

FACT SHEET

SLUDGE DEWATERING V-BELT FILTER PRESS



PURPOSE

A Clearmake V belt filter press dewateres sludge, increasing the dry solids content and producing a spadable solids cake. Normally incorporated into a water treatment or recycling system, a V belt 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 and commercial applications needing a solution for sludge dewatering and those looking to reduce waste sludge disposal costs. Examples include:

- Water treatment and recycling
- Wastewater treatment
- Food and beverage manufacturing
- Wineries
- Paper and cardboard manufacturing

SPECIFICATIONS

Treatment Rates

Two treatment rates are available:

- Up to 1,500 L/h (approximately 18 kg dry solids per hour)
- Up to 2,500 L/h (approximately 30kg dry solids per hour)

Features

- Continuous flow
- Cleaner and easier to operate than traditional belt presses
- Relatively few moving parts
- High durability belt
- Automated polymer dosing available as an option
- Able to be mounted on a skid or on a road registered trailer
- Australian made

Construction

- The V belt press is fabricated from grade 316 stainless steel and is suited to corrosive environments. The rollers use 316 stainless steel shafts and nitrile rubber coating. Coating can be changed to suit applications. The belt is made of polyester.

Control Systems

- Manual – Very basic controls provided. Allows the unit to be “stand-alone” suitable for manual control.
- Automated – Fitted with Allan Bradley PLC equipment, the automation controls slurry depth, belt speed, belt wash and can be interconnected with other ancillary items, making the system largely self-sufficient with the exception of basic maintenance.

