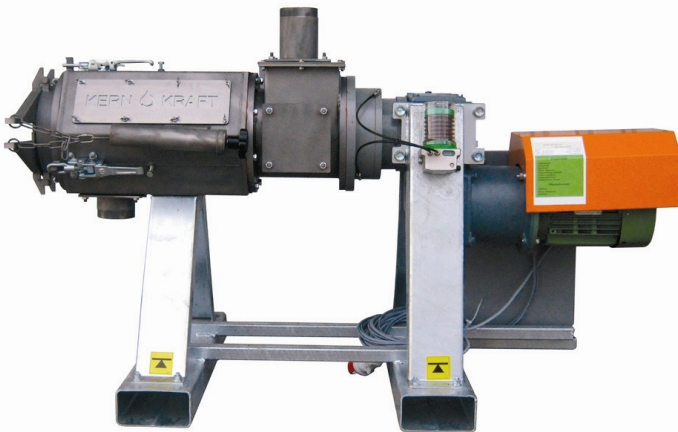


KKS Separator - Pressschneckenentwässerer



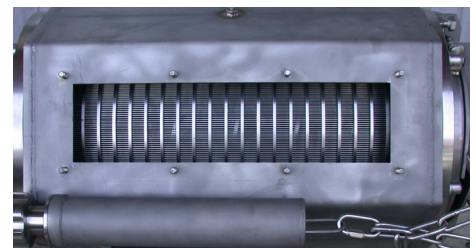
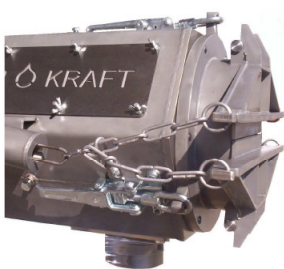
	KKS 26	KKS 26 F	KKS 31	KKS 31 F
Performance/capacity: * for TS-content, mesh size, static suction lift	3 – 15 m³/h*		5 – 25m³/h*	
Motor power:	5,5kW/400V	5,5kW/400V	7,5kW/400V	7,5kW/400V
Rpm:	38 ¹ /min.	15–50 ¹ /min.	38 ¹ /min.	15–50 ¹ /min.
electr. control:	Control cabinet with overload protection, emergency shut-off, 0/1-switch, pole change-over (rpm), CEKON 32Amp Plug, F: added frequency converter (vector controlled) and rpm-potentiometer for continuously speed control (without pole change over)			

The separator for drainage from muddy and pasty residues in

- | | |
|---|------------------------------------|
| - agricultural company (animal husbandry, biogas) | - communal application (biosolids) |
| - the food industry (butchery, brewery) | - distillery and bioethanol plants |

Vantages from the separator:

- Variable performance by 2 fixed or adjustable speed control
- Various highly strainer cages (wearing profile) gap sizes: 0.25, 0.5, 0.75 and 1mm
- Extruder screw from highly wear-resistant steel, with three-dimensional drainage effect (3D extruder)
- Variable drainage against 2-piece clip flap tensioning
- Wear parts can be easily and even changed or renewed.
- **Mechanically housing made of stainless steel, with revision openings**
- Complete unit with regenerative and liquid manure able pump, hoses and couplings.
- **Electrical switchgear cabinet with thermal engine monitoring.**
- **Leasing possible!**
- Tool-less quick-change by basket



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KKS Separator - Pressschneckenentwässerer

Substrate with output-TS	Biogas substrate (TS 5 – 12%)	Cattle manure (TS 6 - 9%)	Pig manure (TS 4 - 7%)
Deposition			
Total-N [%]		40 – 60 %	
Total-P [%]		70 – 85 %	
Total-K [%]		~ 50 %	
TS-salary after separation [%]	22 – 31 %	21 – 27%	20 – 26%



Liquid phase

- The volume of manure is reduced by 10-20% => lower stock volume + transport volume
- Extracted manure is little more swimming and sinking layers
- Odour reduction
- Lower nutrient concentration, therefore output amount per hectare higher than in raw liquid manure.
- Significantly lower liability on the plants, so less likelihood of Chemical and improved bottom host
- Longer and more frequent application period, as head fertilisation
- Substrate for hydrolysis stage



Solid phase

- Self composting, odourless and stackable.
- Thanks to the high solid content is a storage without any special precautions.
- Improving the soil structure and increase the humus share.
- When TS content of > 30% is a composting.
- Even outside of agricultural land use, where demand for education humus and nutrient needs.
- Easy and possibly transported to market.
- Possibly, Use as bedding for cattles

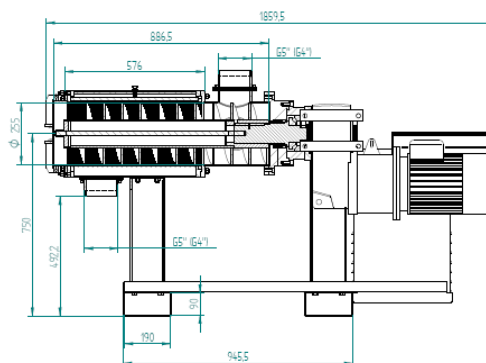


Figure KKS26, KKS31 may be slightly different!