



Mechanical coarse- medium-fine screens

GVB

GVF

GVS



technology  experience
versatility 

Mechanical coarse-medium-fine screens

GVB



The **sub-vertical mechanical bar screen SAVI GVB** is used for coarse screening in municipal and industrial wastewater plants.

The **sub-vertical mechanical screen SAVI** is also manufactured with a perforated plate filter and with brushes and wiper blades, **mod. GVS**, which is suitable for the fine screening of sewage coming from municipal and industrial plants, and, in particular, for process water of industrial transformation plants.

GVS



The **sub-vertical mechanical screen SAVI** is used in every wastewater treatment plant in particular in unmanned plants thanks to its main features, i.e. easy operation, great reliability and sturdiness, and low cost. The screen can be installed also in deep channels as it can convey screening far away from the channel bottom thanks to its limited inclination, and to the special version completely vertical with the special "goose neck".

GVF



Sub-vertical fine screen mod. GVF for medium-fine screening of civil and industrial sewage, to be installed in channel.

High screening performances with reduced costs • Accuracy in construction thanks to the laser technology applied to the manufacture of components • Six cleaning rakes included in the standard version • Reduced servicing and no need to take the screen out of the channel • materials suited for corrosion and wear • Dynamometric torque limit device.

AVAILABLE TYPES

- Completely made in Stainless steel AISI 304 or AISI 316
- Completely made in Carbon steel hot galvanized

features & benefits

screening

GVB coarse bar screen

1. Two or more cleaning rakes. Faster, more efficient solids removal
2. 75° angle of inclination. Exposes more screen surface to the incoming flow to capture and hold more solids.
3. Precision laser cut raking tines cut from a single stainless steel bar. High strength and stiffness for long wear and reliable operation.
4. Recessed guide channels for drive chains. Reduces chain exposure to debris.
5. Lower chain guide with no moving parts. No lower sprocket and bearings.



GVS perforated media screen

1. Six (6) cleaning mechanisms standard. Various combinations of wiper blades and brushes remove solids and clean the perforated media.
2. Wipers blades and brushes are bolted to the rake mechanism. Design for easy replacement.
3. 75° and 90° angles of inclination. Flexible installation options.
4. Recessed guide channels for drive chains. Reduces chain exposure to debris.
5. Lower chain guide with no moving parts. No lower sprocket and bearings.



GVF fine bar screen

1. Six (6) cleaning rakes are standard. Each rake cleans every other bar to remove more solids.
2. 75° angle of inclination. Exposes more screen surface to the incoming flow to capture and hold more solids.
3. Rake tines are precision laser cut from a continuous SST bar. High strength and stiffness for long wear and reliable operation.
4. Screen utilizes an upper and low sprocket. To maintain the strict alignment required by the fine bar spacing.
5. A self-lubricating bronze lower bushing in a sealed housing is used in this design. Maintenance-free operation.

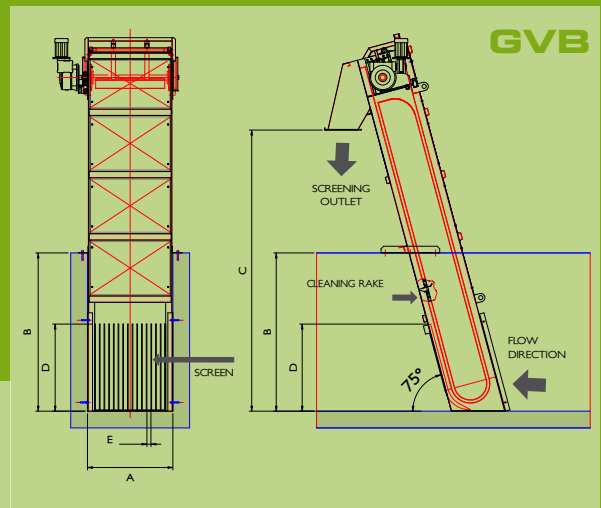


screening

SAVI

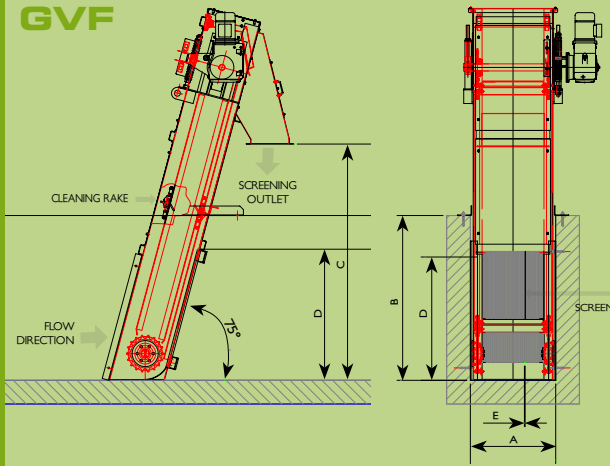
* additional sizes available

MODEL	GVB		
A CHANNEL WIDTH mm	400 ÷ 2000		
B CHANNEL HEIGHT m	1 ÷ 10		
C OUTLET HEIGHT FROM THE CHANNEL BOTTOM mm	according to the client's requirement		
D HEIGHT OF SCREENING ZONE mm			
E OPENINGS SIZE mm	12 ÷ 60		
CHANNEL WIDTH mm	400÷800	800÷1500	1500÷2000
INSTALLED POWER kW	0,75	1,1	1,5



GVB

GVF

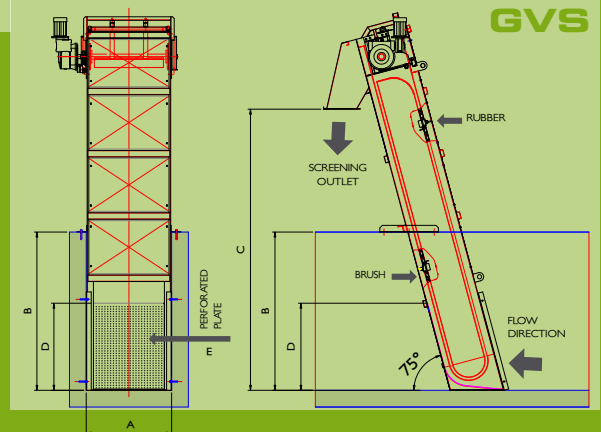


MODEL	GVF		
A CHANNEL WIDTH mm	400 ÷ 2000		
B CHANNEL HEIGHT m	1 ÷ 10		
C OUTLET HEIGHT FROM THE CHANNEL BOTTOM mm	according to the client's requirement		
D HEIGHT OF SCREENING ZONE mm			
E OPENINGS SIZE mm	6 ÷ 10		
CHANNEL WIDTH mm	400÷800	800÷1500	1500÷2000
INSTALLED POWER kW	0,75	1,1	1,5

* additional sizes available

* additional sizes available

MODEL	GVS		
A CHANNEL WIDTH mm	400 ÷ 2000		
B CHANNEL HEIGHT m	1 ÷ 10		
C OUTLET HEIGHT FROM THE CHANNEL BOTTOM mm	according to the client's requirement		
D HEIGHT OF SCREENING ZONE mm			
E PERFORATED PLATE HOLES DIAMETER mm	1,5 ÷ 8		
CHANNEL WIDTH mm	400÷800	800÷1500	1500÷2000
INSTALLED POWER kW	0,75	1,1	1,5



GVS

screening

- Drum fine screens for municipal WWTP and for MBR pretreatment mod. VSA-VSA MBR
- Mechanical coarse-medium-fine screens mod. GVB-GVF-GVS
- Rotary fine screens mod. RTV
- Rotary filtering drums mod. SGR
- Filter screws mod. VSR
- Step screens mod. VTR
- Overflow spillways mod. VSE
- Belt fine screen mod. VFR

pretreatment

- Compact plants mod. KOMBI
- Septage receiving stations mod. VFA DM
- Sand classifiers/washers mod. CLS-CLSW

- Shafted washer compactors and hydraulic compactors mod. VWP-CMP
- Travelling bridges for grit and grease removal mod. PVD

sedimentation

- Circular clarifiers mod. PTP-PTA
- Travelling bridge for settlement tanks mod. PVS
- Sludge thickeners mod. ISP

accessories

- Screw conveyors mod. CCL
- Penstocks mod. PAR
- Rotating brushes mod. SPZ
- Bagger assemblies

RANGE OF PRODUCTS

SAVI

SAVI S.r.l.



VIA ROMA, 80 46037 RONCOFERRARO (MN) ITALY

TEL. +39 0376 663721 FAX +39 0376 664256

info@savi.mn.it _ www.savi.mn.it

Certificate no. 50 100 3460 attests the SAVI S.r.l. Quality System is in conformity with the rule UNI EN ISO 9001:2008. The certificate is valid as for the design, manufacture, installation, and technical assistance of machines and accessories for water treatment plants.

