



VERTICAL SCREW SCREEN DF SP

APPLICATION

Vertical screw screen DF SP is a unique design intended for use where dimensional building restrictions exist to replace, e.g. a basket screen. The unit is installed in upright position on the wastewater pipeline or channel for separation of the solid matter from municipal or industrial wastewater. Shaft screw conveyor is installed as standard.

OPERATION PRINCIPLE

The contaminants retained on the drum screen are removed from it by rakes attached to the screw conveyor. The screenings are next conveyed over the pump room floor level and are pressed in the screenings press for dehydration level about 30% and, via a discharge chute, they are removed to the screenings container.

OPTIONS

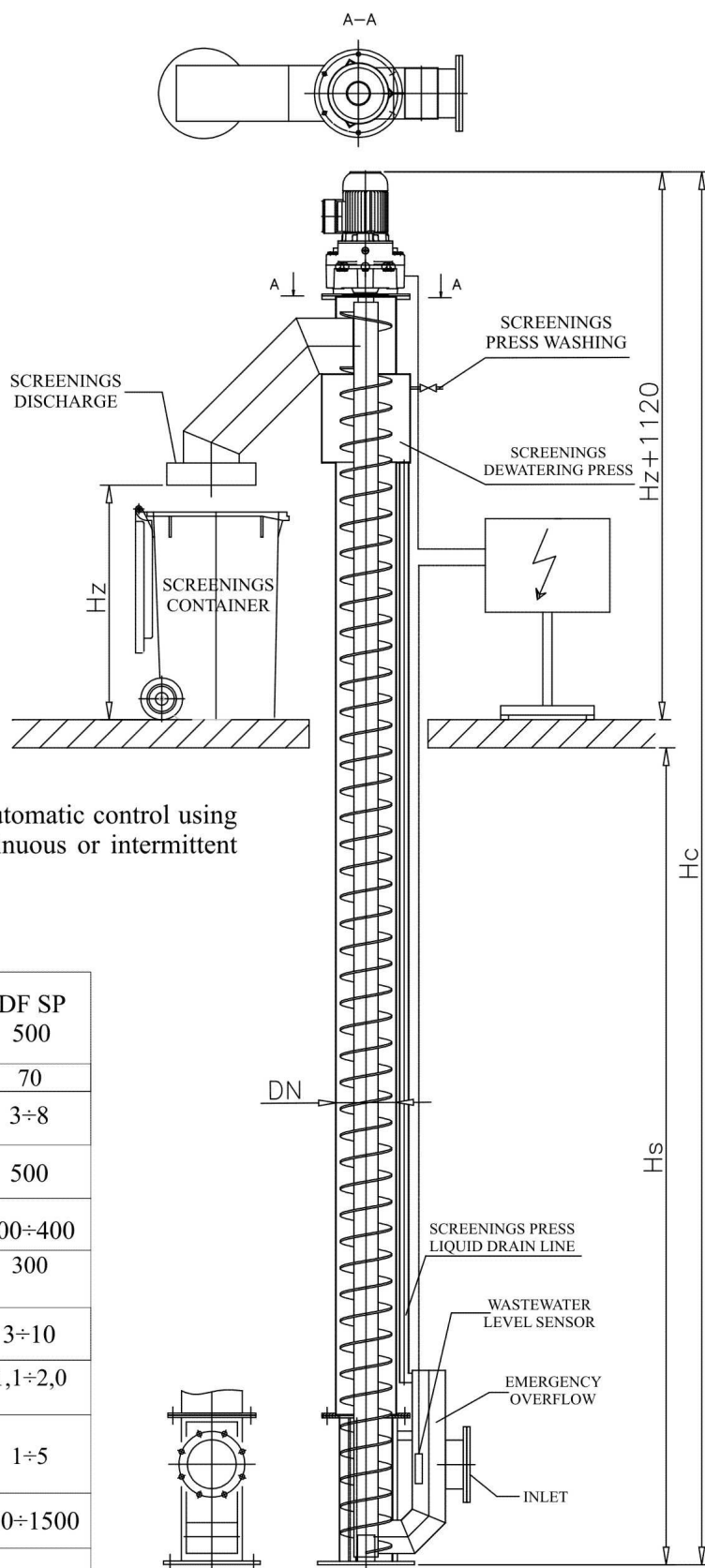
- thermal insulation with heating system
- screenings washing with screenings press liquid drain line
- unit operation programmable controller

CONTROL SYSTEM

Different control methods of the unit can be provided, e.g. automatic control using inflowing wastewater measurement or remote control. Continuous or intermittent modes of operation are selectable.

SPECIFICATIONS

SCREEN TYPE			DF SP 300	DF SP 400	DF SP 500
PARAMETER					
Throughput	Q	l/s	30	50	70
Total length	Hc	m	3÷8	3÷8	3÷8
Screen drum diameter	d1	mm	300	400	500
Influent connection diameter	d2	mm	200	200÷300	200÷400
Screw conveyor diameter	DN		300	300	300
Perforation pattern	s	mm	3÷10	3÷10	3÷10
Driving motor power	P	kW	1,1÷2,0	1,1÷2,0	1,1÷2,0
Depth of wastewater inflow	Hs	m	1÷5	1÷5	1÷5
Screenings discharge height	H _z	mm	900÷1500	900÷1500	900÷1500
Material	EN 1.4301 grade steel				



On request, the unit can be modified to customer's requirements.