



## Belt concentration press filter

### Product introduction (HDNY type)

HDNY belt concentration filter press is a new type of fully enclosed belt concentration filter press designed and manufactured by our company with reference to foreign advanced models. It has the characteristics of beautiful appearance, reliable performance, compact structure, light weight, clean operating environment, convenient transportation and installation, small external size, small floor area of required dehydration plant, saving construction investment, etc, It is applicable to the solid-liquid separation of various suspended materials, especially the sludge dewatering process of large and medium-sized urban sewage plants and the dewatering of beneficiation paper mill and blast furnace waste residue.



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### Characteristic

The concentration and press are integrated into one, with continuous operation and high treatment efficiency.

Deviation correction mode: pneumatic feedback unilateral automatic deviation correction

Tension of filter belt: spring tension of concentration section and pneumatic tension of filter pressing belt.

High degree of automation, PLC program control can be adopted.

The two-stage turnover gravity dehydration has good dehydration effect, fully closed structure, creating an excellent operating environment, compact structure and convenient installation and transportation.

### Main specifications and parameters:

Model		HDNY500	HDNY 1000	HDNY 1500	HDNY2000	HDNY2500
Filter belt width (mm)		500	1000	1500	2000	2500
Filter belt speed (m/min)	Concentration	4~22m/min				
	Pressure filter	1~5m/min				
Gravity dewatering area m <sup>2</sup>		7.5	9.8	11.2	14.0	15.8
Press dewatering area m <sup>2</sup>		2.5	5.0	7.5	10.0	12.5
Power (kw)	Concentration	0.6	0.8	1.1	1.1	1.5
	Pressure filter	1.1	1.1	1.5	1.5	2.2
Flushing water pressure (Mpa)		≥0.5				
Overall noise (db(A))		≤7.5				
Host quality (Kg)		4000	5800	6500	7200	8500
Size(L×W×H) cm		420x96x247	420x146x247	420x196x247	420x246x247	420x296x247
Feed moisture content		≈299.5%				
Moisture content of filter cake		<80%				
Cleaning water flow (m3/h)		6~9	8~12	15-20	20-22	25-32
Processing capacity (m3/h)		5~10	20-40	30-70	40-80	50-100

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## Product introduction and features (HDNA type)

HDNA belt concentration filter press adopts a special mud distribution area, combined with the application of sedimentation theory. Our company combines thickener and vertical dehydrator, which has compact structure, reduced operation height and convenient maintenance. This series of models have strong adaptability to dilute sludge in various occasions. The feed concentration can even be lower than 0.5%. It can be widely used in dilute sludge dewatering in municipal, printing and dyeing, papermaking and other industries.



## Main specifications and parameters:

Model	HDNA 1000	HDNA1500	HDNA2000	HDNA2500	HDNA3000
Filter belt width (mm)	1000	1500	2000	2500	3000
Filter belt speed (m/min)	Concentration section 4.5-22; Pressure filter section 1.3-6.5				
Main engine transmission power (Kw)	0.75+1.1	1.1+1.5	1.1+2.2	1.1+2.2	1.1+3.0
Cleaning water pressure (MPa)	$\geq 0.5$				
Cleaning water volume (m <sup>3</sup> /h)	9-15	12-18	15-25	20-30	25-36
Host noise (dB (A))	$\leq 75$				
Host weight (Kg)	5500	7200	8000	9200	10500
Operating weight (Kg)	5800	7800	9000	10500	11800
Size (cm)	517x154x203	517x204x203	517x254x203	517x304x203	517x354x203