



Three compacting technologies to meet every need



Spiral Press with trapdoor for back pressure



Compactor Press with hydraulic piston



Press washer with compacting screw and washing of screenings

AKIS offers solutions with a wide range of machines for the treatment of water and waste.

Spiral Press with trapdoor for back pressure (Dry substance 20% to 35%)

The Spiral Press compactor is a robust machine dewatering and compacting automatically the most diverse products in order to remove as much of the liquid they contain. A powerful spiral screw pushes the products into a press compartment where compression is used to extract the maximum amount of water and to reduce the volume.



The compressive force in the press compartment is adjustable by means of a spring.

This product can be used in different sectors. In waste water treatment and sewage treatment plants, the compactor is used for dewatering and compacting of the screenings. Depending on the application, the compactor is capable of handling materials of various kinds.

We offer different sizes of spiral press compactors depending on the volumes to be processed. This machine is very robust and has few wearing parts, which leads to reduced maintenance costs.

Compactor press with hydraulic piston (Dry substance approximately 30%)

The hydraulic piston compactor consists of a receiving compartment waste, a dewatering zone, a piston to perform the transport and compression of the waste in the reception and dewatering area and a hydraulic drive system.



A consistent volume reduction and an important increasing of the dry substance of the product can be obtained with this type of compactor.

The chassis, the hopper receiving the waste and the drain and transport pipe system are manufactured in stainless steel AISI 304 or 316. The diameter of the piston and the pipe is variable depending on the model and waste handling capacity.

This system is operated by an electric motor incorporated into a hydraulic power unit.

Wash Press Compactor« high pressure » (Dry Substance 35% to 60%)

The wash press compactor allows achieving a solids content ranging from 35% to 60%, while effectively eliminating organic matter through its integrated washing system. Washing and compacting the screenings reduces the volume and the weight through the elimination of organic particles, which can simultaneously reduce odors.



After washing, the waste consists mainly of paper and plastic, which ensures a high compacting performance and a decrease of the volume of waste. This decrease in the amount of waste with a high dryness reduces the cost of landfilling or incineration significantly. The wash press is fully enclosed and transports the washed screenings through the discharge pipe into a skip. The outlet can be equipped with an endless bagging system.



The performance and effectiveness of this compactor can increase a fast return on investment.



The waste reduction will eventually allow a smaller skip. The wash press compactor can be delivered with an automatic bagging system.