

FPD CAPACITY TABLE

(with standard gravity table)

MODEL	FPD 11	FPD 16	FPD 21	FPD 26	FPD 31
Belt width mm	1100	1600	2100	2600	3100
Effective filtrate area m ²	12.5	18.0	25.5	30.0	36.0
Sludge flow m ³ /h	5-20	10-40	20-60	35-80	50-100
DS capacity kg DS/h	150-450	300-600	450-100	700-1500	900-2000

FPD DIMENSION TABLE

(with standard gravity table)

MODEL	FPD 11	FPD 16	FPD 21	FPD 26	FPD 31
Length mm	3400	3400	3400	3400	3400
Width mm	1910	2410	2950	3450	3950
Height mm	2130	2130	2130	2130	2130
Weight kg	2200	2900	4000	4400	5000
Power kW	1.12	1.12	2.05	2.05	2.05

BTN/FP CAPACITY TABLE

(with extended gravity table)

MODEL	BTN 1035	BTN 1535	BTN 2035	BTN 2535	BTN 3035
	FP 11	FP 16	FP 21	FP 26	FP 31
Belt width mm	1100	1600	2100	2600	3100
Effective filtrate area m ²	14	21	28	35	42
Sludge flow m ³ /h	20-30	20-60	40-100	60-150	80-200
DS capacity kg DS/h	150-450	300-600	450-1000	700-1500	900-2000

BTN/FP DIMENSION TABLE

(with extended gravity table)

MODEL	BTN 1035	BTN 1535	BTN 2035	BTN 2535	BTN 3035
	FP 11	FP 16	FP 21	FP 26	FP 31
Length mm	5300	5300	5300	5300	5300
Width mm	1950	2450	2950	3450	3950
Height mm	2300	2300	2300	2300	2300
Weight kg	2400	3200	4300	4800	5500
Power kW	1.85	1.85	3.0	3.0	4.4

DEWACO has the rights to modify these specifications

NOTE : The dimensions are given without filtrate tray and mounting bed

Advantages

- The largest available filtration areas for optimum throughput and dry solids
- High flexibility relating to feed concentration and throughput
- Easy to modify to suit any application
- Low operating cost (flocculent, energy, water)
- Closed construction, no separate odour cabin required
- Continuous, fully automated operation
- High dry solids contents, thus low cost for disposal
- Compact configuration, thus low space requirements
- Low requirements for spare parts and expandable parts
- Customer Satisfaction Guaranteed



FPD Multi Stage Belt Filter Press

Over 25 years experience in Sludge Treatment Technology

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Revolutionary Design

DEWA FPD multi-stage series sludge dewaterer is a combination of BTN (heavy duty belt thickener) and FP(belt filter press), designed for the most demanding and large capacity applications. The FPD multi-stage dewaterer is easy to modify according to characteristics of the sludge as well as throughput and cake solids requirements.

The FPD is provided with pneumatic belt tracking and tensioning. This flexible and sophisticated system prevents unnecessary belt wear from wrinkling and maintains belt tension at a constant preset level as the thickness of sludge cake varies.

Easy access to every component

All electrical, pneumatic components and bearings are located outside of the plate frame which makes easier to maintain without interrupting the unit operation.

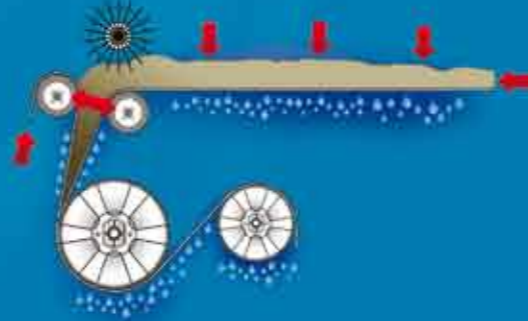
Optional configurations:

DEWA FPD is available with various configurations i.e. filtrate recycling system, manual / automatic brush pipe, inline polymer injection, sludge level probes, hydraulic type belt tracking and tensioning system and local PLC control panel suitable for Auto/Manual operation with provision for interlocking with accessories.

DEWACO is a resource for both industrial and municipal applications, assisting in the design, manufacturing and installation of complete sludge dewatering and sludge removal systems. DEWACO successfully facilitates clients by providing them with technically proficient, cost-effective solutions. With decades of experience and technical expertise, DEWACO understands what technology is appropriate to each and individual application. From individual components to complete sludge treatment systems, DEWACO is committed to serve you with unparalleled support and uncompromising quality.

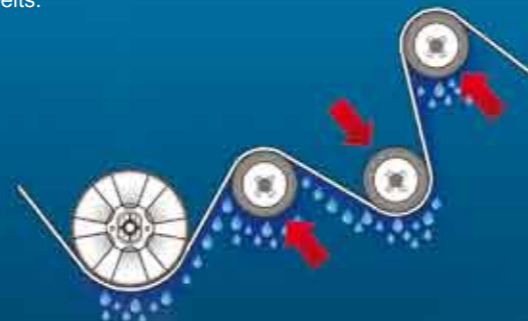
1. Gravity zone

An extra large gravity zone provides effective thickening even at high flow rates. A specially designed ploughs enable to open and turn the sludge mat and allow penetrating excess water from the gravity zone. Transverse support beams, which are located underneath the filter cloth, provide a slight downward pressure for improved water removal and prevent formation of surface tension.



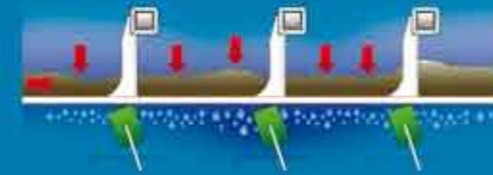
2. Wedge and low-pressure dewatering zones

Wedge dewatering zone uses the gravitation force to reduce the volume of the sludge in preparing for pressing. Transverse support beams, which are located underneath the filter cloth, provide a slight downward pressure for improved water removal and prevent formation of surface tension. In the low-pressure zone, the sludge is passing through large perforated drum (s), specially drilled roll that aids filtrate removal. In addition, sludge is directed to liner pressure as it is conveyed in between the upper and lower belts.



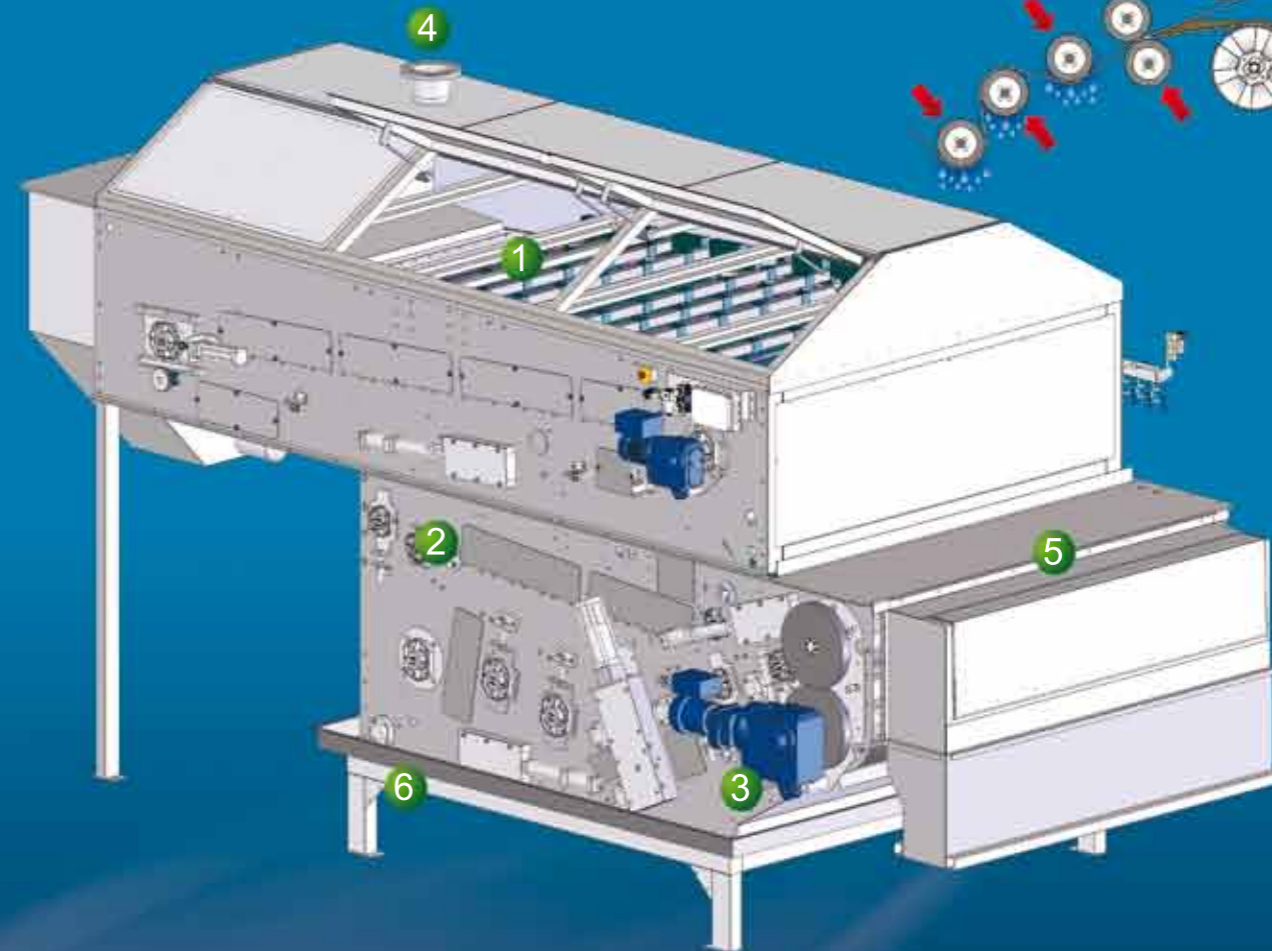
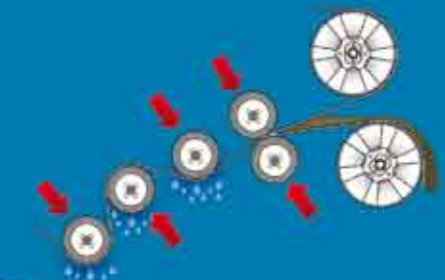
4. Odour extraction

The monocoque construction of the DEWA belt filter press enables to contain the odour within the machine, so it is rather easy to extract from the eduction pipe which is located in the upper cover of the belt filter press. This revolutionary design concept creates clean and odour-free working environment.



3. Nip arrangements

In order to obtain maximum cake dryness, the DEWA FPD multi-stage has been designed with several roller arrangements possibilities. With additional rollers and modified belt path, the total exposure time of the cake can be extended considerably.



5. Totally enclosed with conveyor

The optional discharge conveyor(s) can be configured to suit the installation requirements, and the discharge height and location can be modified. Distribution conveyors are also available to provide multiple discharge locations in a roll off bin or truck.

6. Skid Mounting

Skid mounting saves time and money during installation. An inbuilt drain pan (filtrate tray) is provided to allow all filtrate water to discharge at a single point.