

Bottom-raked coarse screen – SCH-S

Bottom-raked coarse screen (SCH-S) are designed for pre-treatment facilities in waste water treatment plants where they are used to capture and remove screenings from incoming waste water. They are usually installed behind the gravel trap, before sand traps and fine screens.



The SCH-S screens feature a robust steel frame which is equipped with a wiped grid on the front side.

Screenings captured on the grid are removed by shaped fingers anchored in carriages. The carriages mounted in drive chains travel from the inner side of the grid from the bottom (from below) upward. The fingers move the screenings up to the arched part of the grid towards the discharge chute. The screenings are removed to the discharge chute by a mechanic wiper with electric drive.

The chain is driven by an electric drive by the main shaft and gear wheels.

ISO 9001

Specification	
Channel width: B	500 ÷ 3000 mm
Channel depth: H	800 ÷ 9000 mm
Discharge chute heigh: V₀	according to container
Slot width: e	30 ÷ 120 mm
Screen inclination:	75°
Main drive:	0,55 ÷ 2,2 kW, 3×400V/50Hz
Mechanical wiper drive:	0,25 kW, 3×400V/50Hz
Heating:	0,8 ÷ 4,4 kW, 230V/50Hz
<i>Other parameter ranges need to be consulted with the manufacturer.</i>	

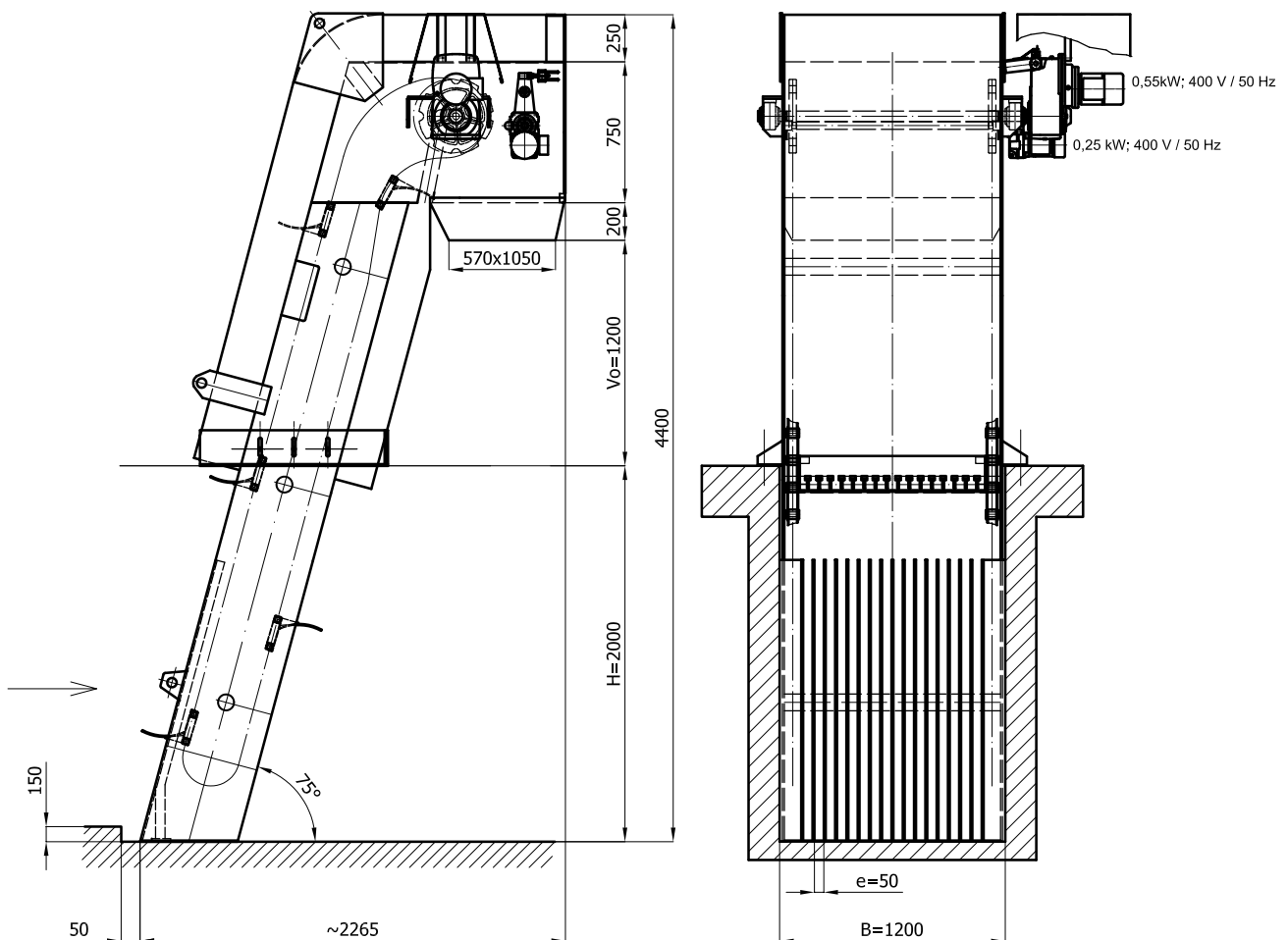
Product designation: SCH-S B × H / V₀ × e / 75°



The SCH-S screens are made of stainless steel combined with plastic. Optionally, the screen frame can be made of galvanized carbon steel; fixed parts are painted in both cases.

The screen operation is automatic, but also can be controlled manually by means of the control panel, which is delivered with an outdoor thermostat for the heated version. In automatic mode, the screen is engaged at preset time interval, or by a float or an ultrasonic sensor from the water level in front of the screen.

BOTTOM-RAKED COARSE SCREEN - Example SCH-S 1200×2000/1200×50/75°



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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