



# FLOCCULANT DOSING UNIT RANGE

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#### Features:

- Stainless Steel Construction
- Sized to minimise flocculant consumption
- Fully automated control system
- Real time flocculant dosage controller

AGGREGATES RECYCLING INDUSTRIAL SANDS MINING WATER MANAGEMENT

### WASHING AS IT SHOULD BE

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# FLOCCULANT DOSING UNIT RANGE

- Containerised option provides additional space for wash plant and water management controls (model dependent)
- Optional fully lined and insulated 20 or 40 ft container.
- Integral heating and lighting.
- Site ready, pre-wired and preplumbed for faster installation.
- Lockable doors for additional site security.
- Mono dosing pump with stainless steel rotor and nitrile rubber stator.
- VSD control achieves accurate control flocculant dosing rate.
- Electronic flow meter



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- Stainless steel two or three tank construction provides clean, non-reactive surfaces for flocculant preparation.
- Tank mixers to insure a completely homogenous mixture is achieved.
- Sensors for automatic top up controls

Dosing control unit

- Real time flocculant dosing controller
- Monitors settlement rate in thickener to optomise flocculant consumption



#### **CONTAINER LAYOUT**

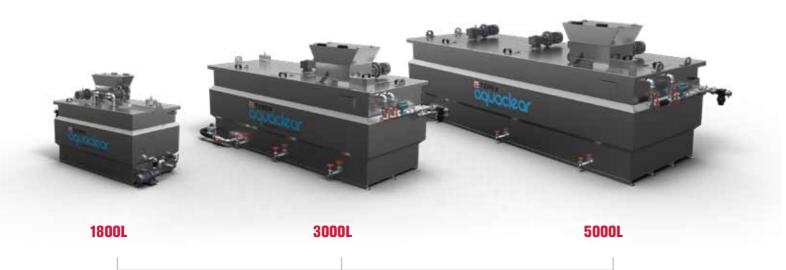
- Optional belt driven air compressor
- Provides compressed air for operation of pneumatic control valves
- PLC panel controls the floc preparation and dosing, automatic dosing system and opening and closing of thickener discharge valve.
- Intuitive HMI controls.
- Diagnostic mode.
  - Feed hopper provides storage for dry powdered flocculant.
  - VSD controlled feed auger for accurate dosing of powder.
  - Low level warning

Optional centrifugal booster pump and accumulator.

- Maintains required top up water flow rate and pressure.
- Electronic flow meter

## FLOCCULANT DOSING UNIT RANGE

### **TECHNICAL SPECIFICATION**

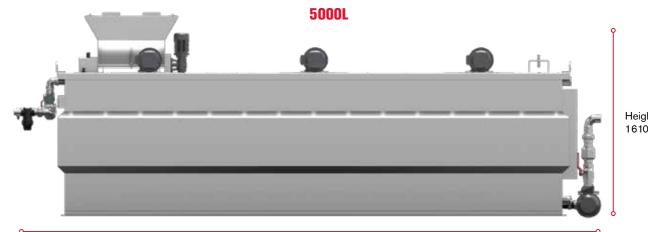


- Fully PLC controlled
- Ultrasonic tank level monitoring
- Full stainless-steel construction
- Low flocculant warning
- Flow meter
- Optional automatic dosing system
- Optional flocculant hopper heater

Machine Model	1800L	3000L	5000L
Tank Construction	2	3	3
Flocculant Hopper Volume	55 lt	75 lt	75 lt
Clean Water Requirement	0.25-1 m³/h	1-3 m³/h	3-5 m³/h
Flocculant Consumption	0.025-1 kg/h	0.1-3 kg/h	0.12-5 kg/h
Power Required	3 kW max	4 kW max	5 kW max

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Length: 4831 [190]

Machine Model	1800L	3000L	5000L
Capacity (Litres [US gal])	1800 [475]	3000 [790]	5000 [1320]
Length (mm [Inch])	2551 [100]	3699 [146]	4831 [190]
Width (mm [Inch])	1200 [47]	1164 [46]	1400 [55]
Height (mm [Inch])	1626 [64]	1610 [63]	1610 [63]
Auger motor (kW [hp])	0.25 [0.33]	0.25 [0.33]	0.25 [0.33]
Mixer motor (kW [hp])	0.75 [1.00]	0.75 [1.00] X 2	0.75 [1.00] X 3
Dosing pump (kW [hp])	0.75 [1.00]	1.1 [1.50]	1.5 [2.00]

Height: 1610 [63]



### WASHING AS IT SHOULD BE



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#### **TEREX WASHING SYSTEMS**

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