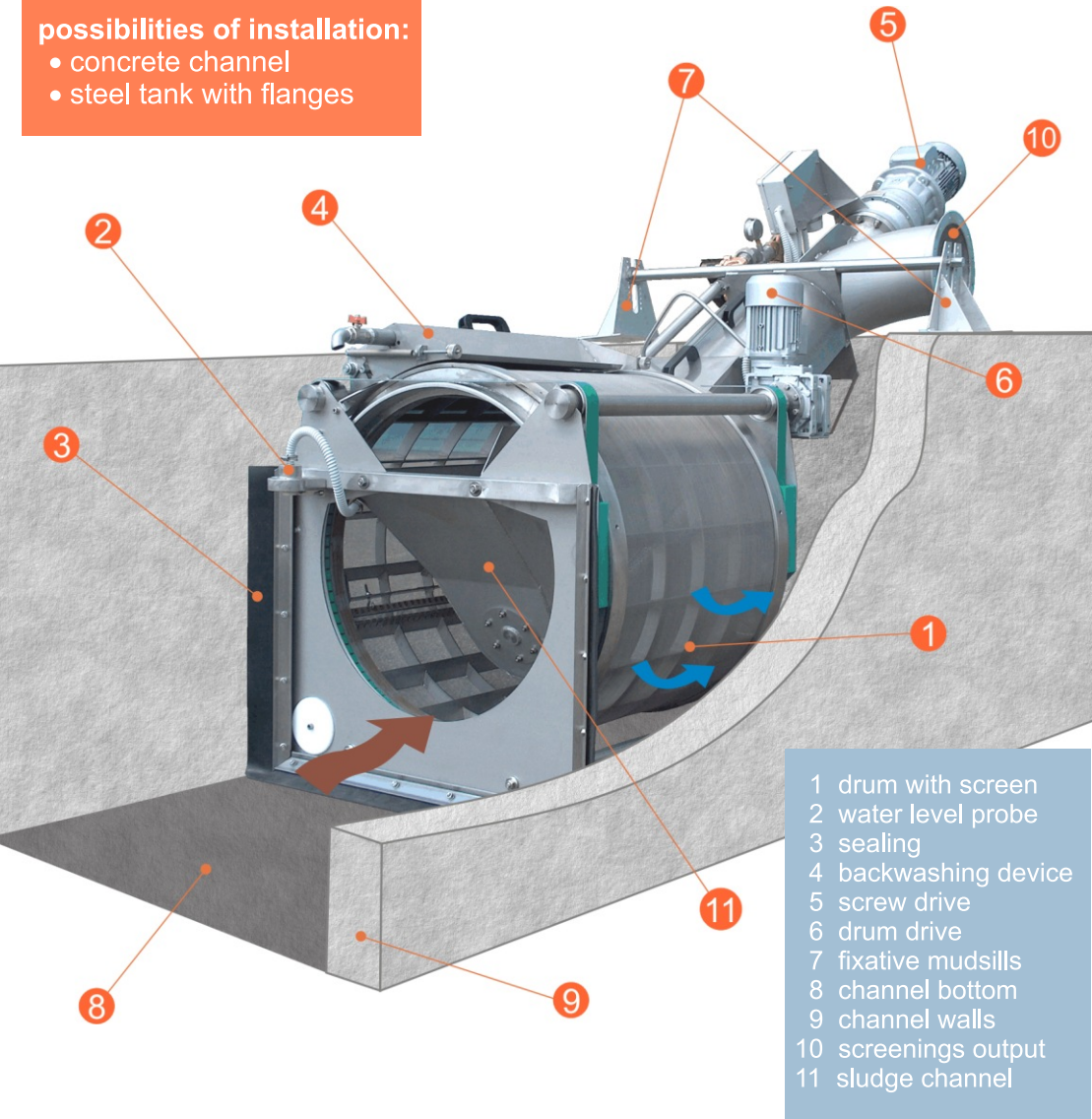


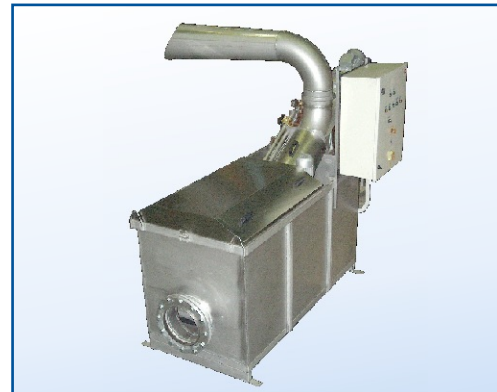
DRUM SCREEN FILTER

possibilities of installation:

- concrete channel
- steel tank with flanges



- 1 drum with screen
- 2 water level probe
- 3 sealing
- 4 backwashing device
- 5 screw drive
- 6 drum drive
- 7 fixative mudsills
- 8 channel bottom
- 9 channel walls
- 10 screenings output
- 11 sludge channel



USAGE

- catching objects and undissolved elements in water
- dewatering of caught material
- pressing of caught material
- disintegrating of caught elements

Screw drum filter is designed for separation, dewatering and pressing of screenings flowed into the waste water treatment plant with sewage water.

The filter can be used in other activities as well. Especially, it is suitable for usage in industry for cleaning water including viscose and fibrous elements.

Horizontal rotating drum (1) is a basic filtrating mechanism. Both sides of filter are open. Dirty water flows into the front side of filter and pours through the sieve on the drum circuit. Sieve catches the impurities in water.

By rotating the drum, the impurities are taken to the channel in the drum. They are taken out for further processing by screw transporter. Filtration sieve is cleaned with the help of backwash pump.

Filter is used to disintegrate soft parts of screenings and take them back to sewage water for further processing.

Screenings that are not possible to disintegrate, can be taken by screw transporter to pressing section. They go through the process of reducing and dewatering there. Next, the dewatered and pressed screenings are pushed away to the hopper (10) and then to the container.

FUNCTION DESCRIPTION

ADVANTAGES

- filtration by the resistant and stainless sieve
- 360° rotating hopper
- possibility of separating adhesive parts from water
- possibility of separating viscose and fibrous parts from water
- possibility of separating, dewatering and pressing of screenings in the same process
- all the metal compartments made of stainless steel



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varianta filtru v nerezové vaně

typ	šířka [mm]	výška [mm]	délka [mm]	váha [kg]	max. spotřeba [kW]	filtrační kapacita* [l.s ⁻¹]
5_BMF_5_0	734	915	1193	110	1,35	8
5_BMF_10_0	734	915	1688	160	1,35	16
10_BMF_10_0	1402	1610	1875	420	2,37	40
10_BMF_20_0	1402	1610	2803	600	3,27	60

* hodnoty jsou platné pouze pro filtrační tkaninu s otvory 40 mm and znečištění nerozpuštěnými látkami 40 mg/l

- possibility of rotating a hopper above the level of channel by 360 degrees, or immovable version
- full operating automatization by control panel
- possible to supply by a boost pump for sieve washing
- possibility of insulation and heating for outdoor usage
- possibility of integrated screenings washing
- unit can be installed to the concrete channel or stainless steel tank

materiál

Všechny části filtru jsou vyrobeny z nerezové oceli a vysoce kvalitních plastů.

filtrační tkanina

Tkanina je ve většině případů z polyamidu, lze použít i jiných materiálů (např. nerezovou ocel).

- Otvory:
- 100 µm
 - 80 µm
 - 60 µm
 - 40 µm
 - 30 µm
 - 20 µm

výstup kalu

- do integrované kalové jámy vyprázdněvané kalovým čerpadlem po dosažení nastavené hladiny
- kal je odváděn gravitačně přímo z kalového žlabu

výšková ztráta

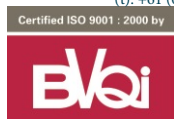
Pouze 250 - 400 mm.



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