

# SHAFTLESS SCREW PRESS



**Shaftless screw presses from Läckeby Products are developed and dimensioned for heavy duty and efficient dewatering. The design is based on long experience and both minimises and simplifies maintenance work.**

## Function

The company's screw presses are based on a shaftless screw conveyor, which transports the material into the press unit. Material is dewatered in the unit's perforated dewatering zone. A plug of dewatered material is formed at the outlet end due to the resistance created by the distance between the end of the spiral and the weight-loaded outlet shutter.

The shaftless spiral makes the screw press particularly suitable for materials that tend to stick to, and tangle with, a shaft. Materials with variable particle sizes and irregular shapes can also be transported without problem using shaftless screw conveyors. Shaftless spirals reduce maintenance needs, as they can work filled to a far greater degree in the conveyor.

## Technical features

- Shaftless spiral
- Robust design
- Simple inspection via a hatch in the press unit
- Brush-equipped spiral at the drainage
- Flexible design of the press unit
- Variable resistance on the outlet shutter

## Process benefits

- Enhances efficiency of dewatering and transport, and minimises wear
- Prolongs service life
- Makes flushing and maintenance easier
- Minimises risk of clogging
- Facilitates easy changing of press pipe
- Enables adjustment of dewatering level

## Applications

- Paper and pulp
- Slaughterhouse waste
- Municipal and industrial wastewater screenings
- Fruit and vegetable waste
- Brewery waste

## Design

The press unit is equipped with an inspection hatch to make maintenance simpler and enable flushing of the press pipe. Flexible attachment of the press pipe in the press unit makes press pipe replacement easier. The spiral is fitted with a brush at the drainage to minimise the risk of clogging. As standard, screw presses are made in stainless steel or acid-proof steel with Hardox wear bars. Spirals are made of black material as standard, but are also available in stainless steel.



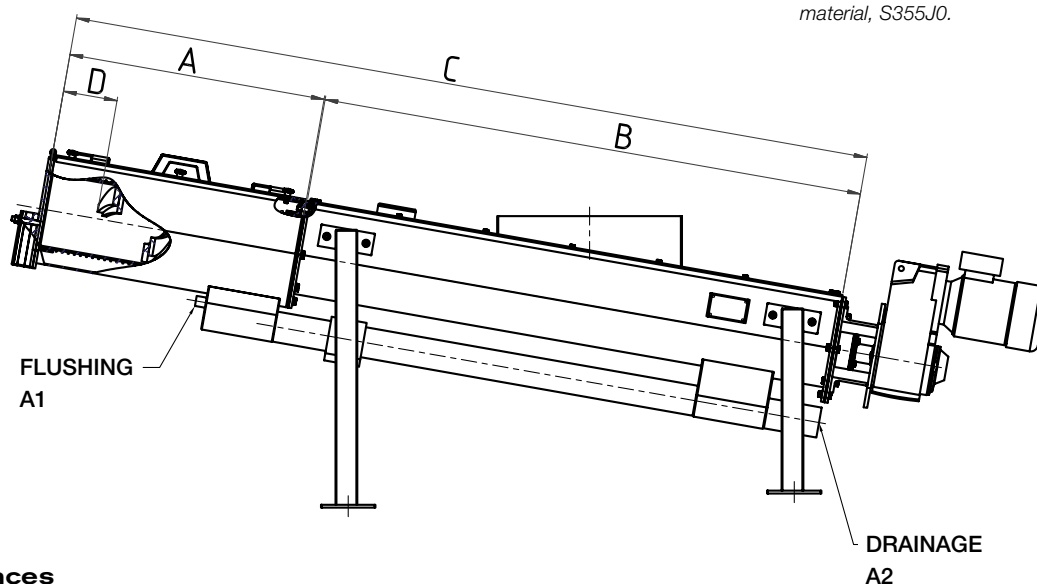
Screw presses from Läckeby Products are fitted with an inspection hatch for the press unit, and replaceable press pipes.

## Standard models

| Model   | A (mm) | B (mm) | C (mm) | D (mm) |
|---------|--------|--------|--------|--------|
| SSP-220 | 500    | 1500   | 2000   | 150    |
| SSP-260 | 500    | 1500   | 2000   | 175    |
| SSP-320 | 700    | 2000   | 2700   | 225    |
| SSP-420 | 700    | 2500   | 3200   | 300    |
| SSP-500 | 1000   | 3000   | 4000   | 350    |



Interior view of the press pipe in Wedge Weir and spiral in black material, S355J0.



## References

Läckeby Products has more than 40 years' experience of designing and producing shaftless screw conveyors, and has supplied more than 1.000 screw conveyors and screw presses to both industrial and municipal plants worldwide.

*Läckeby Products develops, designs and manufactures screw presses. Coordinated expertise and production ensures high quality service and delivery. Läckeby Products can also participate in the planning stage and take on responsibility for everything from dimensioning to installation. Through our involvement at the planning stage, we can offer a total process guarantee.*

## LÄCKEBY PRODUCTS

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