



## Characteristics

Low shear through smooth discharge mechanism  
High separation effectiveness through Spiral Plate Technology  
Designed for 24/7 processing and includes remote monitoring  
Separates many types of solids (abrasive, non-permeable, soft, grease)

# Evodos type 25

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## Capacity

- The feed pump is operated from the PLC and can be run from 250 to 4.000 liters/hour.
- The unit can discharge up to 50 liters of compressed solids per hour.

## Dimensions

Dimensions of the unit, excluding the sub frame:

|        | Unit     | Box      |
|--------|----------|----------|
| Height | 2.179 mm | 2.560 mm |
| Width  | 1.208 mm | 1.570 mm |
| Length | 1.195 mm | 1.570 mm |
| Weight | 1.600 kg | 2.000 kg |

## Power requirements

- Evodos delivers units which are compliant to local voltage and frequency requirements.
- Standard power is 380V-480V, 50-60 Hz, 32A.
- Control voltage: 24 Volts DC.
- Drive motor: 5.5 kW (7.5 HP).

## Energy requirements

- Separation: 0.95 kWh per m<sup>3</sup>.
- Pump: 0.25 kWh per m<sup>3</sup>.
- Discharge: 0.2 kWh with a maximum of 5 discharges per hour.

## Security class

- IP55 and CE certification.

## Process fluids

- The equipment is a two-phase separator, and also available as a three-phase separator.
- The standard equipment can process fluids from 5°C to 45°C.  
Optional: Capable to process fluids up to 95°C.
- All fluid connections are 1" BSP.

## Feed pump

- The feedpump is a monotype pump.
- The pump discharge pressure is max 0.2 bar.
- The feed pump is placed externally.
- The feed pump is controlled from the control cabinet.
- The electrical wiring remains connected during transport, so it is "ready to go" upon arrival.

## Construction materials

- Wet surfaces: 316L Stainless steel.
- Other metal surfaces: 304L stainless steel.
- Drum construction: Wound carbon with 316L interior.
- Siemens PLC, integrated, touch screen operated.
- External contacts for automatic start / stop and alarm.
- All seals and gaskets are made of NBR. If NBR cannot be used because of the products specifications, please contact our sales department.

## Compressed air

- Pressurized air requirement: 6 bar.
- Air consumption: < 5 liter / hour.
- Connection: 1/4".

## Discharge

- The discharge method is electromechanical.
- The discharge time is 3 1/2 minutes.
- The discharged solids are compressed and almost free of process liquid.

## Solids disposal

- The compressed solids are disposed downwards to the bottom of the machine. Optionally, the solids can be transported on a third party supplied conveyor, dropped into a container or a bin or it can be pumped.

## Operations

- The process is PLC controlled.
- Remote monitoring functionality via internet.

## Delivery

The standard delivery includes:

- Evodos type 25 two-phase separator, e.g. water and solids, packed in crate.  
Optional: three-phase separator e.g. water, oil and solids.
- Feed pump, which is attached with a 3 meter cable to the Evodos dynamic settler.
- 90/90 SPT vane package.  
Optional: 60/120 SPT vane package.  
Optional: Lower G-force adjustment ring.
- Power cable, 9 meter.
- One set of wear parts.

## Optional delivery

- Air compressor.
- Sub frame to be placed under the Evodos.