



# Sand Wash Classifier

## Description

02.06-B01



Sand Wash Classifier Type SWA/NE

### Function and working principle

Washing out organic parts, which stick to the grit, is performed inside the sand-washing unit. The sand that has settled inside the sand washer is mixed up by washing water and optional rinsing air feed so that the lighter organic parts are separated from the sand fraction and are discharged from the sand-washing unit together with the washing water. The washed sand falls down to the bottom into the sand collection area to be discharged via screw drive. During this process, the sand drains statically.

- ❑ Cyclone feed principle designed for certain operating points
- ❑ Designed either for wet charging directly from the grit chamber (Type SWA/NE) or for dry charging of pre-drained sand (Type SWA/TE)
- ❑ Throughput of 5 – 20 l/s for sand discharges of up to 1.0 t/h
- ❑ Separation rates up to 95% for grit size of 0.2 mm
- ❑ Glow loss  $\leq 3.0\%$

### Design and technical features

- ❑ Compact design in stainless steel, completely sealed, with easy-to-disassemble covers for revision purposes
- ❑ Washing tank with vertical mixing device, jet nozzles with washing water and optional supporting air injection
- ❑ Discharge screw in special steel running on strip rails, adjusted for the ejection of the classified sand into a container or for further treatment; Switching start signal from sand bed monitoring via density-measuring device



Sand Wash Classifier Type SWA/TE