



TEREX®

aquaclear
WATER MANAGEMENT SOLUTIONS



LET US CLARIFY...

AGGREGATES RECYCLING INDUSTRIAL SANDS MINING WATER MANAGEMENT



TEREX®

WASHING SYSTEMS

WASHING AS IT SHOULD BE

WATER TREATMENT & MANAGEMENT

Terex Washing Systems offers a complete tailored solution for water treatment and management, including a full range of filter presses, flocculant dosing systems and thickening tanks. Combined this equipment can remove the need for settling ponds.

It is critical that systems are selected appropriate to your specific materials, as requirements can be refined according to your specific needs. This includes qualified sampling and testing to ensure complete peace of mind for performance and the ability to handle inevitable feed variations.

Intelligent automation is common throughout our equipment range and this is particularly relevant to water management systems. The majority of our systems include fully automated control and adjustment of the flocculant dose, according to the amount of suspended solids and settlement time required. This ensures maximum performance even with highly variable feed materials such as recycled sources and eliminates any risk of over-dosage.

Our wide choice of thickener models and formats ensures you are offered the best solution for your individual needs, all with low operational cost and maximum dewatering in mind. Following the thickener you have a choice of filter presses, again depending upon your individual material characteristics and performance needs.



TEREX AQUACLEAR FILTER PRESS

The Terex AquaClear side beam Filter Press is a high performance plate and frame filter press designed specifically for demanding aggregate, mining and recycling applications. The heavy duty construction and high pressure slurry pump technology and optimized hydraulic system ensures maximum performance and reliability, giving dryer cakes, higher production and faster cycle times. Pneumatically operated plate shakers are fitted as standard to aid removal of sticky cakes. The press also features stainless steel sliding doors for addition protection.

FEATURES AND BENEFITS

- 100% Automated
- Touch Screen Control
- High Quality Filter Plates
- Stainless Steel Guarding
- Heavy duty frame construction
- High pressure design for drier cakes
- Electrohydraulic opening and closing system
- Various plate sizes and chamber configurations
- Fast cycle times
- Pneumatic shakers to aid cake removal
- Core blow out and wash out system



KEY FEATURES & BENEFITS



- Polypropylene filter plates
- Various Plate size 1000 – 2000mm
- Quantity of plates 45 - 195
- High performance mono nylon filter
- Stainless steel sliding doors
- Optimized hydraulic rams for opening and closing the press
- Electrohydraulic power pack for quiet and fast operation
- Pneumatic Shaker rams to aid cake removal
- Heavy duty support frame
- Side beams tubular section construction
- Machined and laser aligned for straightness



High quality mono nylon 6.6 cloth, with excellent cake release and abrasion resistance for long service life.



Picture showing open filtrate system, Terex Aquaclear filter press also available in closed filtrate configuration.



High performance and reliability gives clean water filtrate which can be reutilized in your wash plant.



High pressure design leads to faster cycle times and dryer filter cakes which are more easily handled.

TEREX AQUACLEAR DEEP CONE THICKENER

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 reduced maintenance requirement and cost of operation.

FEATURES AND BENEFITS

- Heavy duty frame construction
- Smaller footprint than rake style thickener
- Thicker sludge (over 50% solids)
- No moving parts reduces maintenance
- Tanks also available in stainless steel



TEREX AQUACLEAR FLOCCULANT DOSING UNIT

The Aquaclear flocculant dosing system is designed to reduce flocculant consumption with high quality engineered components that optimise the mixing and dosing of the flocculant. The addition of real time dosage controller will reduce consumption even further. Automated controls reduces operator interaction time.

FEATURES AND BENEFITS

- Dry or emulsion polymer system
- System sized to decrease flocculant consumption.
- Automated controls
- Real time flocculant dosage controller. Reduces flocculant consumption by up to 30%



TEREX WASHING SYSTEMS CONTACT DETAILS

Farlough Site

32 Farlough Road,
Dungannon,
Northern Ireland,
BT71 4DT

Tel: +44(0) 28 8771 8500

Email: TWS.sales@terex.com

www.terex.com/washing

YouTube

Check out Terex Washing Systems videos
on YouTube: www.youtube.com/terexwashingsystems



www.facebook.com/TerexCorporation

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