

FLOCCULANT DOSING UNIT RANGE




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 

FLOCCULANT DOSING UNIT RANGE

CONTAINER LAYOUT



- 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 pre-plumbed 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



- 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 optimise flocculant consumption



- 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

Model pictured: FDU5000

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TECHNICAL SPECIFICATION



1800L

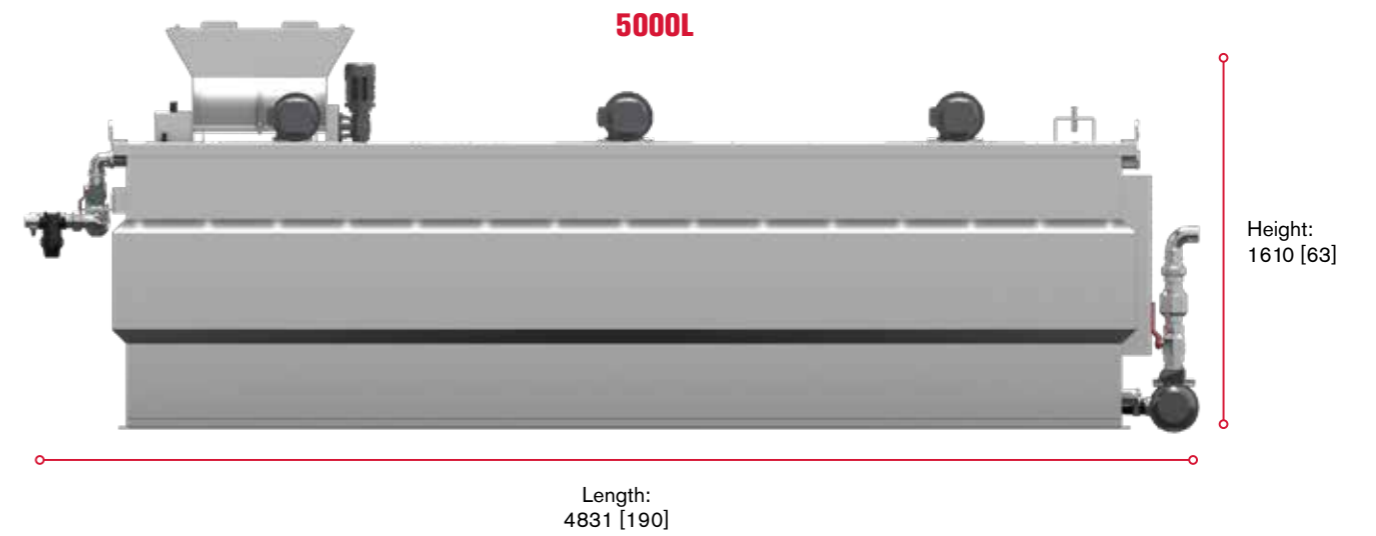
3000L

5000L

- 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 m ³ /h	1-3 m ³ /h	3-5 m ³ /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

DIMENSIONS



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]



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www.youtube.com/terexwashingsystems



TEREX WASHING SYSTEMS

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