



DWT-Engineering is a Finnish high-tech company specialising in design, manufacturing and marketing efficient sludge treatment systems for global environmental protection projects in municipal and industrial applications. DWT manufactures a wide range of standard and tailor made equipment. Long experience in engineering, the use of the best materials and components, comprehensive network of representatives and good after sales service ensures the customers always the best and most economical solution.

F-PD "multi-stage" belt filter press



As sludge treatment specialist we have developed various concepts for different sludge thickening / dewatering problems. With over 700 installations, DEWA offers a full range of thickening and dewatering equipment that provides superior performance, mechanical reliability, long-life durability, and user friendly features.

Our latest development is DEWA F-PD "multi-stage" dewaterer, an in-built sludge thickening / dewatering unit, based on the unique design feature and up to date technology. The DEWA F-PD multi-stage dewaterer performs best yields and highest throughput capacities compared with any other dewaterer available on the market. The gradual pressure built up to the high pressure zone leads to optimum results.

The DEWA F-PD multi-stage dewaterer is designed with closed sidewalls to contain odour within the machine. Easy access for cleaning or maintenance is achieved through openings that are closed by upper covers and service hatches. The DEWA F-PD multi-stage dewaterer enclosed allows the ancillary equipment required for dour removal to be much smaller, requiring venting the machine volume, rather than traditional belt presses which can require venting of the entire dewatering room.

The multi-stage DEWA F-PD dewaterer contains following zones:

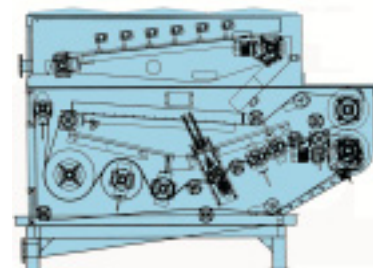
- Horizontal gravity drainage zone
- Horizontal wedge dewatering zone
- Low pressure dewatering zone
- Pressure dewatering zone
- High-pressure dewatering zone
- Nip dewatering zone (as an option)

The DEWA F-DP multi-stage dewaterer provides the following 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 costs (flocculent, energy, water)
- Closed construction, no separate odour cabin required
- Continuous, fully automated operation
- High dry solids contents, thus low costs for disposal
- Low manpower required for operation
- Compact configuration, thus low space requirements
- Improved capture rates
- Low requirement of spare parts and expandable parts

F-PD CAPACITY CHART

Models	F-PD 11	F-PD 16	F-PD 21	F-PD 26	F-PD 31
Belt width	1100	1600	2100	2600	3100
Effective filtrat 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
DC capacity kg DS/h	150-450	300-600	450-1000	700-1500	900-2000

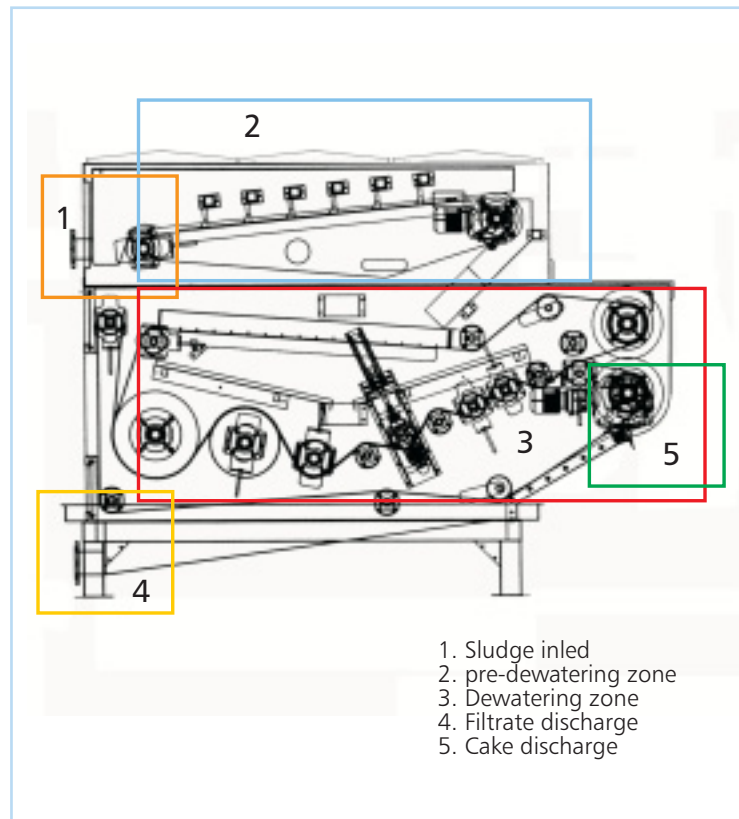


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F-PD "multi-stage" belt filter press



F-PD DIMENSION CHART

Models	F-PD 11	F-PD 16	F-PD 21	F-PD 26	F-PD 31
Lenght mm	3500	3500	3500	3500	3500
Witdh mm	1400	1900	2400	2900	3400
Height mm	2100	2100	2100	2100	2100
Weight kg	2000	2900	3000	3700	4500
Power KW	0,5	0,8	1,5	2,0	3,0

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

Typical applications

Municipal water and waste water treatment plants
pulp & paper industry
Food industry
Mining & metal industry
Chemical industry
Tanneries

DWT-Engineering reserves the rights to alter these specifications

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