

Hydraulic Screenings Compactor / Conveyor with Washing - Model LSH-P

PRO-FACTORY

The PRO-PACTOR hydraulic compactor / conveyor is designed to dewater and compact screenings from a bar screen and to transport the screenings to a container after they have been washed in the hopper. It is used mainly in sewage treatment plants to reduce the amount of free water and organic substances in screenings and to make it more compact for transportation and disposal. The hydraulic compactor is capable of transporting screenings to higher elevations and a greater distance than screw compactors

The PRO-PACTOR LSH-P hydraulic compactor / conveyor allows variable dimensions of hopper openings and variable lengths of the delivery pipe to accommodate local conditions. The compactor / conveyor is driven by a hydraulic system at 1000 Psig under normal operating conditions.

SPECIFICATIONS	
Hydraulic Ram Diameter:	Ø D = 265 or 315 mm (10.4" or 12.4")
Hopper Dimensions:	Typically 500 x 635 mm (20" x 25")*
Delivery Length:	Ld = 2 ~ 20 m (6' - 60') Depending on container position, route & dimensions*
Compaction Ratio:	50 ~ 70% of volume and weight
Drives:	Hydraulic unit 1.5 or 2.2 kW (2 or 3 hp)
Washing Water:	Solenoid valves ¾", 0.5 ~ 0.8 l/s (8 ~ 13 gpm) at 30 Psig
Electrical Input:	230-460V/ 3 PH / 60 Hz

**For special requirements contact PRO-Equipment, Inc.*

Product Identification: LSH-P øD x L/L_d



PRO-Equipment, Inc.

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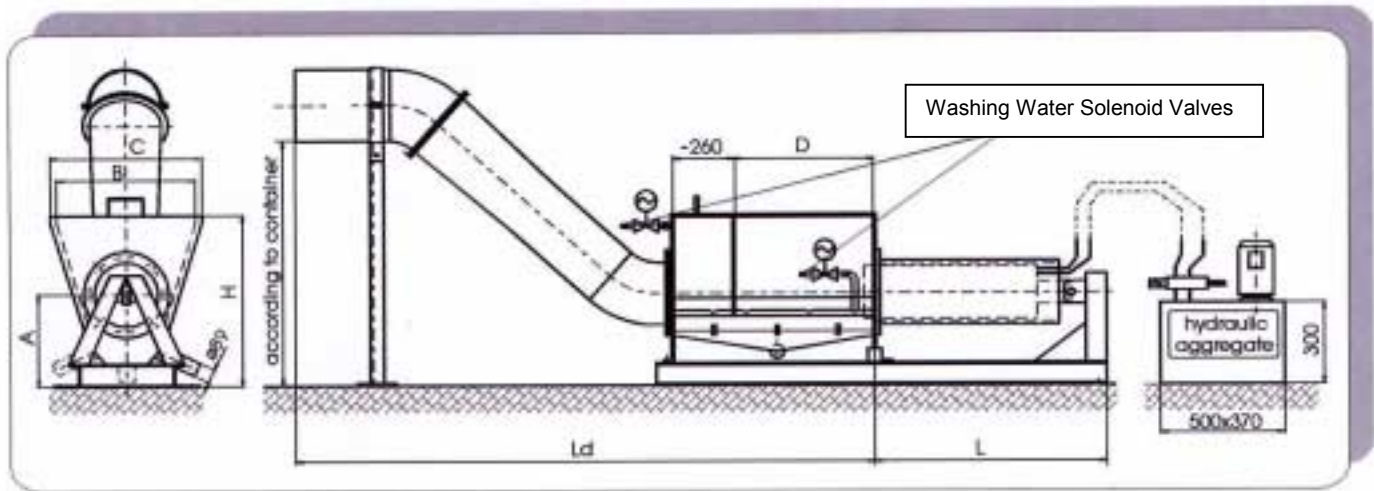
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The PRO-FACTOR hydraulic screenings compactor / conveyor consists of a base frame, trough hopper, cylindrical ram, hydraulic system and a delivery (discharge) pipe.

The equipment drives water out of screenings during the forward motion of the ram against the dewatered screenings plug. The ram is driven by a hydraulic cylinder through a hydraulic pump system. Screenings are transported through a delivery (discharge) pipe angled upwards into the container. The configuration and length of delivery piping depends on the dimensions and position of the container. The wash water is first drained into a collecting trough underneath and then directed back into the channel, a storage tank, or pumped to its receiving end.



Dimensions: mm (inch)

Model	H	Ld	L	A	B	C	D
265	750 (30)	From 2000 (79)	From 1030 to 1530 (41 – 60)	400 (16)	560 (22)	635 (25)	From 500 to 1000 (20 – 40)
315	850 (34)	From 2000 (79)	From 1080 to 1580 (43 – 62)	500 (20)	630 (25)	700 (28)	From 500 to 1000 (20 – 40)

Materials Used:

- The trough, hopper, ram and delivery pipe are made of 304 SS as standard material.
- The hydraulic cylinder and system are made from standard materials.
- The base frame is made of galvanized carbon steel as standard material.

Operating Conditions:

- Indoor use
- The hydraulic equipment shall be equipped with heating units below 20 °C (68 °F).

The timing of the compactor is provided through a control panel. The control panel can be expanded to control other devices such as bar / belt screens, conveyors.



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