

Mechanical front-raked coarse screen - SCH-V



Mechanical front-raked coarse screen is one of product group designed for the mechanical pre-treatment of inlet waste water at waste water treatment plants. These products shall be installed in the inlet object of the plant downstream of the grit trap. They are designed to capture and remove solid substances (mostly organic) - screenings from the waste water.

SCH-V by company Fontana R, s.r.o. have robust frame with a steel grate built in the back. The screenings are captured at the grate and removed to the discharge edge by moving scrapers.

The grate scraping is performed by brushes and solid ledge installed on several carriages. These are attached to special drive chains.

The screen mechanism is protected against overload by a limit switch.

The screenings are falling off the scrapers to the discharge edge mostly by gravitation. The remaining screenings are removed by a wiping mechanism or may be optionally washed away by pressure water. The discharge edge height shall be adjusted to the adjacent device (i.e. container, screw conveyor, press).

Specification	
Channel width B:	500 + 3000 mm
Channel depth H:	800 + 9000 mm
Discharge edge height V_0 :	acct. container / press / conveyor
Slot width e:	20 + 60 mm (other sizes possible)
Screen inclination:	75°
Drive power input:	0.55 + 2.2 kW, 400V / 50Hz
Operating conditions:	a) indoors
	b) outdoors with temperatures between -20 and +50°C with heating unit 0.8 + 4.0 kW, 230V/50Hz
<i>Other parameter ranges have to be consulted with the manufacturer.</i>	

Product designation: **SCH-V B × H / V_0 × e / 75°**



ISO 9001

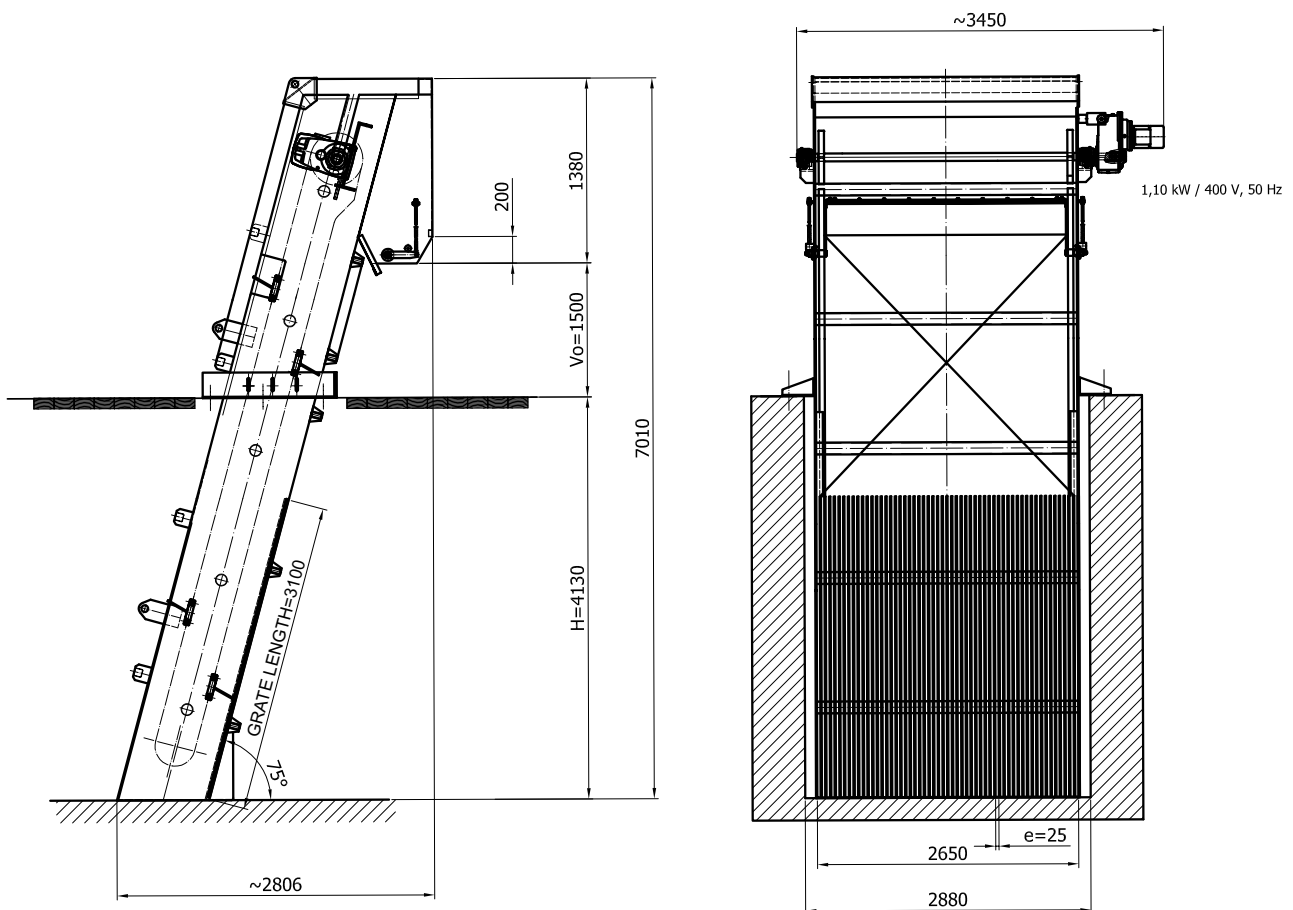
Most of the screen parts is usually made out of stainless steel. An economical version with frame out of mild steel is also possible. The frame is painted for better protection in both cases.

The screen operation may be time-based, or water level controlled with adjustable runtime.

The screens may be equipped with heating for outdoor installations. The heating is controlled by a thermostat via the control panel.

This product is not designed to remove grit, stones and other heavy material.

MECHANICAL FRONT-RAKED COARSE SCREEN - Example SCH-V 2700 (2880)×4130/1500×25/75°



To achieve an optimal incorporation of the equipment in the technological section of waste water treatment plants, *FONTANA R* offers consultations and technical support as a free customer service.



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