

SAND WASHER ALPHA SWA

Sand Washer Alpha SWA separates, washes and dewaters sand from water. Street sand, filter sand and similar dry material can also be handled.

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The sand and water mixture is pumped or fed to the separation tank, where the sand is separated and sinks to the bottom. The next step is washing with mechanical treatment and
flushing. After washing, the screw conveyor spins, dewaters and discharges the sand. Excess water from intake and washing runs over a drainage edge at the top of the tank and is released. The organic material is released through the same outlet.

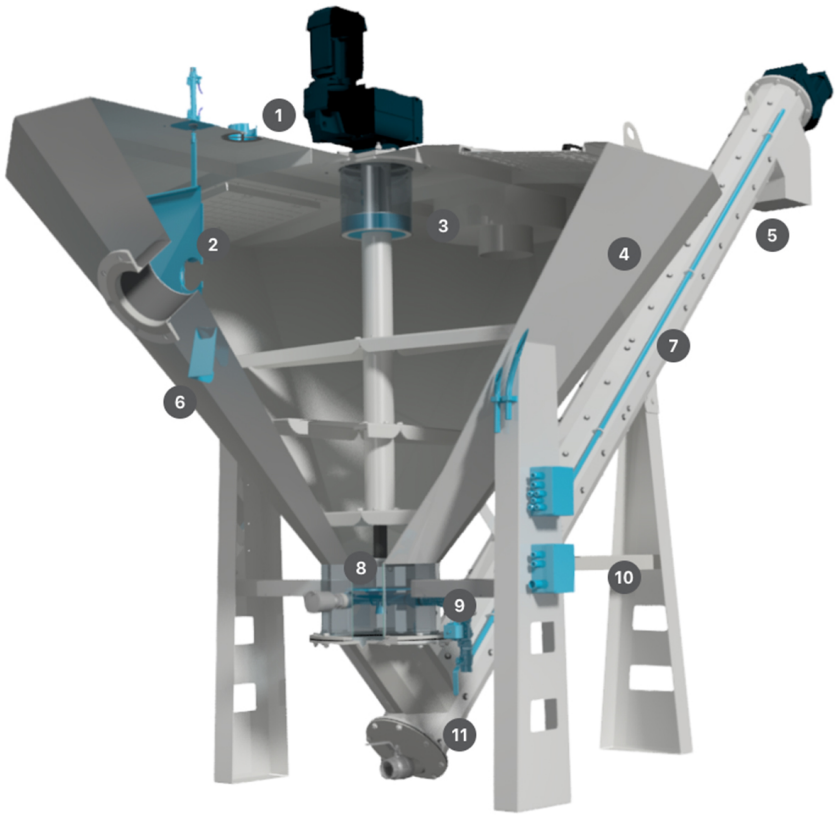
FUNCTIONS

- Several agitation solutions are available. For example, vibrator, agitator, air or water vortex cyclone.
- Several possible sand quantity measurement solutions. For example, pressure sensor, weight cell, mechanical sensor.
- Well-increased volume and surface enable use of “compact unit grit trap”.
- Also available in version for dry sand.
- Easily adjustable screw length and screw type, as well as inlet and outlet location.
- Raw materials in steel and the drive, screw and wear rails are made from strong high-quality material.
- Completely enclosed, safe and hygienic with easy-to-open inspection hatches.
- Adjustable support legs that simplify the installation.

SPECIFICATIONS

Discharge height	1,890-3,500 mm
Diameter	~1 400-3 000
Capacity	⊠30 l/s
Loss on ignition	1-3 %
Drive unit	SEW/Nord
Material	EN 1.4301, EN 1.4404

HYDRIA™ WATER



EXPLODED VIEW

1. Ventilation socket as a standard feature to control odours.
2. Internal overflow outlet where only one outlet valve is required.
3. Axial seal to minimise moisture transfer to engine and gears.
4. Hygienic exterior made of stainless steel for easy cleaning. Optional acid proof steel.
5.

HYDRIA™ WATER

Adaptable screw length and dispensing height.

6. Additional support points for safer handling and assembly.

7. Screw conveyors available in a range of different materials.

8. Inverted Denso – A unique geometric solution that guarantees that all sand, regardless of fraction size, passes the wash water without requiring additional moving parts.

9. Integrated pneumatic connection in case of stalling or jamming.

10. Market-leading components for level measuring, stirring and rinse water.

11. Check valve for rinse water is a standard feature aiming to reduce the long-term risk of leakage.