

BELT FILTER PRESS (Sludge Dewatering)

The belt filter is an industrial machine, used for solid/liquid separation processes, particularly the dewatering of sludges in the chemical industry, mining and water treatment. The process of filtration is primarily obtained by passing a pair of filtering cloths and belts through a system of rollers. The system takes a sludge or slurry as a feed, and separates it into a filtrate and a solid cake.

The belt filter is mainly used for dewatering of sludge and slurry. Belt filters are used both municipally and industrially in a range of areas including urban sewage and wastewater treatment, metallurgy and mining, steel plants, coal plants, breweries, dyeing, tanneries, as well as chemical and paper factories.



Advantages

- ❖ Staffing requirements are low.
- ❖ Maintenance is relatively simple.
- ❖ The equipment can easily be started and shut down quickly.
- ❖ Less noise is produced by belt presses compared to centrifuges.

Features:

- ❖ Material of the Main structure.
- ❖ Belt: imported from America and has a long service life.
- ❖ Low power consumption, slow —speed of revolution and low noise, the level of noise is no more than 75db (A).
- ❖ Adjustment of belt: pneumatic regulated, ensure the stability of the machine.
- ❖ Multi —point safety detection and emergency stop device: improve the safety of operation.
- ❖ The design of the system is obviously humanized and provides convenience in operation and maintenance.

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TECHNICAL DATA & EXTERNAL DIMENSIONS OF BELT PRESSES



MODEL		SN-1000	SN-1500	SN-1750	SN-2000	REMARK
Belt Width (mm)		1000	1500	1750	2000	
Treating Capacity (m3/hr) inlet consistency(s.s.1~2.5%)		6.5~10.5	12~20.5	15~24.5	18~30	(depends on the slurry feature)
Dried sludge (Kg/h)		98-158	180-308	225-368	270-450	(depends on the slurry feature)
Water Contents rate(%)		75.84.5	75.84.5	75.84.5	75.84.5	(depends on the slurry feature)
Power Consumption (HP)	Driving Motor	1/2	1	1	1	
	Disposal Agitator Motor	1/2	3/4	3/4	1	
	Drum Thickener	1/2	3/4	3/4	3/4	
Lower Collecting Tray for Pressed Filtrate		YES	YES	NONE	NONE	
External Dimensions Reference (mm)	L	2600	3300	3300	3400	Plz ask the actual dimension before ordering
	W	1550	2150	2400	2650	
	H	2350	2500	2500	2600	
Base Dimension L1XW1(mm)		2100X1330	2450X1860	2580X2110	2580X2360	
Reference weight (Kegs')		1210	2200	2450	2850	

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