

## Hydraulic Screening Press KD 09



# Hydraulic Screening Press KD 09

The Hydraulic Screening Press KD 09 is used for dewatering, compaction and transport of screenings and other material that can be dewatered. Screening could be feeded to screen solids press KD by a shaft less conveyor type KD02 or by pipe. The Hydraulic Screening Press ensures a very high amount of dry solids while at the same time "pumping" the material to the required place of depositing both vertically and horizontally. The machine is reliable in service, easy to operate and only requires limited maintenance.

Screenings are transported from the screen construction either directly from reject on screen or by a screw conveyor to the press inlet. The plunger compresses the screenings towards reject end where the plunger is kept in its outer position for a short period in order to ensure optimum dewatering. The plunger then returns to its starting position. In the outer position a stop plate is placed to prevent the material from returning to the press zone. Liquid / water will drain into the press bottom which is equipped with drain openings.

The plunger is operated by a hydraulic station placed immediately next to the press. Press control is built into

a rust proof control cabinet containing a logic module where press cycle, alarms, etc. can be adjusted. The standard Hydraulic Screening Press is constructed from rust proof steel and pickled after processing in order to achieve optimum resistance to corrosion.

KD offers the following additional equipment to the Hydraulic Screening Press : inlet hopper, discharge tray and press tube. The Hydraulic Screening Press with additional equipment is supplied in optional dimensions and materials according to requirements.

Additional equipment: Inlet hopper, Discharge tube, Reject tray, Endless plastic bags (to reduce odour problems)

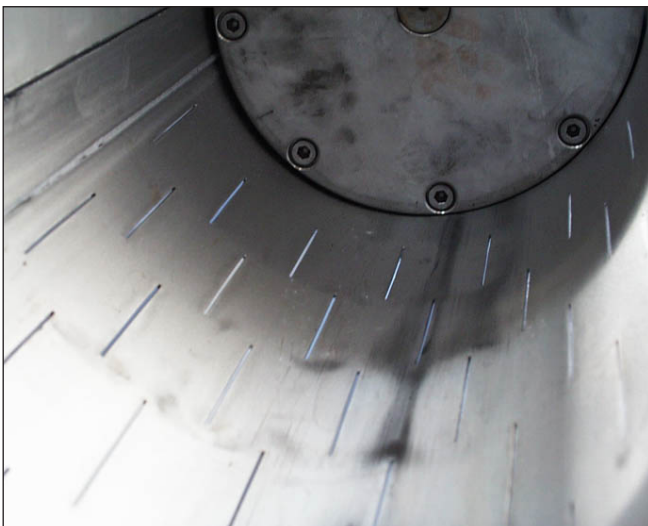
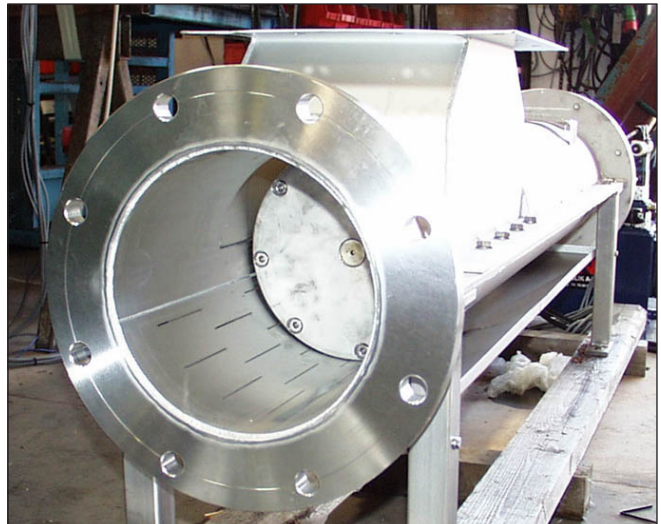
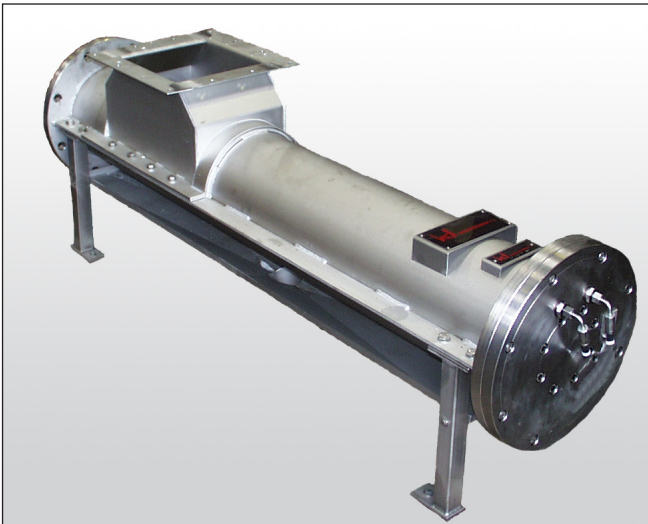
The Hydraulic Screening Press is available in 3 standard versions.

Ø 200 stroke length = 600 mm

Ø 300 stroke length = 700 mm

Ø 400 stroke length = 800 mm

Hydraulic Screening Press with additional equipment can be supplied in other dimensions and material types.







Kerteminde WWTP, Denmark.



Screenings after pressing.



Outside pipe for pressed screen solids.

Type	KD 09-200	KD 09-300	KD 09-400
Capacity (m <sup>3</sup> /h)*	0.5	1.5	3.0
Cylinder diameter (mm)	Ø63	Ø80	Ø100
Stroke length (mm)	600	700	800
Press cycle, time	60 sec.	60 sec.	60 sec.
Output (kW)	1,5	3.0	5.5
<b>Specifications</b>			
Hydraulic station	AVN max pressure 200 BAR		
Hydraulic cylinder	LJM		
Plunger	Nylon / AISI 304		

\* Capacity based on 30 cycles / hour.

The screen press is constructed from stainless steel SS2333 and is totally pickled after processing.

