

WTS20 Automated Chemical Dosing System

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The Osso WTS20 is a fully automated chemical dosing system designed to treat waters laden suspended solids which exhibit slow settling characteristics (clays and fine silts). When operated within the design parameters, the WTS20 can produce treated waters with Total Suspended Solids (TSS) of <math><50\text{mg/l}</math> and pH within pH6 to pH9.

In addition to removing slow settling solids, the treatment system is also fitted with an automated pH correction system.

The state-of-the-art chemical dosing system located within the footprint of the unit enables reagents to be dosed proportional to both infeed solids loading and flow, minimising the risks of overdosing or underdosing.

Discharge monitoring equipment measures water quality at the outlet of the system and the real time data can be viewed remotely via an online portal.

Benefits

- Fully automated TSS control
- Status overview on webpage and data logging
- SMS and email alarms
- High efficiency/footprint ratio
- Easy to transport, easy set up with minimal lifts

Scope of use

- Surface water runoff
- Groundwater treatment
- Drilling/Mining

Specifications

- Transport Size(L*W*H): 6.058*2.438*3.149 m
- Dry weight: ~8100kg
- Flow capacity up to 40m³/h
- Power supply 3phase 20kVA
- Inlet 4" / Outlet 6" (flange/bauer)
- Ground Bearing Pressure (empty): 50 kN/m²
- Ground Bearing Pressure (operational): 185 kN/m²

