

# FACT SHEET

## SLUDGE DEWATERING PLATE FILTER PRESS



**Clearmake**®

WATER TREATMENT & RECYCLING SOLUTIONS

### PURPOSE

A Clearmake plate filter press dewateres sludge, increasing the dry solids content and producing a very dry spadable solids cake. Normally incorporated into a water treatment or recycling system, a filter press delivers two benefits: maximises the amount of water recovered from the sludge, increasing overall system efficiency while significantly reducing the volume of sludge and/or solids requiring offsite disposal (minimising disposal costs).



### APPLICATIONS

All industrial applications needing a solution for sludge dewatering and those looking to reduce waste sludge disposal costs. Examples include:

- Water treatment and recycling
- Petroleum chemistry
- Metallurgy
- Coal washing
- Dyeing
- Pharmaceuticals

### SPECIFICATIONS

#### Treatment Rates

- A Clearmake plate filter press can manage a flow of less than 250L per day to more than 250,000L per day.

#### Features

- Batch processing
- Very high percentage dry solids cake produced compared to other types of dewatering equipment
- Cleaner and easier to operate than traditional parallel belt presses
- Relatively few moving parts

#### Construction

- A Clearmake filter press is custom designed and manufactured to suit your particular application. The frame of the filter press is typically constructed from coated mild steel with stainless steel options available for longer life in corrosive environments. The filter press plates are manufactured from acid and alkaline resistant polypropylene.

#### Control Systems

- All plate filter press control systems are custom designed so can be manual, semi or fully automated to minimise operator involvement and ensure reliable, high quality results. Systems can also be designed and manufactured to comply with the intrinsically safe requirements of hazardous areas.



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