WASTE WATER TREATMEN

Sub-vertical Mechanical Bar Screens







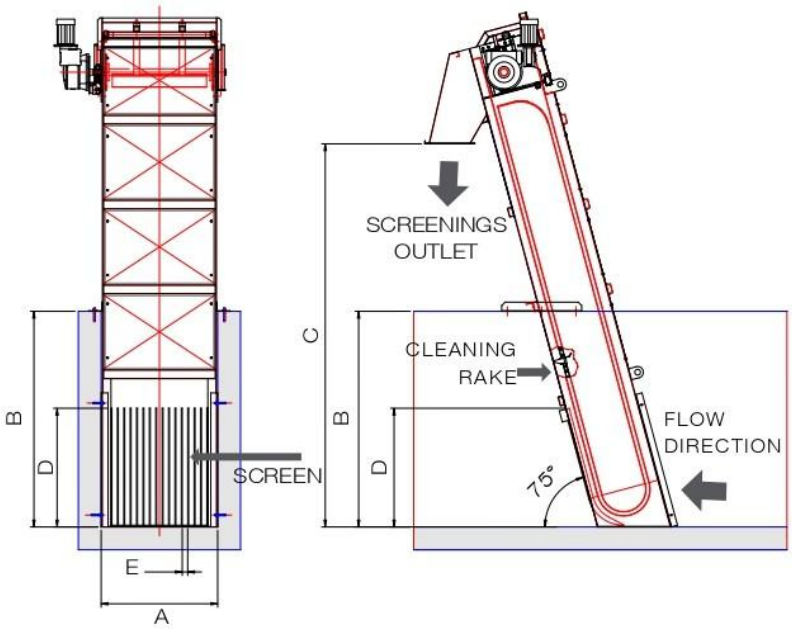
Sub-vertical Mechanical Bar Screens

THE BEST CHOICE FOR EVERY COARSE SCREENING NEED

Mechanical Screens consist of a robust steel frame and a bar filter, varying according to the screening efficiency required. The screens are used for coarse screening in both municipal and industrial waste water plants.

Waste water flows into the upstream end of the unit where screenings are captured on the bars. Chain-driven rakes clean the bars, conveying at the same time the solids to the discharge point. There material is removed from the rakes by a wiper and discharged into a dumpster, conveyor or compactor.

Overall Dimensions



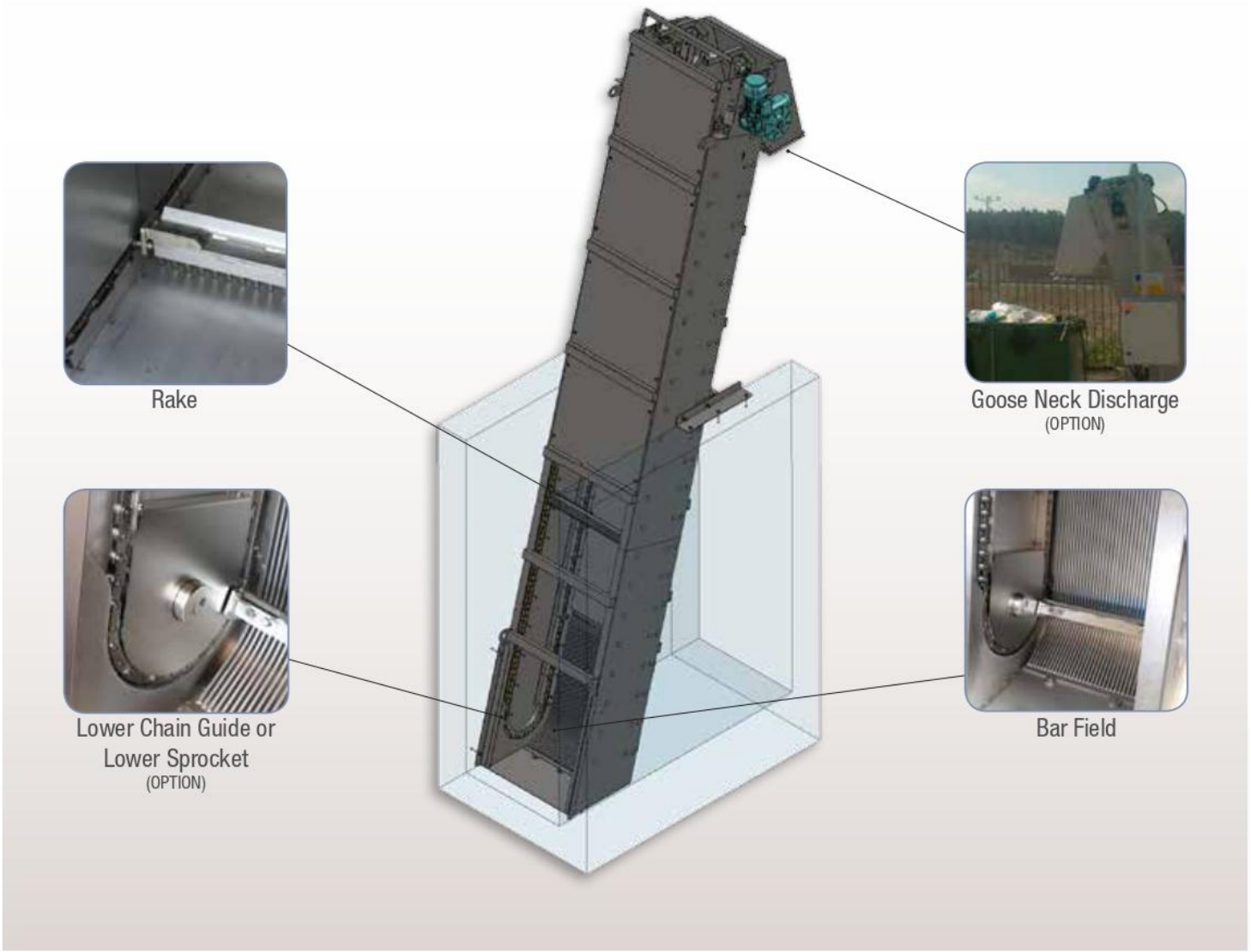
CHANNEL WIDTH A mm	CHANNEL HEIGHT B m	DISCHARGE HEIGHT FROM CHANNEL BOTTOM C mm	STANDARD SCREENING ZONE HEIGHT D mm (**)	OPENING SIZES mm	INSTALLED POWER kW
400	1 ÷ 6	up to 7 m ***	1,000	from 10 to 40 mm	0.55
500	1 ÷ 6	up to 7 m ***	1,000	from 10 to 40 mm	0.55
600	1 ÷ 6	up to 7 m ***	1,000	from 10 to 40 mm	0.55
700	1 ÷ 6	up to 7 m ***	1,000	from 10 to 40 mm	0.55
800	1 ÷ 6	up to 7 m ***	1,000	from 10 to 40 mm	0.55
1,000	1 ÷ 6	up to 7 m ***	1,000	from 10 to 40 mm	0.75
1,200	1 ÷ 6	up to 7 m ***	1,000	from 10 to 40 mm	0.75
1,400	1 ÷ 6	up to 7 m ***	1,000	from 10 to 40 mm	0.75

Benefits

- ✓ **Precision laser-cut raking tines cut from single stainless steel bar**
- ✓ **Recessed guide channels for drive chains reducing chain exposure to screenings**
- ✓ **Lower chain guide without moving parts**
- ✓ **No lower sprocket, no bearings**
- ✓ **Reduced service requirements (no need to remove screen from channel)**

Technical Features

- 10mm ~ 40mm spacing
- 2 or more cleaning rakes ensuring quick, efficient solids removal
- Channel width: 400 ~ 2,000 mm
- 75-degree incline angle (up to 90° with optional goose-neck)



Accessories

- Device to stop the rake out of the water

Application



