

XZ560-1190/2000 Series Hydraulic Automatic Filter Press

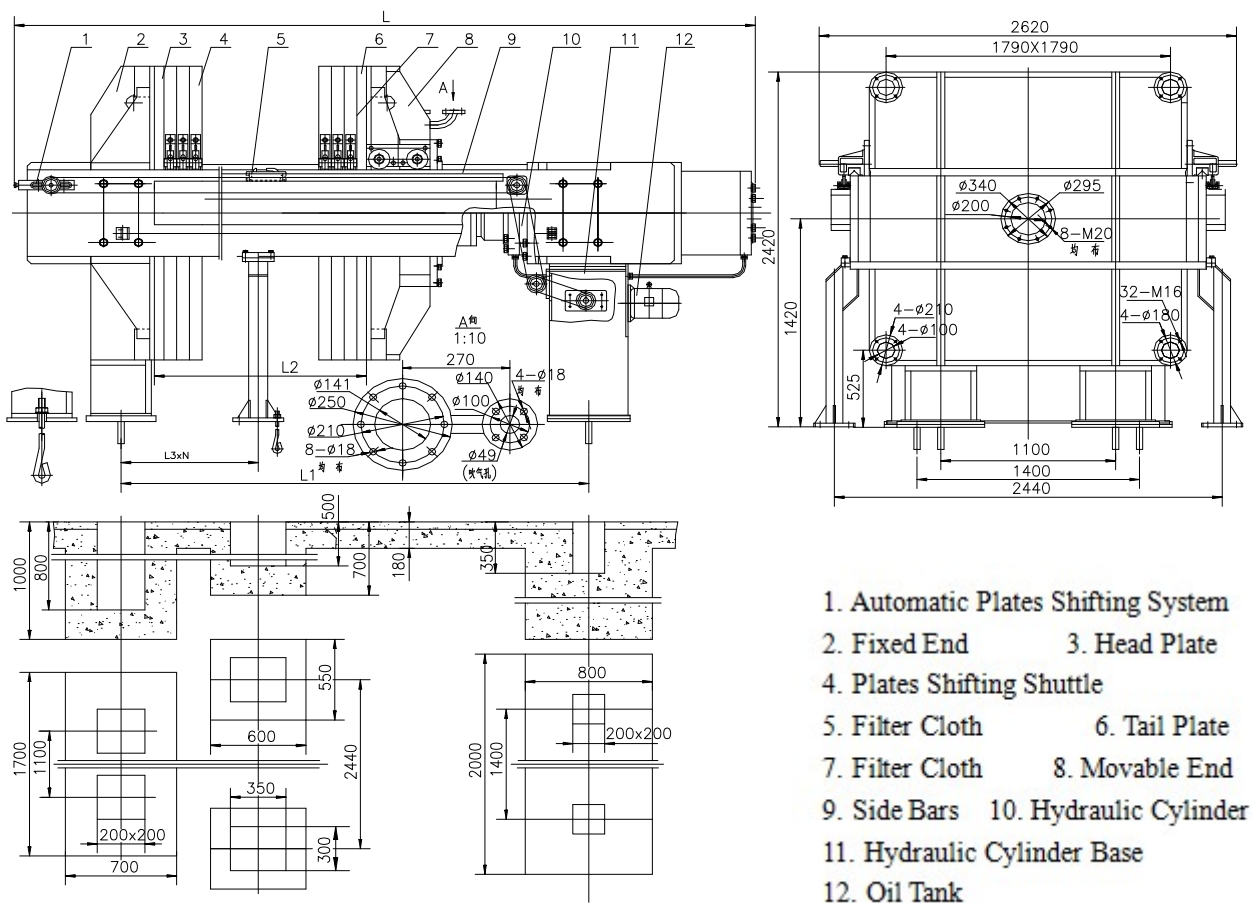
Structure & Working Principle

This filter press basically consists of metal frame, filtration chamber, hydraulic closing system, & electric control system.

The metal frame have two side bars (9) are connected at one end to a fixed end (2) which also known as a feed head and another end to the hydraulic cylinder base (10).

Piston rod of hydraulic cylinder (10) hinged with a moving plate (8). The moving plate connected with tail plate (6) clamps the filter plate pack (4). The filter plate pack comprises a number of filter plates forming chamber for solid collection. The filter cloth (7) as a filter media is supported by the plates of plate pack. Slurry is pumped into chamber and against filter media. Liquid (the filtrate) passes through the filter cloth and exits through the filtrate ports of the plates. The solids (filter cake) collect on the surface on the filter cloth within the chamber until the chamber is full. The cake is washed or not by customers' optional. Then a plate shifting shutter (5) helps shifting the plates to discharge the filter cakes and one filtration cycle is completed.

Structure & diagram



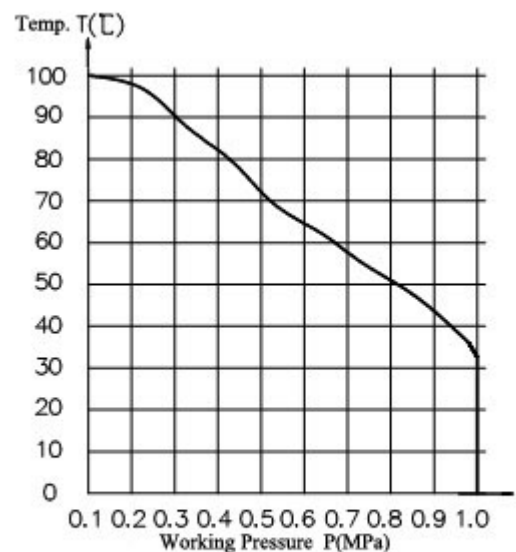
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Filter Area(mm ²)	L(mm)	L1(mm)	L2(mm)	L3(mm)	N
560	10582	8846	6521	4153	1
630	11392	9656	7331	4558	
700	12202	10466	8141	4963	
770	13012	11276	8951	5368	
840	13822	12086	9761	3849	2
910	14632	12896	10571	4119	
980	15442	13706	11381	4389	
1050	16252	14516	12191	4659	
1120	17062	15326	13001	4929	
1190	17872	16136	13811	5199	

Performance & parameters

Performance

Working pressure inside the filter chamber	≤1.0MPa
Working pressure of hydraulic	≤28MPa
Rated pressing force	3880KN
Max. displacement of compressing plate	1000mm
Max. Temperature	<100℃
Rated power of Motor	4KW



Working Pressure-Temperature Curve

Note: High Temp. & High Pressure Plates are also available upon requests.

Parameters

Filter Area m ²	Plate Quantity PCS	Chamber Quantity PCS	Filter Cake mm	Chamber Volume m ³	Chamber length mm	Dimensions mm			Machine Mass t	Pore dia. Φ mm	
						Length	Width	Height		Feed Pore φmm	Washing & Discharging Pore φ mm
560	79	80	35	9.80	6521	10582	2620	2420	35.27	200	100
630	89	90		11.03	7331	11392			37.79		
700	99	100		12.25	8141	12202			40.32		
770	109	110		13.48	8951	13012			42.84		
840	119	120		14.70	9761	13822			45.36		
910	129	130		15.93	10571	14632			47.89		

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980	139	140		17.15	11381	15442			50.04		
1050	149	150		18.38	12191	16252			52.93		
1120	159	160		19.60	13001	17062			55.45		
1190	169	170		20.83	13811	17872			57.97		

Wearing Parts

Code	Description	Material	Quantity	Remark
GB1235-76	O type seal ring 380×8.6	Oil resistance rubber	2	
GB1235-76	O type seal ring 420×8.6	Oil resistance rubber	4	
JB/ZQ4264-86	YX type seal ring D420	Polyurethane -4	4	

Note: Parameters, dimension & structure are subject to changes without notice, hope your kindly understanding.