



DeWater® DBP

Belt Filter Press

PEWE Innovative Quality

The unique technology built into each **DeWater® DBP belt filter press** system is designed to maximize solids recovery while minimizing chemistry usage. Selection of the appropriate belt press system depends upon the sludge solids characteristics encountered.

PEWE products and systems are designed in-house and produced under tight quality control. Support services are provided for product life.

PEWE offers products worldwide to the food, petrochemical, pharma, metal, electronic, and other industries along with the municipal market.



DeWater® System DBP Advantages

Twin Gravity DeWatering Zones-

- Improve efficiency prior to solids entering wedge zone.
- Produce a drier high solids cake.

Graduated Pressure Process-

- Solids enter wedge under low pressure and meet increasing final high pressure.
- Maximizes shearing force with steadily increasing compression.

High Tech Coated Roller Assembly-

- Anti-abrasion non-corroding roller surface improves static friction between the rollers and belts.
- Perforated rollers increase moisture removal.

Adjustable Air Glide™ System-

- Unique air cushion belt tensioner applies seamless pressure on each belt extending their service life.
- Variable frequency drive allows maximum operation flexibility.

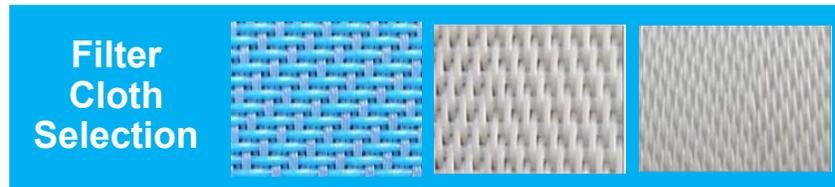


DeWater® System DBP Design

DeWater® System DBP's come with an array of belt options to meet your specific solids requirements. Each belt filter press has a wide solids loading range and can accommodate future plant process changes, higher throughput, or cake dryness requirements. **DeWater®** System DBPs are designed in a range of sizes suitable for process applications both large and small.

DeWater® System DBP Construction

PEWE utilizes stainless steel welded frame construction components which enable the application of high pressure for maximizing dewatering. This allows any given press to form high cake solids. Each **DeWater®** System DBP operates by precise control of an automated panel. **DeWater®** Systems DBP are designed for durability and longevity. **PEWE** puts it all together in an easy to clean and maintain dewatering package solution.



Filter Cloth Selection

DeWater® Systems DBP Model Sizes

Model Unit	Belt Width	Capacity (m3 /hr)	Dimensions
DBP-705	0.5 meter belt	0.5 meter belt	4.7W x 12.5L x 7.0H
DBP-710	1.0 meter belt	1.0 meter belt	6.3W x 12.7L x 7.3H
DBP-715	1.5 meter belt	1.5 meter belt	7.4W x 13.0L x 8.5H
DBP-720	2.0 meter belt	2.0 meter belt	9.0W x 13.0L x 8.5H
DBP-725	2.5 meter belt	2.5 meter belt	10.5W x 16.0L x 9.5H
DBP-730	3.0 meter belt	3.0 meter belt	12.1W x 16.0L x 9.5H

DeWater® Features

- Large Filtration Capacities
- Maximize Performance
- Sustainable Solids Feed Rates
- High Solids Capture
- Compact Footprint
- Triple Belt Wash
- Ease of Maintenance
- Stainless Steel Frame
- Choice of Bearings
- Consistent Tension

Model	Wire Diameter	Thickness (MM)	Tensile strength (kgf/cm)	Density	Air Permeability (m3/m3h)	Applications
FC-501	Warp 0.5 Weft 0.8	1.85	Warp 200 Weft 20	Warp 60 Weft 20	8,000	General sludge food industry, Slaughter house
FC-502	Warp 0.5 Weft 1.0	2.00	Warp 200 Weft 190	Warp 40 Weft 14	13,000	Industrial sludge
FC-503	Warp 0.5 Weft 0.8	1.90	Warp 200 Weft 150	Warp 64 Weft 20	9,000	Industrial sludge
FC-504	Warp 0.7 Weft 0.9	2.80	Warp 200 Weft 150	Warp 50 Weft 15	18,000	Mining, Cement, Extraction sludge
FC-505	Warp 0.5 Weft 0.7	1.90	Warp 200 Weft 150	Warp 60 Weft 20	7,000	Municipal wastewater treatment plant

