

KD03

SHAFTLESS SCREW CONVEYOR AND COMPACTOR

The KD03 Shaftless Screw Conveyor & Compactor is a combined unit used for conveying and compaction of the waste and screenings.

It consists of the drainage area, normally placed in front of the loading hopper, which has the function of allowing the evacuation of the liquids contained in the input material. The transport area consists of a trough and a spiral without central shaft, and finally the compaction module, which allows a reduction in volume and weight of waste by over 50%, depending on the type of material transported.

The spiral is normally connected directly to the geared motor by a flanged shaft and is present a seal assembly to prevent leakage of liquids from the gear motor zone. The machine works in a range of inclination 5° - 35° , and on request can be installed a washing system in the transport zone in case of special executions.



The KD03 can be manufactured in Stainless Steel AISI304-316 (L), and it is fully customizable according to the customer needs, but anyways we offer a standard range which can help the customer in his final choice:

| Standard dimensions | | | |
|----------------------------|------------------|------------------|------------------|
| Model | KD 03-200 | KD 03-300 | KD 03-400 |
| Drainage length (mm) | 350 | 550 | 700 |
| Transport length (mm) | 1000 - 7000 | 1000 - 9000 | 2000 - 12000 |
| Compaction length (mm) | 500 | 700 | 930 |
| Inclination angle | 5° - 30° | 5° - 30° | 5° - 30° |
| Nominal flowrate (mc/h) | 2 | 5 | 8 |
| Motor power installed (kW) | 1,5 | 3 | 5 |



