

Screw presses for screenings with washing – LSP

Screw presses for screenings with intensive washing – LSP-P

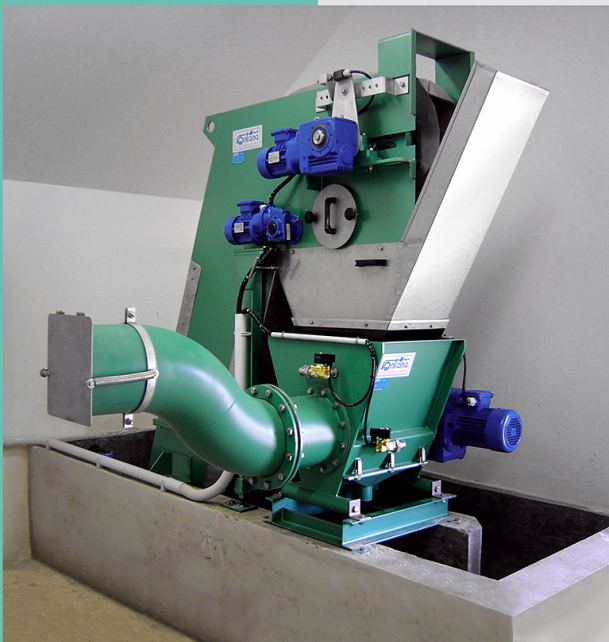
Screenings press with washing is a device designed to wash, dehydrate, press, compact and transport screenings into a container. It is used primarily in wastewater treatment plants, to reduce the content of free water and organic matter in screenings and enable them to be transported and stored.

Variable design of the discharge pipe allows the screenings to be transported in different directions, even in space-limited areas, or to a location outside the building. Smaller treatment plants may install the press directly under a bar screen, while larger plants incorporate them into treatment lines with connecting screw conveyors. Extended models of the presses are also available, to accommodate a set of two bar screens.

Technical data	
Transport volume:	1,5 ÷ 6 m ³ /h ⁻¹
Screw diameter: Ø D	200, 250, 300, 330, 450 mm
Length of infeed/discharge: L/L _d	500,750,1000,1250,1500/2000 ÷ 6000 mm
Degree of dehydration:	do 40% by weight; 40 ÷ 60% by volume
Drive input power:	1,5 ÷ 7,5 kW/ 400 V/ 50 Hz
Washing and rinsing water supply (when operating):	2 x solenoid valve 3/4"; 0,8 ls ⁻¹ at 0,5 MPa; 1 min. 1x per hour
Heating input power:	0,4 ÷ 2,0 kW/ 230 V/ 50 Hz

For alternate parameter value ranges, please consult the manufacturer

Product designation: **LSP Ø D x L / L_d**



ISO 9001

WASTEWATER TREATMENT PLANT EQUIPMENT

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Hydraulic screenings press consists of a base frame with a trough provided with an infeed part and a pressing part, collection trough for extrusions, discharge chamber of the screw conveyor, and a discharge pipe.

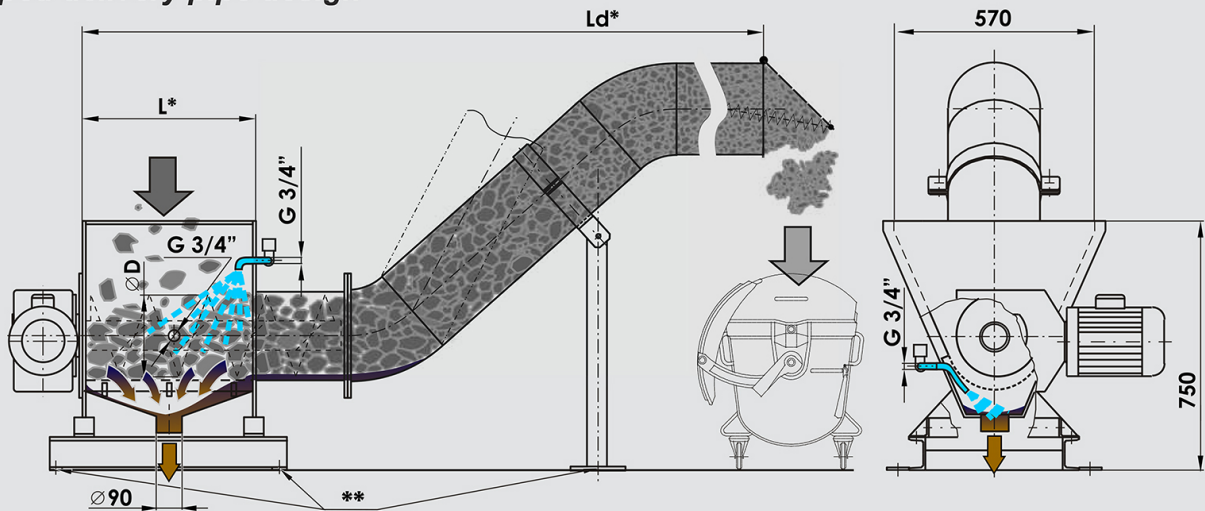
It utilizes the pressing force of a revolving screw, moving against a column of screenings inside the discharge pipe.

A pipe with jets deliver washing water into the screenings infeed chamber, rinsing water is fed from under the press chamber.

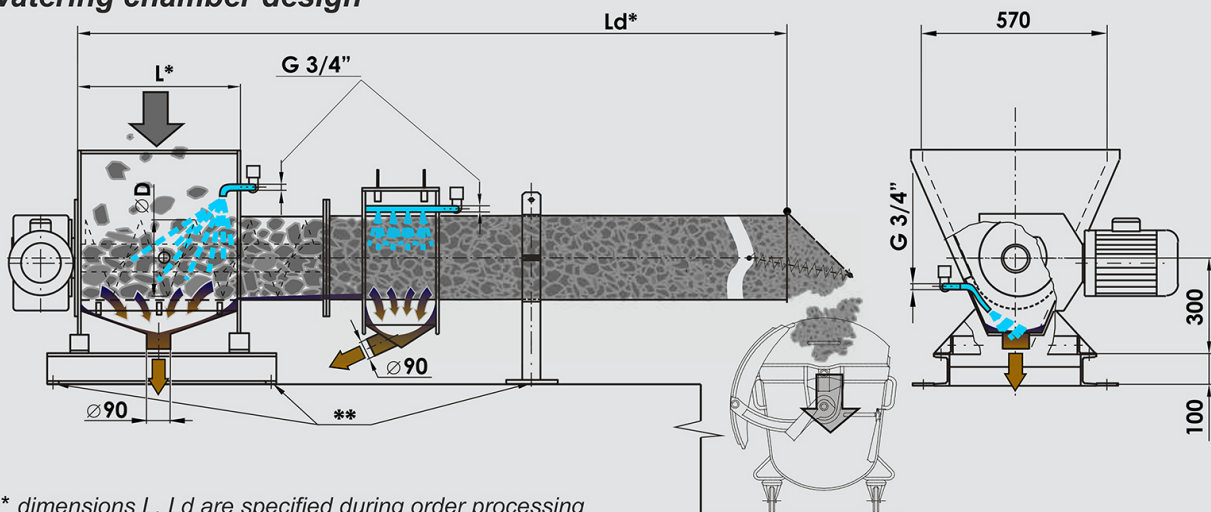
Removal of the extrusion with washing is directed through an outlet neck or a hose.

A throttle valve provides the ability to regulate the screenings dehydration level. Above the standard delivery, the customer can also order a bagging device, and heated variants of the press chamber and discharge pipe components.

Shaped delivery pipe design



Dewatering chamber design



* dimensions L, Ld are specified during order processing

The press and its accessories are made of corrosion resistant steel, the pushing screw and base frame are made of carbon steel, outer surfaces are painted.

Operation of the press, including the bar screen and heating is controlled by a dedicated switchboard. The LSP-P model of the screenings press is designed to provide more intensive washing of the screenings, which reduces their resulting organic material content. It is a press with the same structural design and functions, fitted with two to three times more rinsing jets, requiring a larger washing water supply.

The manufacturer Fontana R, s.r.o. offers its customers free consultations and technical assistance to help ensure optimal integration of equipment into the technological part of given WWTP.