

# Screw compactor



**AQUA AURA**  
Leading Technologies



**PSA**

**SHAFTLESS SCREW COMPACTOR**

# PSA – SHAFTLESS SCREW COMPACTOR

The shaftless screw compactor is a combined machine that allows 3 operations at once: draining, conveying, compacting.

It is composed by:

- Draining section
- Conveyor trough with U shape
- Compactor

The draining section of the SEFT's shaftless screw compactor is normally placed under, or immediately before the loading hopper, then the material is conveyed through the trough towards the compaction module, which allows a reduction of the volume up to 50%.

The machine is installed with an inclination from 5° to 30°.

## Advantages

- No mechanical parts in contact with the product
- Low maintenance and low initial investment
- Possibility of washing the grille that reduce of organic matter
- Machine totally locked that means no odors

## Accessories

- Inlet hopper for screening
- Supporting adjustable feet
- Screening bag-filling system ongoing
- Pneumatic compacting system kit

## MANUFACTURING FEATURES

|                                    |                                    |
|------------------------------------|------------------------------------|
| <i>Installed power</i>             | from 1,5 to 7,5 kW                 |
| <i>Inlet flow rate</i>             | from 2 to 13 m <sup>3</sup> /h     |
| <i>Conveying length</i>            | variable                           |
| <i>Compacting strength setting</i> | Counter weight or pneumatic system |



# PSA – SHAFTLESS SCREW COMPACTOR

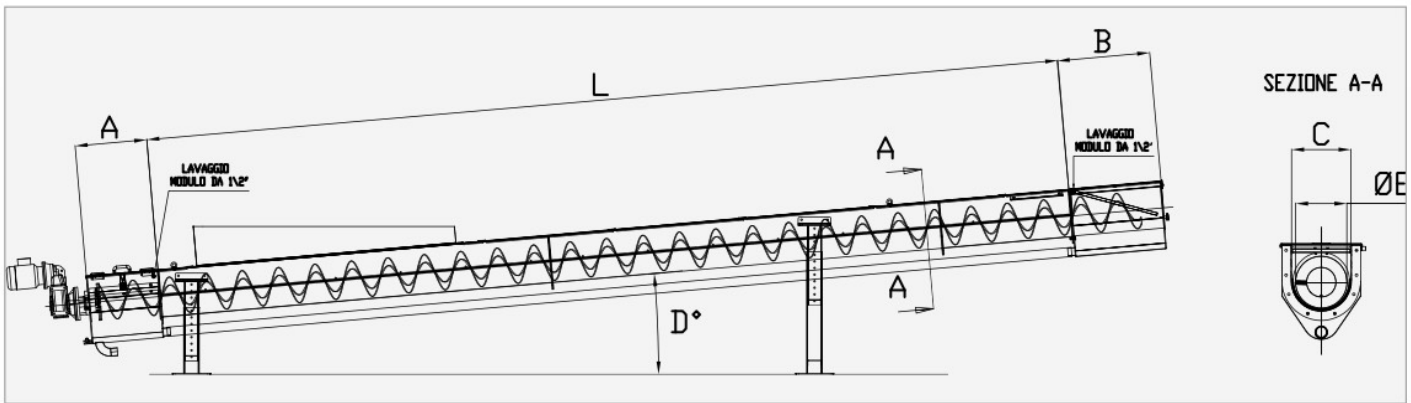
## Technical details

|        | A   | L range   | B   | C   | ∅E  | α       | kW  |
|--------|-----|-----------|-----|-----|-----|---------|-----|
|        | mm  | mm        | mm  | mm  | mm  | °       |     |
| PSA 20 | 350 | 500-12000 | 500 | 225 | 180 | 5°- 30° | 1,5 |
| PSA 30 | 550 | 500-12000 | 700 | 325 | 280 | 5°- 30° | 3   |
| PSA 40 | 550 | 500-12000 | 950 | 425 | 360 | 5°- 30° | 5,5 |
| PSA 50 | 700 | 500-12000 | 950 | 525 | 460 | 5°- 30° | 7,5 |

|        | FLOW RATE         |
|--------|-------------------|
|        | m <sup>3</sup> /h |
| PSA 20 | 2                 |
| PSA 30 | 5                 |
| PSA 40 | 8                 |
| PSA 50 | 13                |

Based on machine configuration, motor power could be different

Data here listed are calculated using clear water



# PSA - SHAFTLESS SCREW COMPACTOR

