

Waste Water Treatment

Sub-vertical Mechanical Perforated Screens GVS

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Description ▼

GVS Sub-vertical Mechanical Perforated Screens consist of a robust steel frame and a perforated plate filter varying according to the screening efficiency required.

GVS screens, which are equipped with brushes and wiper blades, are suitable for fine screening of sewage in both municipal and industrial plants, as well as, in particular, for process water of industrial processing plants.

Waste water flows into the upstream end of the unit where screenings are captured on a perforated plate filter.

Chain-driven brushes and wiper blades clean the perforated plate filter conveying at the same time solids to the discharge point. Material is removed from the rakes by a wiper and discharged into a dumpster, conveyor or compactor.

Application ▼



Benefits ▼

- ✓ Wipers, blades and brushes bolted on the rake mechanism;
- ✓ Easy replacement design;
- ✓ Recessed guide channels for drive chains;
- ✓ Lower chain guide with no moving parts;
- ✓ No lower sprocket, no bearings;
- ✓ Reduced service requirements (no need to remove screen from channel).

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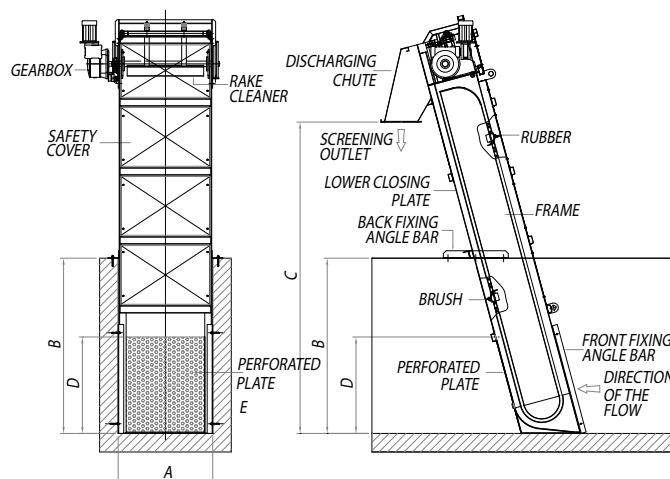
Sub-vertical Mechanical Perforated Screens GVS



Technical Features / Performance

- ▶ 3mm ~ 6mm perforation
- ▶ 4 or more cleaning blades and wipers depending on screen height
- ▶ Channel width: 400 ~ 2,000 mm
- ▶ 75-degree incline angle
- ▶ Material: hot dip galvanised steel, 304 L / 316 L SS
- ▶ Incline angle other than 75 degrees up to 90 degrees with goose neck (optional)
- ▶ Control panel (optional)

Overall Dimensions



GVS - SUB-VERTICAL MECHANICAL PERFORATED SCREENS

MODEL (*)	CHANNEL WIDTH A mm	CHANNEL HEIGHT B m	DISCHARGE HEIGHT FROM CHANNEL BOTTOM C mm	STANDARD SCREENING ZONE HEIGHT D mm (**)	OPENING SIZES mm (*)	INSTALLED POWER kW
GVS 400	400	1 ÷ 10	up to 7 m ***	1,000	3 - 6	0.55
GVS 500	500	1 ÷ 10	up to 7 m ***	1,000	3 - 6	0.55
GVS 600	600	1 ÷ 10	up to 7 m ***	1,000	3 - 6	0.55
GVS 700	700	1 ÷ 10	up to 7 m ***	1,000	3 - 6	0.55
GVS 800	800	1 ÷ 10	up to 7 m ***	1,000	3 - 6	0.55
GVS 1000	1,000	1 ÷ 10	up to 7 m ***	1,000	3 - 6	0.75
GVS 1200	1,200	1 ÷ 10	up to 7 m ***	1,000	3 - 6	0.75
GVS 1400	1,400	1 ÷ 10	up to 7 m ***	1,000	3 - 6	0.75

(*) these are standard models; intermediate values are available. Units wider than 1,400 mm up to 2,000 mm available upon request

(**) standard height of the screening zone: 1 m, different heights available

(***) higher units available upon request



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