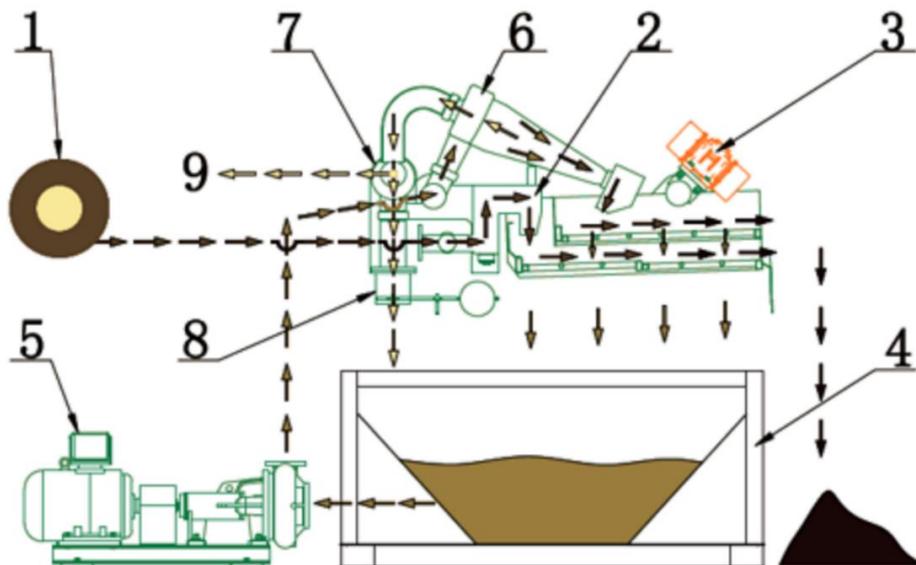


Functioning of the RecSys Pro Dirty water cleaner

The pump (1) sucks the washing water from the boxer crate washer. Through the dirty water import piece (2), the rinsing water is evenly distributed on the lowest sieve by the drainage vibrator (3), separating particles up to a size of +/- 200 microns. The rinsing water with smaller components runs in from the lowest sieve into the bunker tank (4). The pump (5) pumps the rinsing water with the fine components under pressure into the hydrocyclones (6), where the rinsing water is further separated from particles (+/- 25 microns). The separated particles leave the cyclones over the underside and from there they migrate over the top sieve of the drainage system and then leave the installation. The cleaned rinsing water comes over the top of the cyclones to the outlet (7), where there are now 2 possibilities: At low level (8) in the bunker tank (4) the rinsing water runs into this tank. At high level in the tank, the water runs in IBCs (9). This has the advantage that the washing system does not have to be switched on and off all the time if the water supply is too low. The capacity of this list is 20 m³ per hour (depending on the selected screens).

The power consumption (vibration motors and cyclone pump) is 5 kW.
The sieve capacity depends on the selected screens 99.5%.



The system has a very high filtration without additional filter cloths or flocculants, so that washing water recirculation is possible, because pesticides bind to dirt, in combination with high density of the vibrating sand, these are filtered out with the sand and dirt and disposed of.

In this way, wear by sand, the biofilm is also combated/broken. This has made it possible to withdraw control agents from circulation. This method also prevents waste water leakage during the washing of boxes, which means that groundwater no longer circulates, which causes a disturbance of the environment.

For further information please contact us.

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