V-FOLD
Folding Belt Filter Press

Simple Design
Forgiving Nature
Easily Operated
Easily Maintained
Built to Last
Cost Effective

Slurry Dewatering Made Simple
www.vfoldinc.com
V-FOLD Folding Belt Filter Press

The V-FOLD Folding Belt Filter Press is a simple way to continuously dewater slurries. The patented design is forgiving of many process upsets that cause problems for other filters. Its unique design gives the V-FOLD filter some unusual advantages:

**Forgiving Nature**
- Easy to operate
- Easy to maintain
- Easy to install
- Compact

**Easy Automation**
- Slurry feeding is unusually simple to automate. An optional “automation package” uses ultrasonic level sensing to measure sludge level in the feed cavity and automatically controls the feed rate. Prevents slurry overflows and “unattended” operation can be a real option in many applications.

**Self-Tracking Belt**
- The combination of horizontal and vertical rollers makes the filter belt “self-tracking.” No special tracking devices are needed on the V-FOLD.

**Simple Installation**
- V-FOLDS are available with factory fitted control options from “bare” models for site electrical wiring and control, to “dewatering system control automation” models. A small footprint (from 3ft x 10ft.) and optional factory mounting of many ancillaries to the filter frame make it simple to install.

**Cost Effective**
- The simple design, 316 stainless steel frame and slow moving belt make a reliable filter with little maintenance or operating labour needed. Power requirement is so low the filter drive can run on single phase power.

**Performance**
- Like all dewatering devices, performance depends on the feed. V-FOLDS are operating on slurries from approximately 1% DS to 10% DS and have feed rates up to 800 gallons/hour.

How it Works:

The V-FOLD is like a conveyor with filter fabric as the belt. It differs from other belt presses by using a single belt made from conventional filter fabrics with a reinforced centre-line. As it moves slowly forward the belt folds along the centre to form a “V-shaped” cavity that can hold feed slurry.

Initial dewatering is by gravity draining in the feed cavity. Sludge is then trapped between the sides of the belt and squeezed as it passes around a series of vertical rollers where pressure and shear form a filter cake.
V-FOLD Folding Belt Filter Press

“Overall sludge disposal costs reduced by more than 75% and the system paid for itself in less than a year.”

Typical Dewatering Applications

- Municipal sewage treatment
- Winery wastewater
- Abattoir wastewater
- Food manufacturing wastewater
- Tannery wastewater
- Metal finishing wastewater
- Cardboard & Printing wastewater
- Many others

“The V-FOLD is a great piece of equipment... very tolerant of slurry quality.”

Mobile dewatering packages are available

www.vfoldinc.com