

Screw screen - SC

The screw screen is used to collect, transport and dewater screenings. It is installed in waste water treatment plants, usually in inlet canals both outside and inside the buildings. It can be equipped with heating unit for outdoor use.

Further optional auxiliary equipment includes bagging adapter and electrical switchboard for fully automated operation.

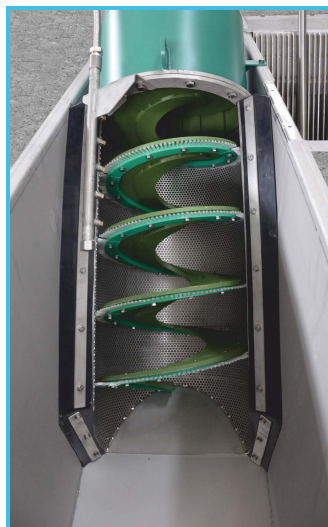
SC complete the assortment of various types of screens manufactured by Fontana R, s.r.o.

Main advantage of this screen lies in the easy replacement of scraping brushes. These are formed by separate segments and are fastened to spiral by means of screw connections. For this operation, it is not necessary to remove the screen from the canal.

Specification	
Capacity:	up to 2 m ³ /h
Channel width: B	300 ÷ 500 mm
Channel depth: H	500 ÷ 2000 mm
Discharge chute height: V₀	400 ÷ 2000 mm
Slot width: e	5 ÷ 10 mm
Screen slope: α	40°
Drive input power:	1,5 ÷ 3 kW, 400 V / 50 Hz
Heating:	0,5 ÷ 1,5 kW, 230 V / 50 Hz
Solenoid valve input power:	34 VA, 230 V / 50 Hz
Spraying water:	0,8 l/s (5 min/h) - 0,3÷0,6 MPa
<i>Other parameter ranges should be discussed with manufacturer.</i>	

Product identification: **SC B × H / V₀ × e / α**

ISO 9001



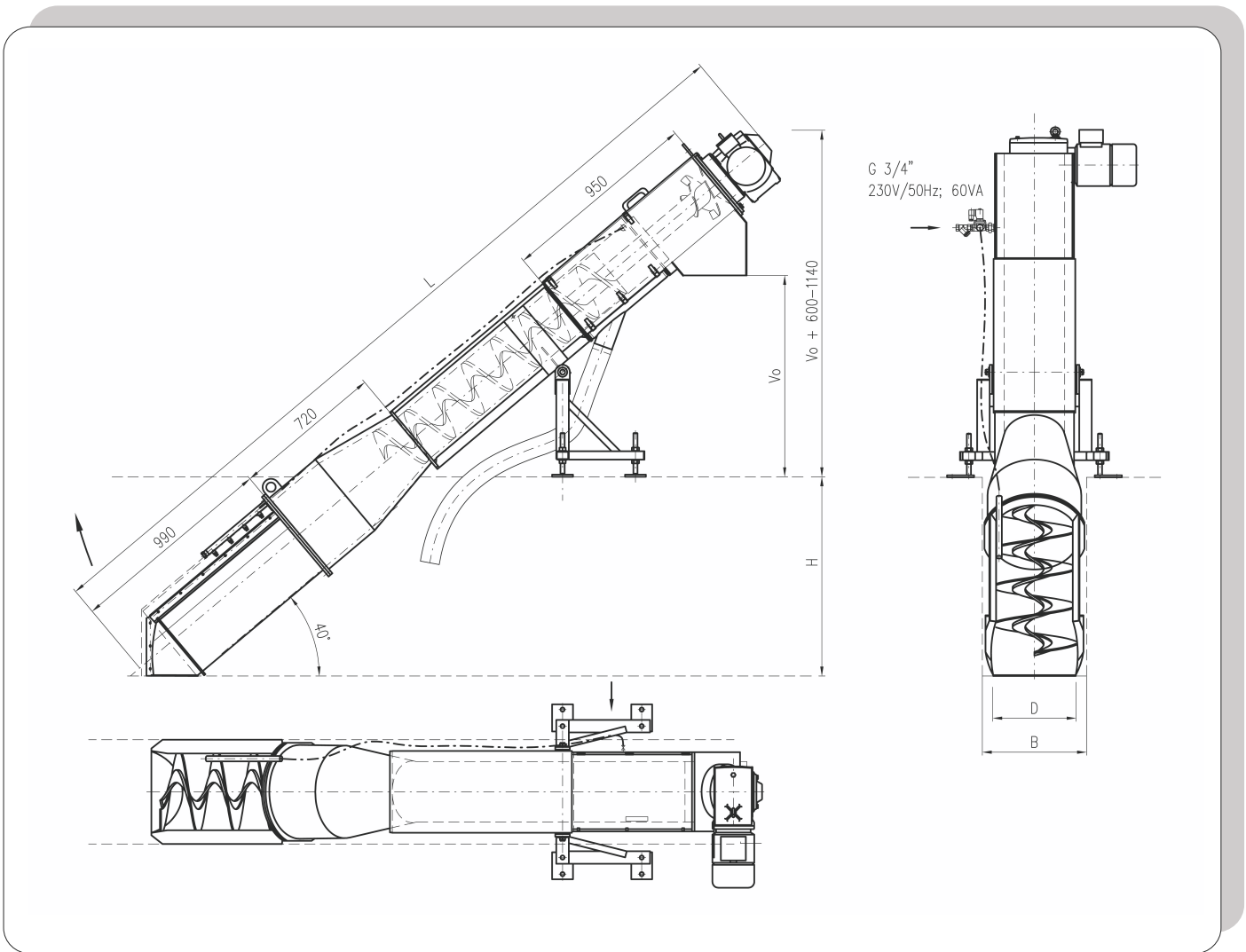
Main part is formed by a screw of variable diameter that is inserted in shaped trough and in its upper part is connected by means of pivot directly to drive electrical gearbox.

The trough consisting of several sections is perforated in its lower filtration chamber. Washing water is supplied here that is used to clean the filtration openings and remove faeces.

Washing equipment is suspended on the cover of pressing chamber, it is equipped with solenoid valves that are set for interval supply of water. The screenings collected in filtration part on screen inlet are transported by the screw to pressing chamber.

Materials used: the screw screen is made of nickel-chromium stainless steel, the screw can be made of high-strength carbon steel.

In order to provide for the operation outdoors even under the temperatures below zero, the trough is equipped with double insulated jacket with heaters.



In order to ensure optimum integration to technological equipment of WWTP, FONTANA R, s.r.o. provides consultations and technical assistance as a free service for its customers. Service in 24 (48) hours.



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