



**R&O**



## HYDRAULIC WASTE COMPACTOR

### OPERATING PRINCIPLE

The stand-out feature of the R&O waste press is the capability, with one single machine, to dewater, compact and convey waste from wastewater screening and sieving operations.

A network of closed tubes capable of changing direction vertically and horizontally is used to convey the compact waste out of the press; the process can be followed by a bagging system using plastic film or filter bags.

The press can be controlled in multiple ways:

- Either by controls independent from the operation of a screen or sieve
- Or by local control system via a timer or an ultrasonic sensor



### BENEFITS

- ✓ **Dryness up to 45% depending on the nature of the waste**
- ✓ **Volume reduction up to 70%**
- ✓ **Reduced transport costs**
- ✓ **Complex conveyance over long lengths**
- ✓ **Ultrasonic detection sensor**
- ✓ **Specific hopper**
- ✓ **Continuous bagging system**



## DESCRIPTION

The one-piece press body, generally cylindrical in shape, comprises:

- A loading and liquor draining chamber
- A compression chamber
- A piston driven by a dual-action hydraulic cylinder

## MAIN APPLICATIONS

- Three main functions
  - Dewater
  - Compacts
  - Conveys/transport horizontally and vertically
- The R&O press offers an elegant and efficient solution to the problem posed by storage and removal, prior to the landfilling (class 2, dryness > 30%) or incineration of waste.
- The R&O press dewater the waste under high pressure applied by a hydraulic cylinder.



## SPECIFICATIONS

Throughput: 300 - 15,000 l/h of waste

Working pressure: up to 180 bar

