

AUTOMATIC FILTER PRESS



Principle

Filter press is extensively used for dewatering process. The wet sludge is fed into the filtration chambers, where solid particles are trapped in the chambers to form cakes, while the liquid permeates through filtration clothes as clear filtrate. The cakes are discharged and the filtration clothes are washed for next operation cycle when the chambers are open.



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Technical Data and External Dimensions of Filter Press

Model XZ	30/800-30U	60/800-30U	60/1000-30U	120/1000-30U	120/1250-30U	250/1500-30U	500/1500-30U	1000/2000-40U	
Filtration area (m ²)	30	60	60	120	120	250	500	1000	
Plate size (mm)	870* 870	870*870	1000*1000	1000*1000	1250*1250	1500*1500	1500*1500	2000*2000	
Thickness of cakes (mm)	30							40	
Volume of filtration chamber (L)	460	902	908	1816	1765	3739	7478	20000	
Number of plates	23	46	34	69	43	61	123	141	
Inlet filtration pressure (Mpa)	0.6								
Power consumption (kw)	2.2	2.2	4.0	4.0	4.0	5.5	5.5	5.5	
Dimensions	L	3210	4480	3770	5870	5270	7100	11320	15600
	W	1390	1390	1500	1500	1850	2000	2000	3000
	H	1340	1340	1400	1400	1600	1820	1820	2500
Weight (kg)	3046	4597	4636	7664	9308	22978	38606	65000	