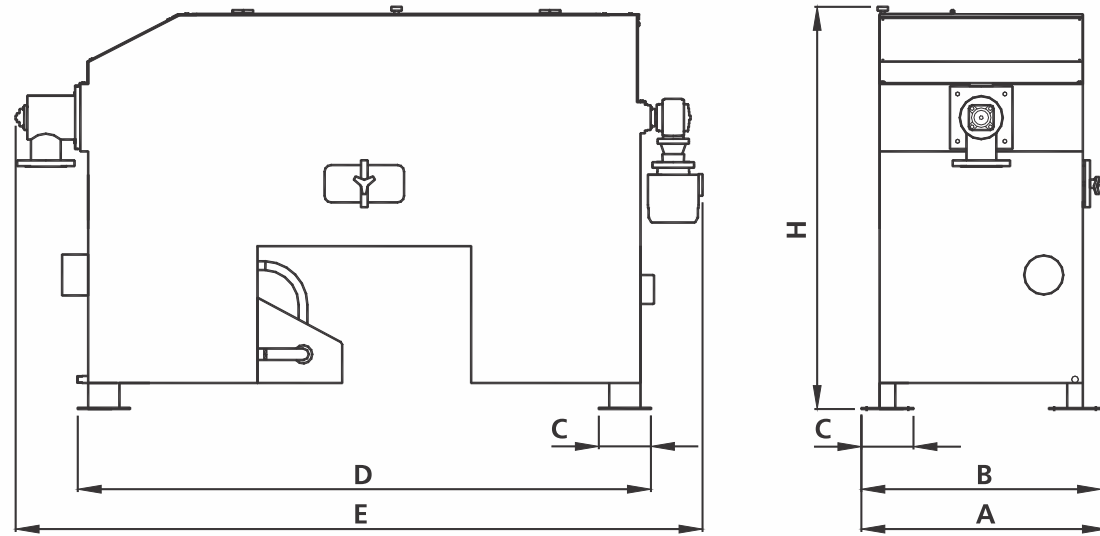


Tehnična risba / Technical drawing



SCRUFILTER® Tip / Type	A	B	C	D	E	H
FL03S	680	660	200	1270	1660	1140
FL06S	940	920	200	2200	2640	1540
FL06D	1760	1720	200	2200	2640	1540

Dimenzije so informativne narave in se lahko spremenijo brez predhodnega obvestila.
Dimensions are indicative only and subject to change without notice.

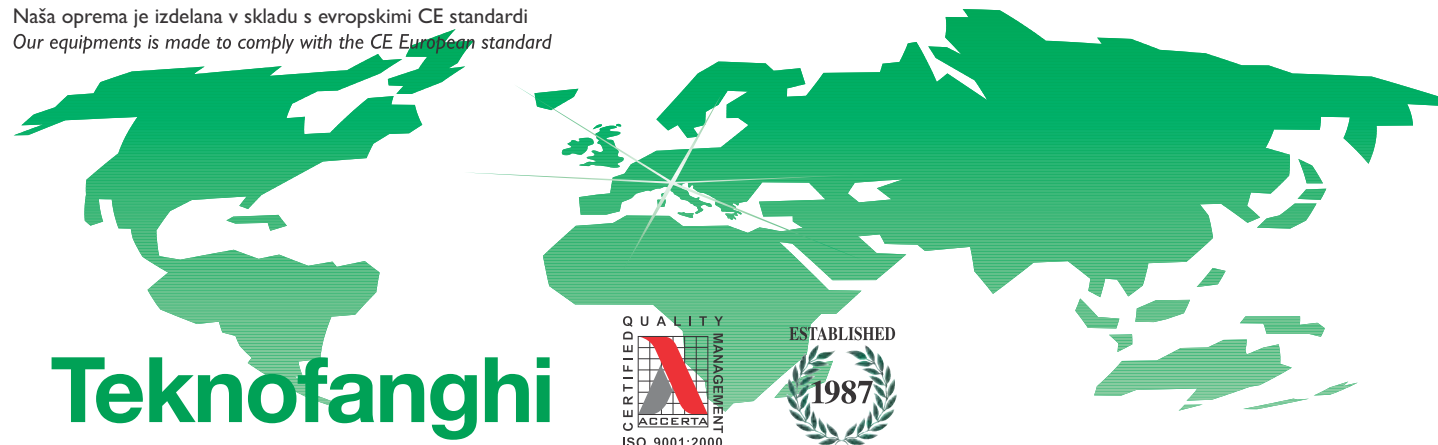
*Vse mere so v mm
* All dimensions are in mm

Tehnični podatki / Technical data

SCRUFILTER® Tip / Type	FL03S	FL06S	FL06D
Boben / Drum	N°1 Ø 340 mm	N°1 Ø 600 mm	N°2 Ø 600 mm
Pretok max. m ³ /h* / Flow max m ³ /h*	15	30	60
Boben (kW) / Drum (kW)	0,03	0,18	2 x 0,18
Pralna črpalka (kW) / Washing pump (kW)	0,45	0,75	1,1

* max. pretok je kalkuliran z 40 mikronskim filtrom in koncentraciji suspendiranih snovi (SS) 100 p.p.m.
* Max flow is calculated with installed filter cloths of 40 microns and 100 p.p.m. of Suspended Solids.

Naša oprema je izdelana v skladu s evropskimi CE standardi
Our equipments is made to comply with the CE European standard



Teknofanghi

Sistemi per la disidratazione fanghi
Sludge Dewatering Equipment

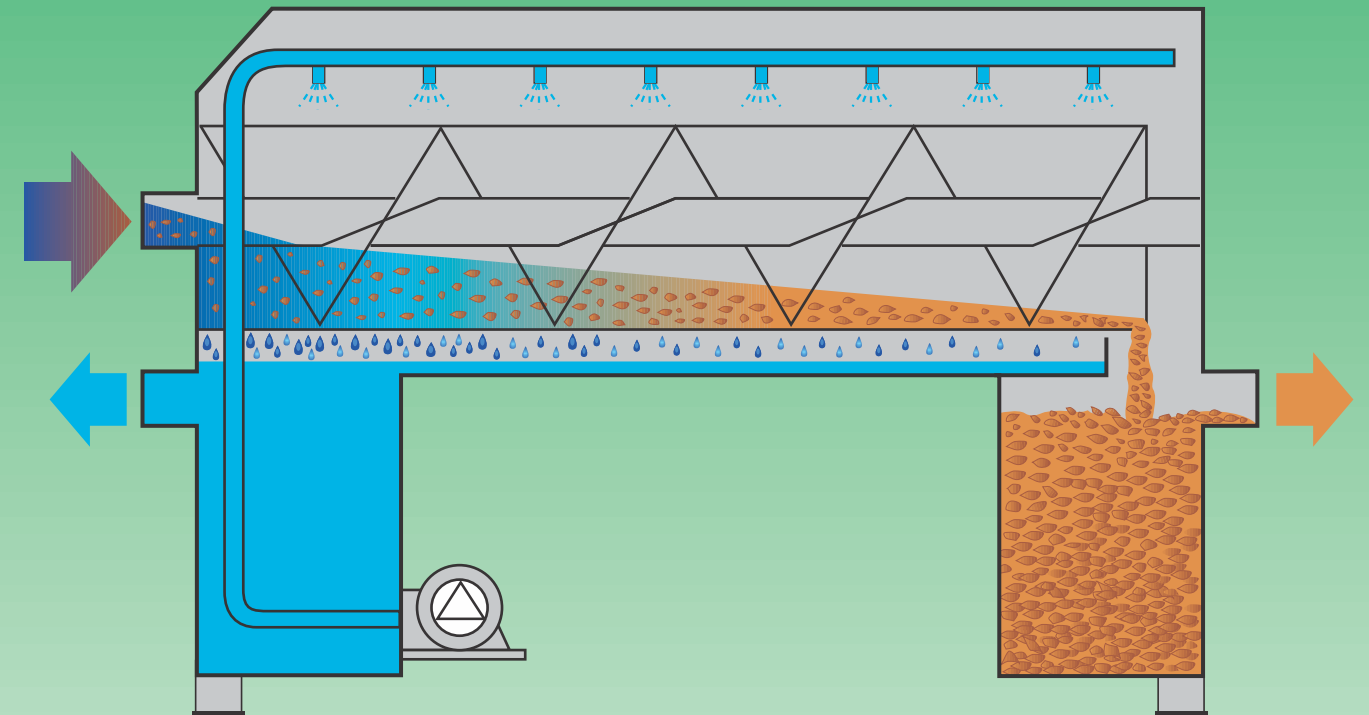
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SCRUFILTER®

Mikrofiltracija Microfiltration



Teknofanghi



SCRUFILTER®

Kompaktne enote SCRUFILTER® se lahko uporabljajo v najrazličnejših aplikacijah mikro filtracije z namenom zmanjšanja drobnih suspendiranih trdnih delcev iz vode tja do 20 mikronov. Zmanjšanje suspendiranih snovi je povezana z zmanjšanjem KPK, BPK, fosforja, nitratov in drugih snovi. Pri nadaljnji obdelavi z UV dezinfekcijo je pomembno, da se zmanjša motnost, ki jo povzročajo suspendirane snovi. Standardni filtri so izdelani iz poliestrske tkanine na ABS nosilcu. Filtri so lahko v celoti izdelani tudi iz nerjavečega jekla. Filter tkanine se izberejo glede na potrebe po filtraciji in so lahko 20, 30, 40, 60, 80 ali 100 mikronov. Na posebno željo je možno izdelati tudi nestandardne filtre.

TIPIČNE APLIKACIJE

- biološke čistilne naprave za odpadno vodo (izboljšanje iztoka)
- biološke čistilne naprave za odpadno vodo (odstranjevanje fosfatov)
- regeneracija vode (živilska, tekstilna in papirna industrija, itd.)
- obrati za proizvodnjo pijač
- ribogojnice
- filtracija površinskih voda (reke, jezera, itd.)
- filtracija vode

PREDNOSTI

- 1) visoka zmogljivost
- 2) posebna gradbena dela niso potrebna
- 3) ni senzorjev nivoja za pralni sistem (minimiranje vzdrževanja)
- 4) sistem preliva v sili
- 5) ekonomična zamenjava filter tkanine
- 6) enostavna in hitra zamenjava filtrirnih plošč brez odstranitve bobna iz ohišja.

DIMENZIONIRANJE

Potrebni osnovni parametri za dimenzioniranje:

- 1) zahtevana zmogljivost v m³/h (ali l/s, če pretok ni stalen)
- 2) količina suspendiranih snovi na vtoku
- 3) zahtevano filtriranje (stopnja filtriranja) vode
- 4) način uporabe (aplikacija)

V večini primerov aplikacij za terciarno čiščenje se uporabljajo tkanine z 40 mikroni, za doseganje 70-80% zmanjševanja suspendiranih snovi.

To je seveda odvisno od kakovosti tekočine na vstopu (suspendiranih snovi na iztoku je <30 mg/l, če so na vtoku <100 mg/l).

SCRUFILTER®

The compact SCRUFILTER® units can be used in many applications of micro-filtration in order to reduce fine suspended solids from water down to 20 microns. The reduction of suspended solids is accompanied by a reduction in COD, BOD5, phosphorus, nitrates and other substances. In the case of further treatment with UV for disinfection it is important to reduce the turbidity caused by suspended solids.

Standard filters are produced with supports in ABS and filter cloths in polyester. These can also be produced completely in stainless steel. The filter cloth is selected according to the requirements which can be 20 - 30 - 40 - 60 - 80 or 100 microns. On special request different filter sizes can be produced.

TYPICAL APPLICATIONS

- Waste water treatment plants (improvement of discharge)
- Waste water treatment plants (removal of phosphates)
- Water recovery (food industry, textile, paper mill, etc.)
- Beverage production plants
- Fish-breeding farms
- Filtration of surface water (river, lake, etc) and well water

ADVANTAGES

- 1) High capacity.
- 2) Special civil works are not required.
- 3) Level sensors for washing system are not present.
- 4) Emergency overflow system.
- 5) Economical exchange of the filter cloths.
- 6) Simple and quick substitution of the filter plates without the necessity to remove the drum from the frame.

CRITERIA OF SIZING

Fundamental Parameters:

- 1) Capacity required in m³/h (or l/s if flow is not continuous).
- 2) Quantity of suspended solids in inlet
- 3) Requirements of filtered water
- 4) Type of application

In the majority of applications for tertiary treatment, cloths of 40 microns are used to achieve a reduction of 70-80% of the suspended solids. This obviously depends on the inlet quality.
Outlet < 30 mg/l when inlet < 100 mg/l



SCRUFILTER®
TIP / TYPE FL06S

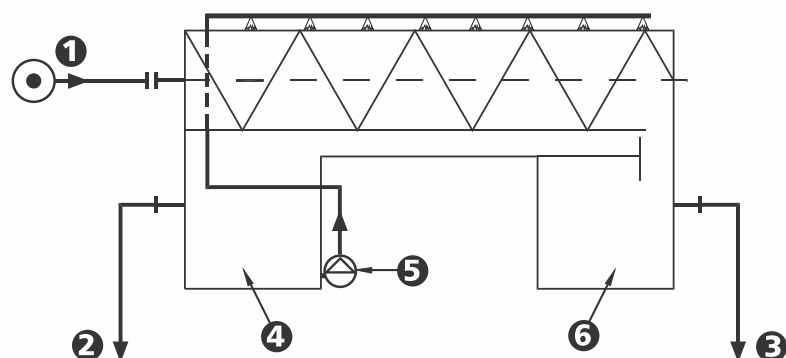
Tekočina pred in po filtraciji
Liquid before and after filtration



Filtracija v biološki komunalni čistilni napravi
Filtration in biological-municipal wwtp



Scrufilter®



Pos.	OPIS / DESCRIPTION
1	Vtok - Inlet
2	Iztok filtrirane vode - Filtered water outlet
3	Iztok filtrata - Screenings outlet
4	Rezervoar čiste vode - Clean water tank
5	Pralna črpalka - Washing pump
6	Rezervoar za zbiranje filtrata Screenings collection tank