



# KAISZER PUMP

WATER & WASTEWATER TREATMENT



## R-Screw Press

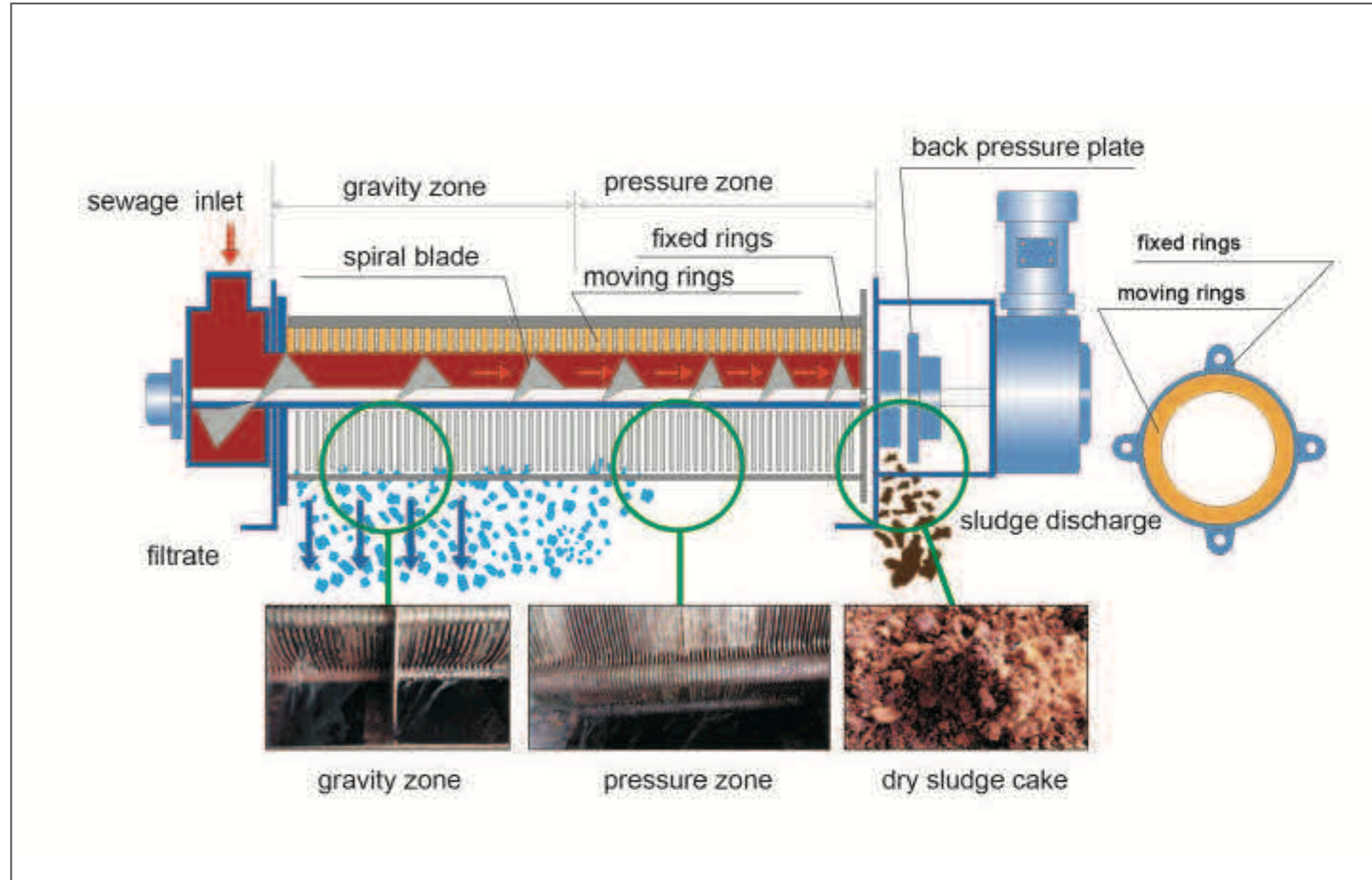


## About.

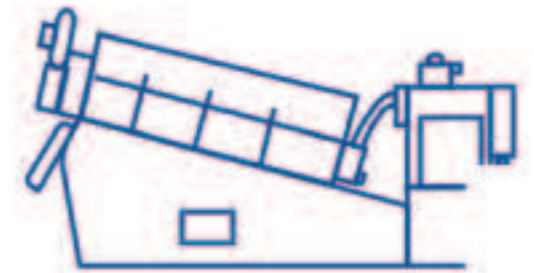
The conditioned sludge flows into the filter zones from the flocculation tank and is pushed forward to the discharging end. With the gaps between the thread of the shaft is getting even narrower, the pressure on the sludge is getting higher and higher. Then the water is separated from the sludge and flows out from the gaps between the moving rings and fixed rings. The movement of the moving rings will clean the gaps between moving and fixed rings and prevent the machine from blockage .. The filtered sludge cakes will be pushed forward by the shaft and finally discharged from the end.



How it works:



**Sludge Concentration 2000mg.1L-50000mg/L**



Configuring exclusive spiral plate for pre-concentration and better for treating low concentration sludge.

- I Replacing gravity type dehydrator te realize efficient concentration of sludge.
- I Flocculation and concentration operating together makes dewatering easy.
- I Optimize concentration of slurry for dewatering with solenoid control valve.

## I Rings substitute filter cloth, self cleaning, no clogging, easy treatment of oily

The traditional dewatering equipments are easily got blocked while the dewatering screw press allows continuous operation with no clogging due to the moving of the fixed rings and moving rings cleaning itself. Therefore, it's especially good at oily sludge with excellent performance. Moreover, it doesn't need additional water for high-pressure cleaning so that no smell or secondary pollution will be produced.

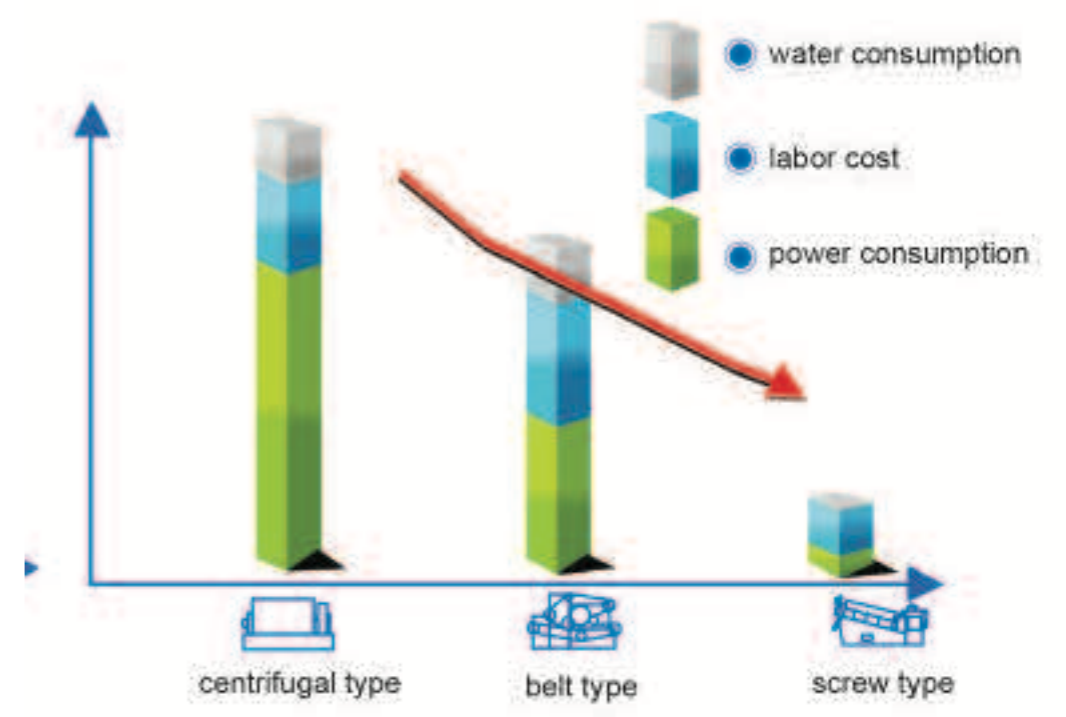
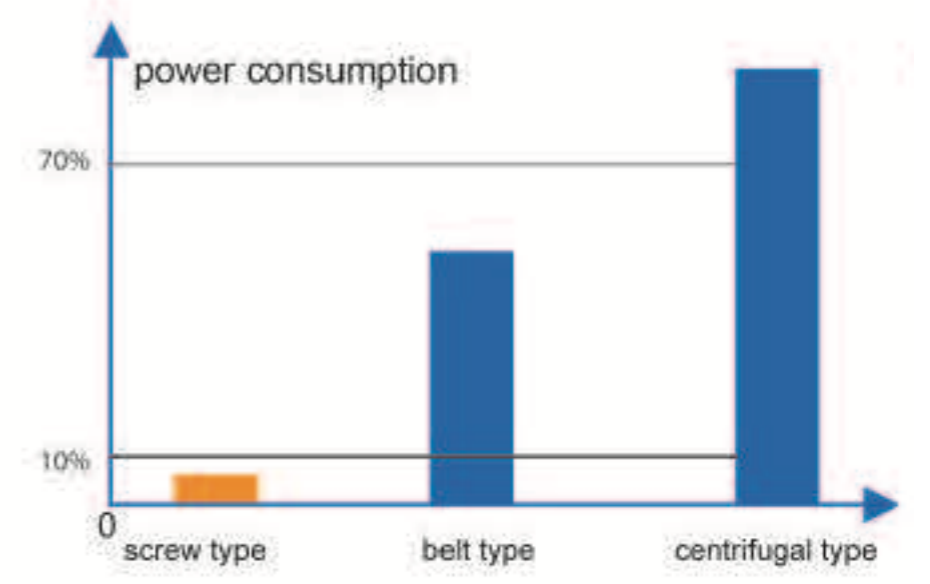
Rings substitutes filter clothes.



- Self cleaning.
- No clogging
- Easy treatment of greasy sludge

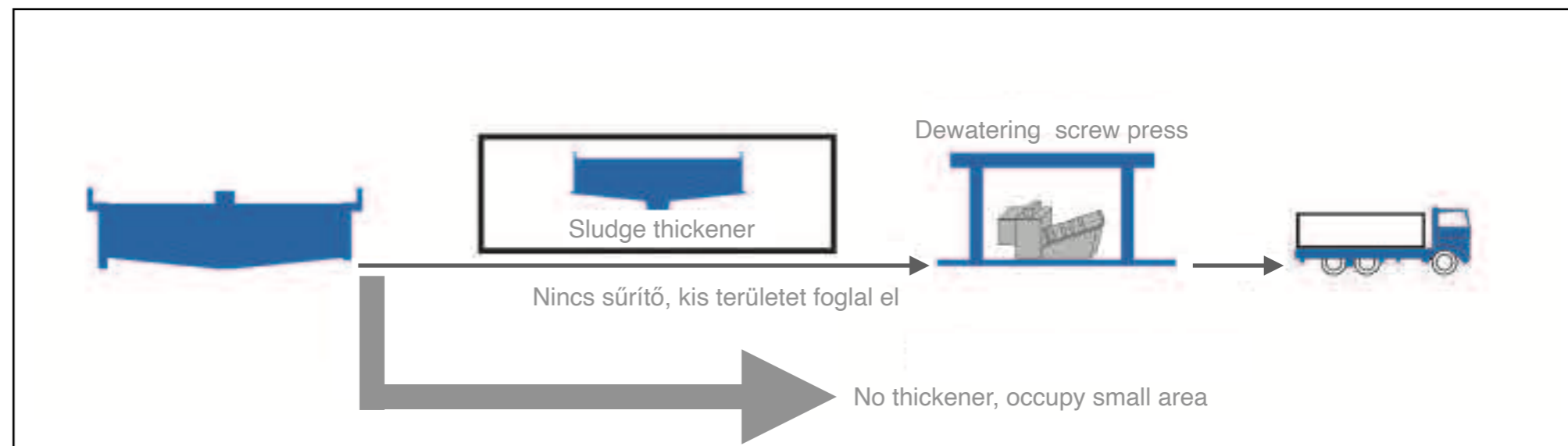


Low speed operation, low noise, low energy consumption, only 1/8 of the belt type, 1/20 of the centrifuge



## Reduce the cost of infrastructure investment, improve the results of treatment

The dewatering screw press can directly treat the sludge from the aeration tank and the sedimentation tank so that the sludge thickening tank is not needed any more. Therefore, the construction cost can be greatly reduced and well avoided the phosphorus releasing problem.

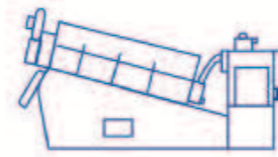


- Saving the cost of sludge thickening tank and other equipments investment.
- Occupy smaller area, reduce construction investment for dewatering.

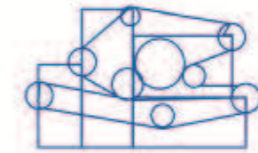


### Fully automatic control, easy operation and maintenance

The dewatering screw press has no easy-blocking components like filter cloth or filtration pore inside. Its operation is safe and easy. It also can be set to operate automatically via the elec-control cabinet .



24 hours of continuous automatic operating



Need manual operation



**Construction**

Main parts	
1.	Dewatering part
2.	Tank
3.	Mixer motor
4.	Meteringtank
5.	Level adjustment tube
6.	Discharge port
7.	Level switch
8.	control cabinet
9.	Valve
10.	Flushing device
11.	Filtrate tank

Connection list	
N-1	Filtrate outlet
N-2	Sludge inlet
N-3	Overflow outlet
N-4	Polymer inlet
N-5	Rinse water outlet
N-6	Sludge outlet

