



SLUDGE DEWATERING

Belt Press

Sludge management can be a dirty job, but with the right technology it doesn't have to be. FRC's belt filter press systems cleanly manage the entire process through automated stages of gravity thickening, wedge pressing, and self-cleaning.

Constructed of stainless steel, our presses are extremely resistant to fouling and corrosion. While many competitive dewatering systems employ linear designs, these presses are built with their dewatering zones stacked vertically, so equipment takes up less floor space.

Belt presses are available in three configurations sizes between 1/2 and 3 meters and flow rates up to 21,000 gallons per hour.



PC SERIES

- Compact footprint
- Continuous operation
- Pre-dewatering zone
- Low energy consumption
- Stainless steel components
- Low flow applications



NPD SERIES

- Cost efficient
- Spill prevention covers
- Dual gravity dewatering zones
- Separate VFDs on drives
- Corrosion resistant stainless steel
- Universal applications



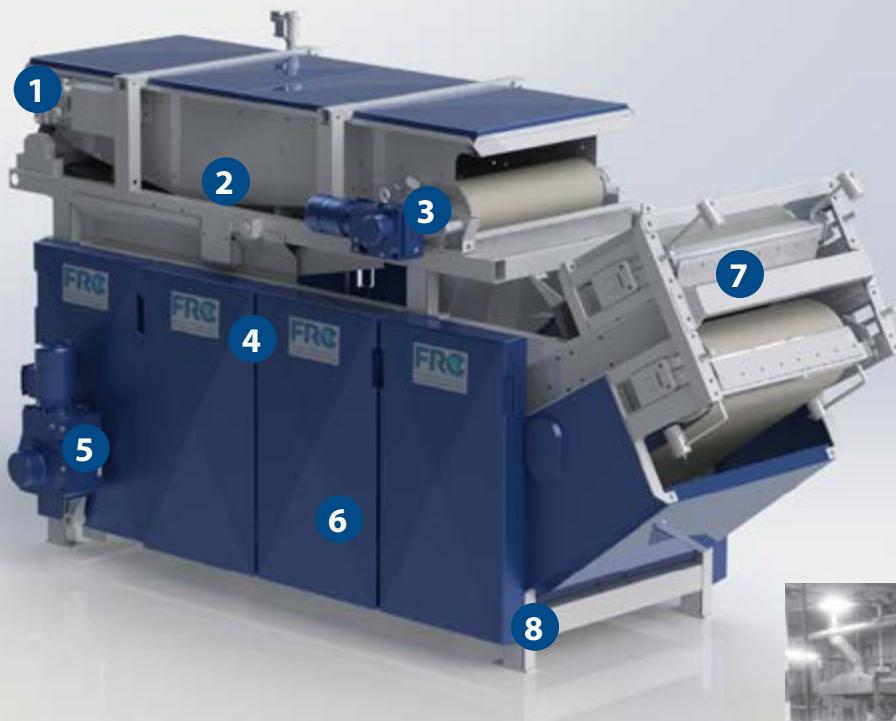
FPD SERIES

- Enclosed odor control structure
- Exterior access to components
- Vertically integrated dewatering zones
- Industrial and municipal applications



Learn more about FRC belt filter press design advantages at www.frcsystems.com

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SYSTEM DETAILS

1. Sludge Inlet
2. Gravity Dewatering Zone 1
3. Thickener Belt Drive
4. Gravity Dewatering Zone 2
5. Pressing Belt Drive
6. Pressing Zone
7. Cake Discharge
8. Stainless Steel Frame

Belt Press Model	Flow Rate - gph (m ³ /hr)	Effective Belt Width - mm	Effective Area - sq-ft (m ²)	Weight - lbs (kg)	Installed Power - HP	Dimensions - LxWxH (LxWxH in m)
PC-7	132-1,056 (0,5 - 4)	600	3.3	1,544 (700)	0.5	7' x 4'6" x 5'5" (2 x 1,37 x 1,65)
PC-11	792-1,849 (3 - 7)	1000	5.3	1,985 (900)	0.5	7' x 5'9" x 5'5" (2 x 1,75 x 1,65)
PC-16	1,585-2,641 (6 - 10)	1500	7.5	2,645 (1.200)	0.75	7' x 7'4" x 5'5" (2 x 2,2 x 1,65)
NPD-7XL	792-2,100 (3 - 8)	600	6.3	3,100 (1.400)	0.75	11'2" x 4'8" x 6'5" (3,4 x 1,4 x 1,95)
NPD-11XL	1,320-3,170 (5 - 12)	1000	10.1	3,750 (1.700)	0.75	11'2" x 6'3" x 6'5" (3,4 x 1,9 x 1,95)
NPD-16XL	2,110-5,280 (8 - 20)	1500	14.5	4,850 (2.200)	1	11'2" x 7'10" x 6'5" (3,4 x 2,4 x 1,95)
NPD-21XL	3,960-9,245 (15 - 35)	2000	19.5	6,400 (2.900)	2	11'2" x 9'6" x 6'5" (3,4 x 2,9 x 1,95)
NPD-26XL	5,280-13,200 (20 - 50)	2500	24.2	7,500 (3.400)	2	11'2" x 11'2" x 6'5" (3,4 x 3,4 x 1,95)
NPD-31XL	6,600-15,850 (25 - 60)	3000	29	8,820 (4.000)	3.5	11'2" x 12'10" x 6'5" (3,4 x 3,9 x 1,95)
FPD-11	1,320-5,283 (5 - 20)	1000	12.5	4,850 (2.200)	1.5	11'2" x 6'3" x 7' (3,4 x 1,9 x 2,1)
FPD-16	2,113-7,925 (8 - 30)	1500	18	6,393 (2.900)	1.5	11'2" x 7'10" x 7' (3,4 x 2,4 x 2,1)
FPD-21	3,170-10,566 (12 - 40)	2000	25.5	8,818 (4.000)	2.75	11'2" x 9'8" x 7' (3,4 x 2,9 x 2,1)
FPD-26	5,283-15,850 (20 - 60)	2500	30	9,700 (4.400)	2.75	11'2" x 11'4" x 7' (3,4 x 3,4 x 2,1)
FPD-31	7,925- 21,133 (30 - 80)	3000	36	1,1023 (5.000)	2.75	11'2" x 13' x 7' (3,4 x 3,9 x 2,1)

* Consult JWC Environmental as values may vary based on process circumstances



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