

Hydraulic press for screenings with washing - LSH-P

The hydraulic press for screenings with washing (LSH-P) is designed for washing, dewatering and compaction of screenings caught on the screen and for their transport to the container.

It is used mainly in waste water treatment plants to reduce the quantity of free water and organic substances in screenings and thus make them more suitable for transport and storage.

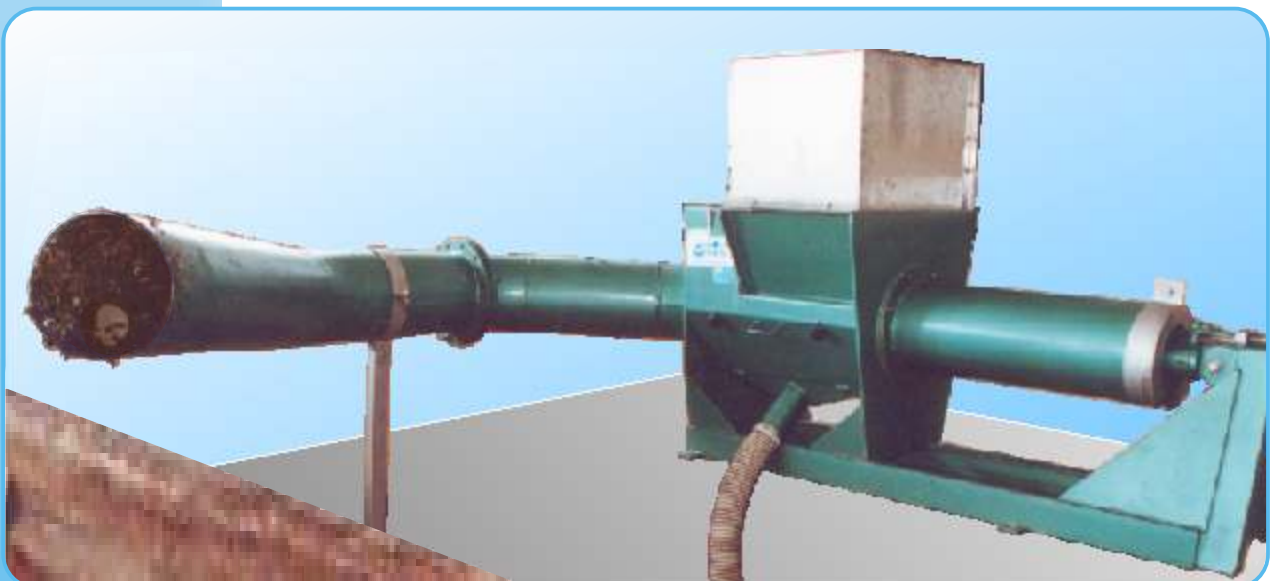
The LSH-P allows variable dimensions of charging hole and variable dimensions of the delivery pipe according to local conditions.

The manufacturer or designer shall choose the appropriate press design and type according to the "screen-press-container" line lay-out.

ISO 9001

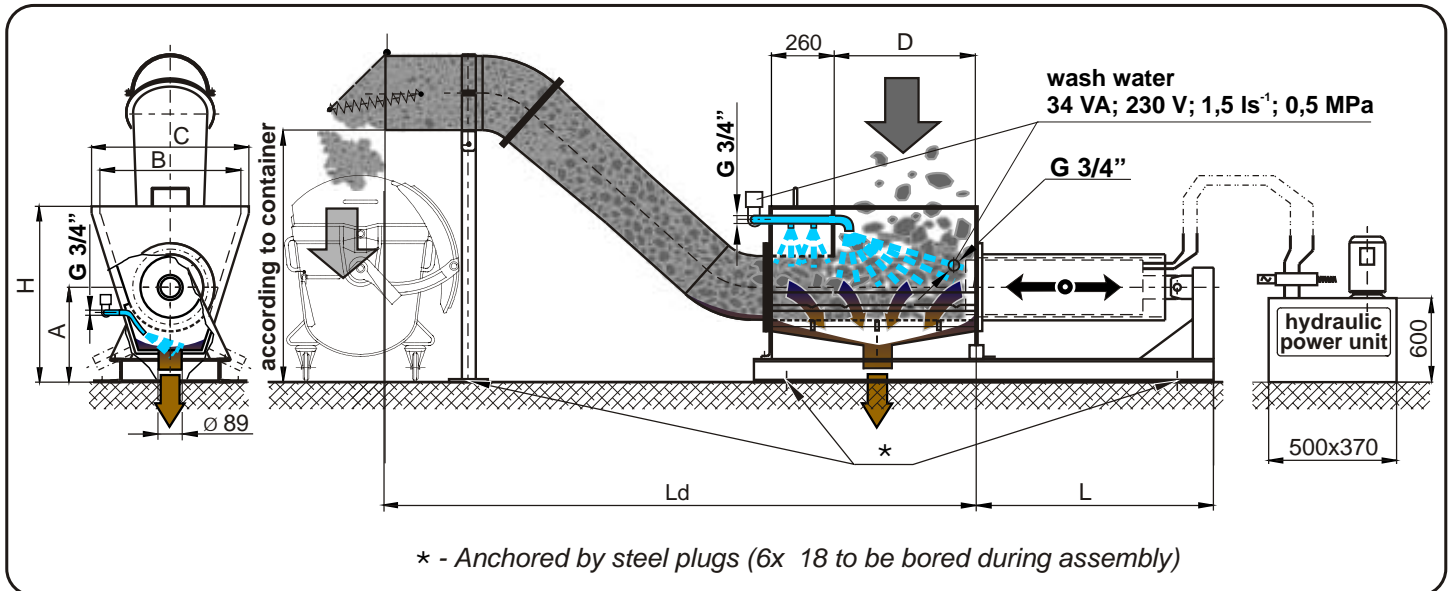
Specification	
Quantity transported:	up to 4 m ³ h ⁻¹
Hydraulic ram diameter:	D = 265 or 315 mm
Charging hole dimensions (part of feeding hopper):	500 x min. 500 mm (according to screen dimensions)
Delivery length:	L _d = 2000÷6000m according to container position and dimensions
Dewatering rate:	50÷60% of volume and weight
Power input:	hydraulic unit 1,5 or 2,2 kW/ 400 V/ 50 Hz
Wash and jet water in put: (during operation)	2×electromagnetic valve 3/4"; 0,8 l.s ⁻¹ at 0,5 MPa; 34 VA; 230 V
<i>Other parameter ranges need to be consulted with the manufacturer.</i>	

Product identification: **LSH-P** D x L / L_d



The LSH-P consists of a base frame, a trough functioning as a feeding hopper, a cylindrical ram, a hydraulic cylinder and a delivery pipe.

The equipment presses water out of screenings during the forward movement of the ram against the column of dewatered screenings. The ram movement is provided by a hydraulic cylinder through a hydraulic power unit. Screenings are transported through a closed delivery pipe shaped upwards into the container, this means that the press also functions as a transporting device. The shape and length of pipeline depends on the dimensions and position of the container. The faeces with wash water are first transported into a collecting thin phase trough below the press and then back into the screen canal or collecting canal. (Alternatively this can be performed by means of collecting tank and re-pumping.)



Dimensional series:

LSH-P	H	L _d	L	A	B	C	D
265	750	from 7000	from 1030 to 1530	400	580	450	from 500 to 1000
315	850	from 7000	from 1080 to 1580	500	630	700	from 500 to 1000

Materials used:

- The trough, ram and delivery pipe are made of *stainless steel*
- The hydraulic cylinder and power unit are made from *standard materials*
- The base frame is made of *galvanised carbon steel*

For improved appearance the surface of the trough and delivery pipe is painted.

Operating conditions:

- Indoor use
- Outdoor use up to - 20°C, the equipment must be fitted with heating units.

The timing of the press is provided by an electric switchboard with a built-in programme. The switchboard can be used to control all devices in the same line (e.g.: self-cleaning screen - screw conveyor - screenings press, etc.).

To achieve an optimum 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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