



SAND UNITS

Designed to ensure
a liquid/solid
separation by
cycloning/dewatering

FIELD OF APPLICATION

The MS Sand Units typical applications are in :

- Gravel & concrete sand industries,

But they are also widely used in :

- The production of industrial sands,
- The desanding of bentonitic slurries used by TBMs,
- The treatment of polluted soils (rehabilitation of industrial sites, mineral pollutions, etc.).

MODULAR DESIGN

The MS range of Sand Units is built up by combining one of each of the following main components :

- 4 models of pumping tank,
- 6 sizes of sand pumps, WARMAN or equivalent, chosen for their resistance to abrasion, and their performance,
- 6 types of high performance cyclones designed to ensure a cut between 40 and 70 μm ,
- 8 types of vibrating dewaterer equipped with modular polyurethane panels with slotted openings.

SAFETY

The MS Sand Units comply with CE standards of personnel safety and ergonomics.

PERFORMANCE

- In general applications, an MS Sand Unit produces a 0-4 mm washed sand in accordance with applicable concrete sand standards.

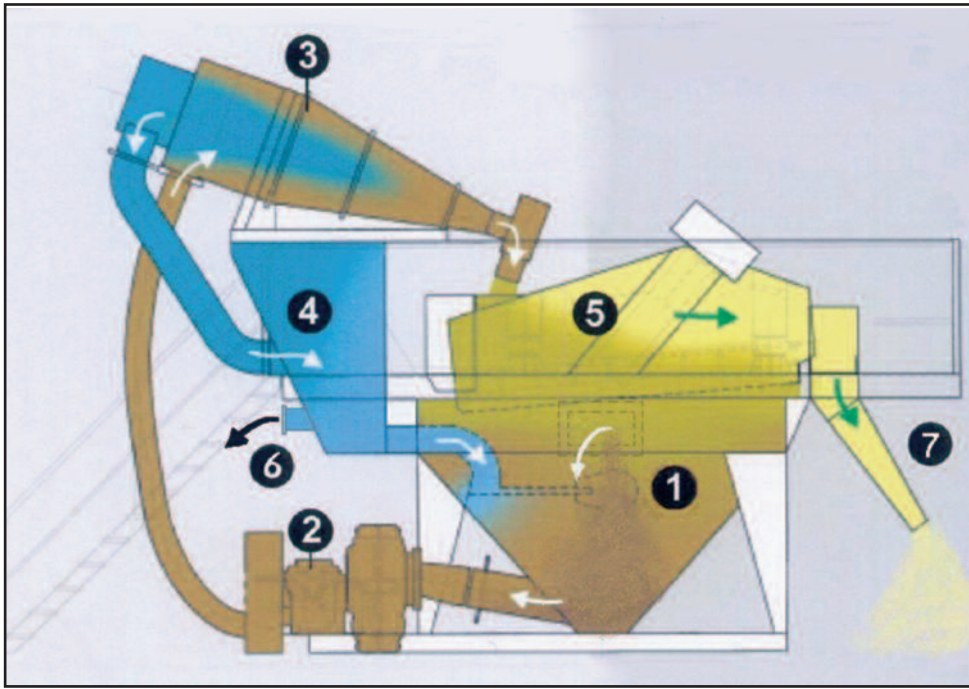
Depending on the unit size, the slurry flow can reach 1200 m³/h and produce up to 300 t/h of washed sand.

- In more demanding applications, e.g. where there is a high degree of pollution, or for specific productions or higher tonnages, MS is able to propose an individual solution corresponding to the customer's specific request by combining several Sand Units either in parallel or in series.

ANTI-ABRASION PROTECTION

- Special rubber lining of :
 - Pump parts,
 - Hydrocyclone inner parts,
 - Steelwork and steel parts subject to abrasion,
 - Discharge pipes,
- Dewaterer modular panels in polyurethane
- Choice of impeller and pump lining depends on the characteristics (crushed or natural, size..) of the sand to be processed and on the working conditions.





- 1 Feed to the pumping tank - level stabilisation by floating valve.
- 2 Sand pump, pipings and connections.
- 3 High performance cyclone, fitted on an inclined bed
- 4 Stabilisation box
- 5 Linear vibration dewaterer
- 6 Discharge of cycloned water
- 7 Discharge of dewatered sand

PRE-SELECTION CHART

- A - MS60x20
- B - MS100x40
- C - MS300x60
- D - MS300x100
- E - MS400x130
- F - MS500x150
- G - MS600x200
- H - MS800x250
- I - MS800x300
- J - MS1200x250
- K - MS1200x300

