

# KSP screw press

for coarse and fine screenings: dewatered – compressed – transported

## KUHN KSP screw press

Our screw press are used as optimal supplements in disposal processes, where separated, moist recyclings are dewatered, compressed and transported away. Our machines have proven their worth over many years, especially in municipal and industrial treatment applications.

### Design

The **KUHN** KSP screw press consists mainly of a press frame with material feed hole and compaction zone, conveyor and press screws, screw bearing, press water pan with drain connection, support structure and geared motor.

The **KUHN** KSP screw press is designed as a welded stainless steel construction fully treated in a pickling bath.

In the bearing housing, located between the geared motor and the press frame, a steady bearing and a counterbalance bearing can be found. The bearing housing is closed by a special gasket on the spiral side.

An especially wear-resistant wedge wire is welded on to the bottom of the press frame to ensure safe and clog-free discharge of the pressure water.

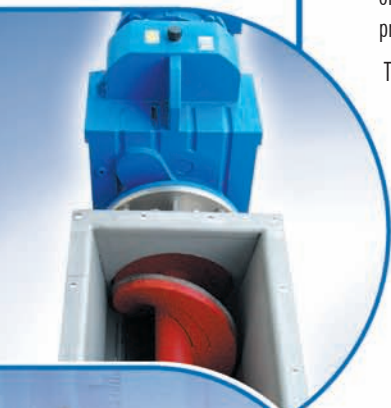
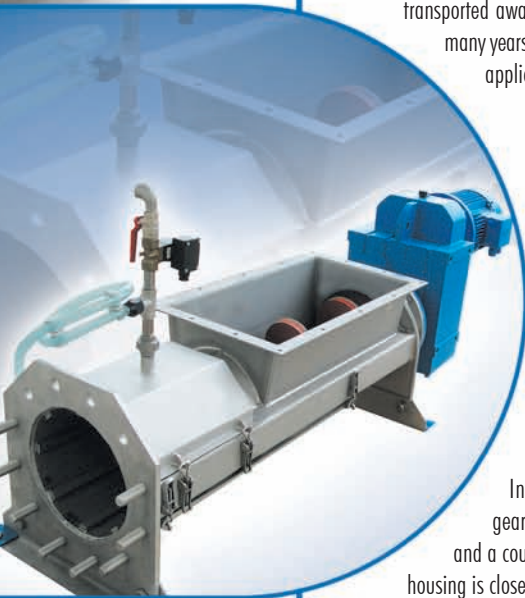
The conveyor and press screw consists of a sturdy shaft with a welded-on screw; this screw is made out of solid profile steel rolled on the piece. The press screw is additionally armour-plated with a strong alloy in those places where the operational demands on the material are at their highest, thus additionally protecting it against wear. An appropriate perforation in the compaction zone ensures the discharge of pressure water.

The compaction zone is automatically flushed by using a solenoid valve. An offset geared motor is applied as the drive.

## Technical features

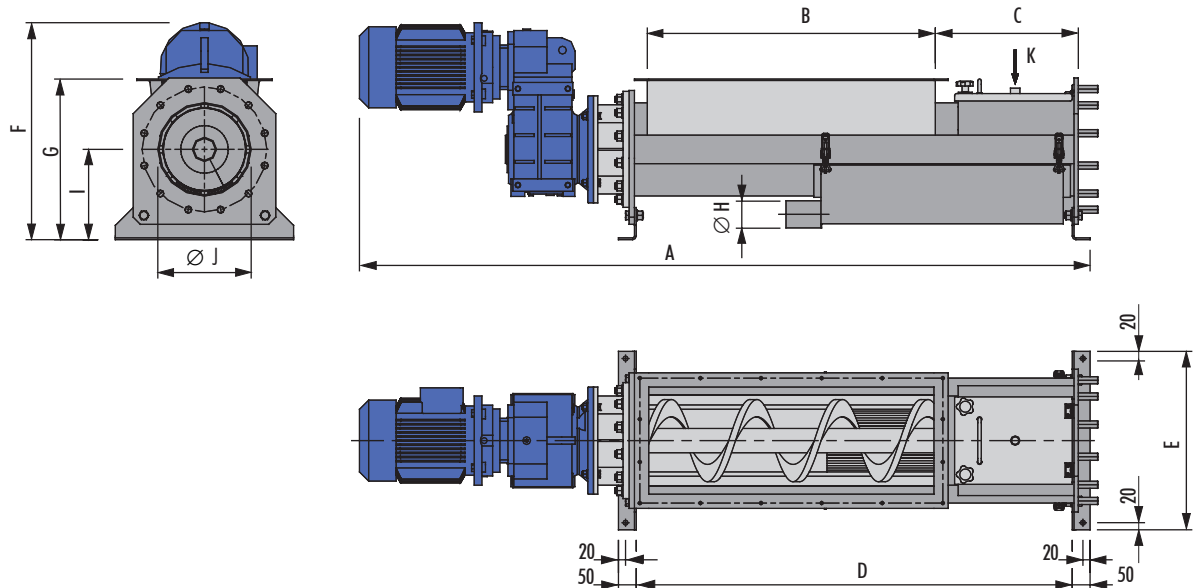
The superior design of our **KUHN** KSP screw press ensures an optimal operation, both in an ecological and economical sense, and guarantees a long-term return on your investment, owing in part to the following advantages (overview):

- Small dimensions owing to its compact design
- Sturdy construction
- Long service life due to the use of high-quality materials
- Armour-plated conveyor screw
- Dewatering: up to 40% dry matter (depending on the material to be dewatered)
- Removable press water pan
- Reduction of disposal costs
- Special steady and counterbalance bearings
- Increased dewatering area due to a wedgewire
- A bagging mechanism may optionally be attached to the press pipe for hygiene purposes as well as for keeping in odours.



# KSP screw press

for coarse and fine screenings: dewatered – compressed – transported



All dimensions in mm.  
We reserve the right to make technical alterations.

Type	A	B	C	D	E	F	G	Ø H	I	Ø J	K	P <sub>n</sub> [kW]
<b>250/600</b>	1875 (1775)	600 x 300	405	1023	500	607	450	76,1 (DN65)	253	273 (DN250)	R 1/2 "	3.6 (4.0)
<b>250/800</b>	2075 (1975)	800 x 300		1223								
<b>250/1000</b>	2275 (2175)	1000 x 300		1423								
<b>250/1200</b>	2475 (2375)	1200 x 300		1623								
<b>250/1600</b>	2875 (2775)	1600 x 300		2023								
<b>250/2000</b>	3275 (3175)	2000 x 300		2423								
<b>400/600</b>	2385 (2255)	600 x 402	608	1267	660	852	620	108 (DN100)	350	406,4 (DN400)	R 3/4 "	6.8 (7.5)
<b>400/800</b>	2585 (2455)	800 x 402		1467								
<b>400/1000</b>	2785 (2655)	1000 x 402		1667								
<b>400/1200</b>	2985 (2855)	1200 x 402		1867								

Values in ( ) for motors without explosion protection

## Max. throughput rate, raw screenings

KSP 250 approx. 2.8 m<sup>3</sup>/h  
KSP 400 approx. 8.0 m<sup>3</sup>/h

## Drive

Index of protection IP55 (explosion protection possible)  
Motors/Fittings parallel shaft gear motor  
(bevel gear motor optional)

## Flush water

min. pressure 2.5 bar  
Quality min. filtered industrial water  
(filter fineness ≤ 150 µm)

## Materials

Press frame AISI 304 stainless steel  
Press screw special steel

Other materials on request.