

# DEEP CONE THICKENER

## DC100 with Floc Dosing Unit 1800L



### Features:

- Heavy Duty Steel Construction
- Zero Moving Parts
- Modular Construction
- Flow Diffuser
- Clean Water Weir
- Ladder & Inspection Platform
- Pressurised Water Flush Out System
- Sludge discharges under gravity (no pump required)

AGGREGATES



RECYCLING



INDUSTRIAL SANDS



MINING



WATER MANAGEMENT



# DEEP CONE THICKENER

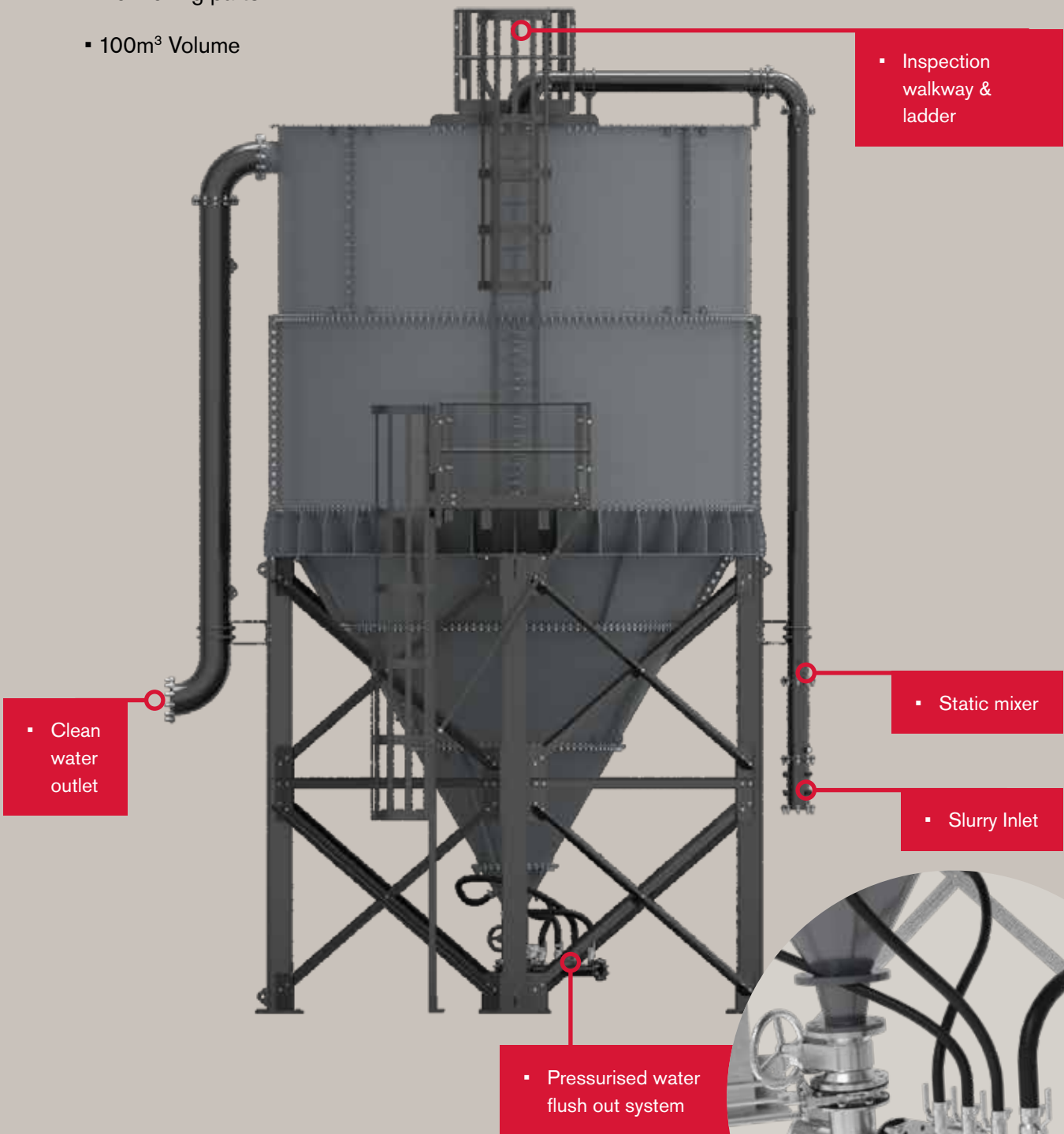
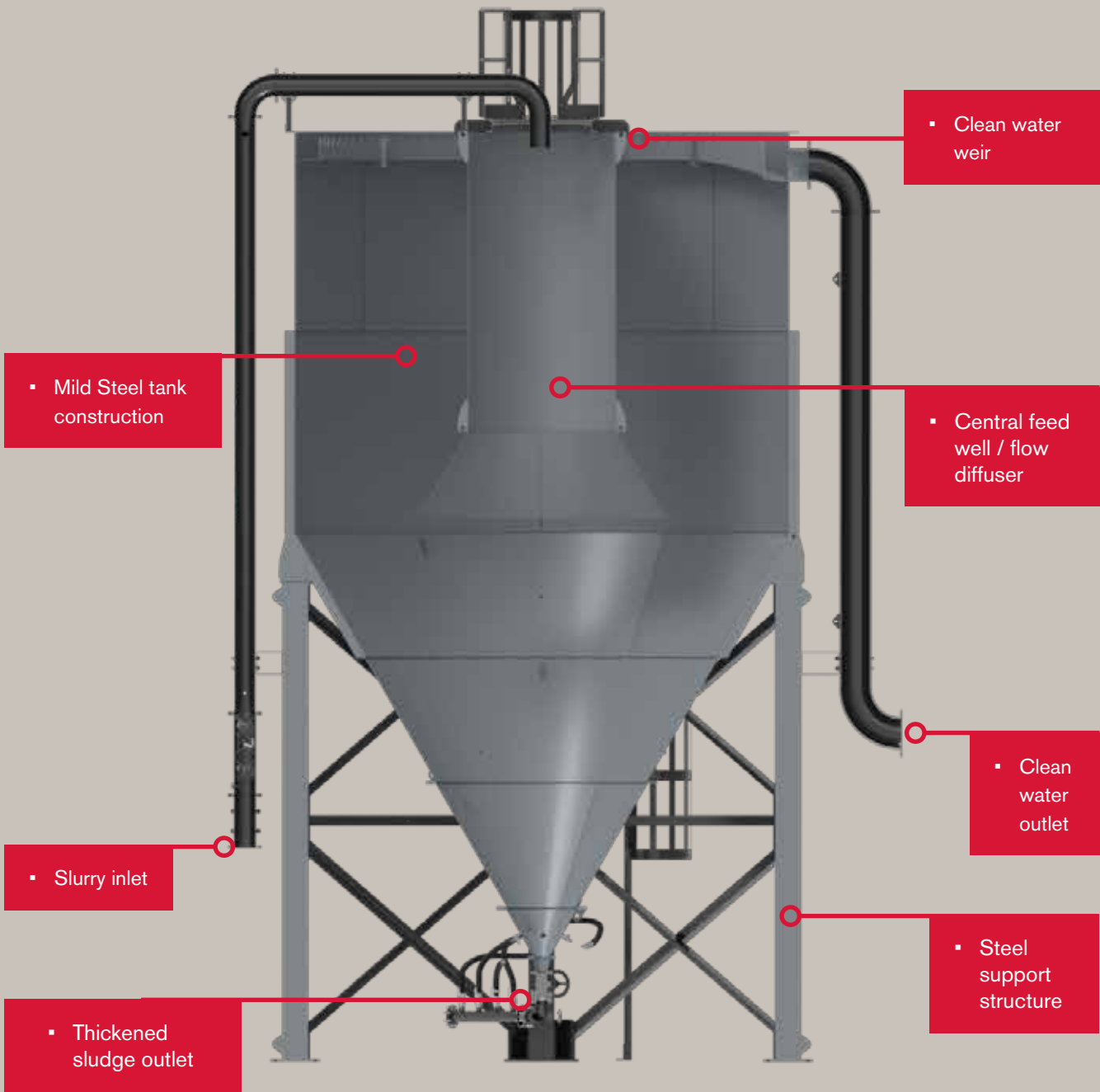
## DC100 with Floc Dosing Unit 1800L

### OVERVIEW

Terex deep cone thickeners are designed and constructed to give optimum performance and reliability in even the toughest applications. The deep cone provides a smaller footprint than a rake style thickener saving space on site.

The thickened sludge underflow can reach solids content of over 50%. With no moving parts there is minimal servicing requirement.

- Heavy duty frame construction
- Smaller footprint than rake style thickener
- Sludge discharges under gravity (no pump required)
- Thicker sludge (over 50% solids)
- No moving parts
- 100m<sup>3</sup> Volume



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### TECHNICAL SPECIFICATION

#### DC100



- Tank and cone - painted mild steel construction
- Legs and frame – painted mild steel construction
- Two stage ladder and inspection walkway - painted mild steel construction
- Modular panel assembly
- Central feed well with flow diffuser
- 1 x Silo feed pipe with flange DN200 (8")
- 1 x Clean water outlet pipe with flange DN300 (12")
- 1 x Sludge outlet flange DN100 (4")
- 1 x Manual gate valve DN100 (4")
- 1 x Auto pneumatic Knife Gate valve DN100 (4")
- 1 x Auto pneumatic Butterfly valve DN100 (4")
- 4 x Clean out ports DN25 (1")
- 4 x Manual ball valves DN 25 (1")
- 1 x Port for Hydrostatic level sensor DN25 (1")
- Dosing System, Electrical control Panel with Automation
- Ease of operation by Automation System
- Flexibility of operation by having high Sludge holding capacity.

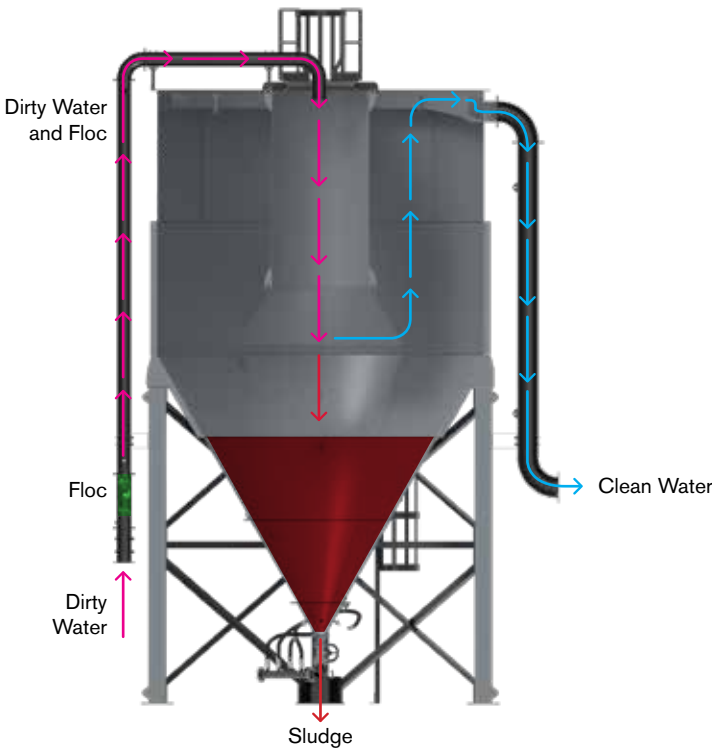
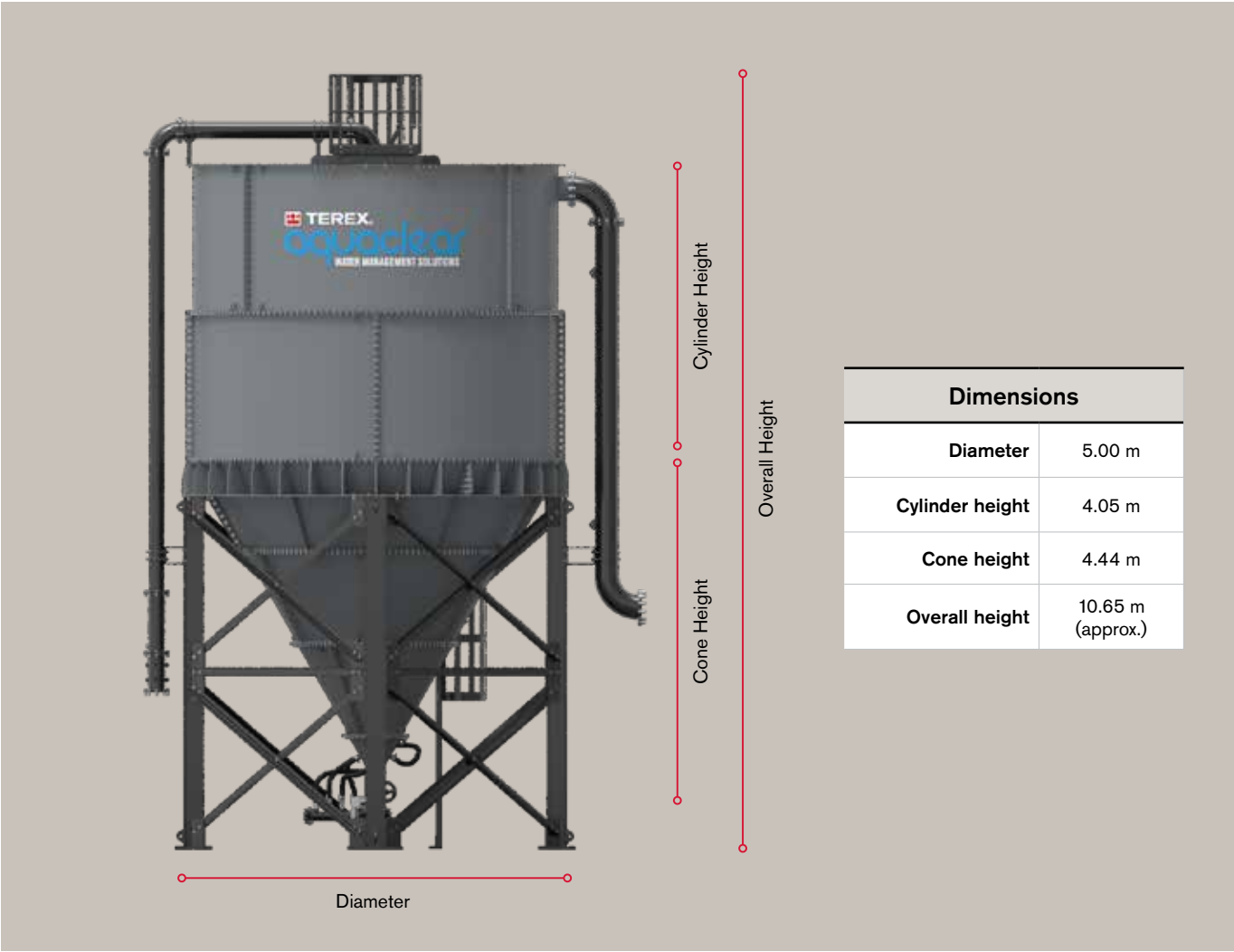
#### Floc Dosing Unit 1800L



- 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
Tank Construction	2
Flocculant Hopper Volume	55 lt
Clean Water Requirement	0.25-1 m³/h
Flocculant Consumption	0.025-1 kg/h
Power Required	3 kW max
Dimensions	
Capacity (Litres [US gal])	1800 [475]
Length (mm [Inch])	2551 [100]
Width (mm [Inch])	1200 [47]
Height (mm [Inch])	1626 [64]
Auger motor (kW [hp])	0.25 [0.33]
Mixer motor (kW [hp])	0.75 [1.00]
Dosing pump (kW [hp])	0.75 [1.00]

### DIMENSIONS





# DEEP CONE THICKENER DC100 with Floc Dosing Unit 1800L





**WASHING AS IT SHOULD BE**



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## **TEREX WASHING SYSTEMS**

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