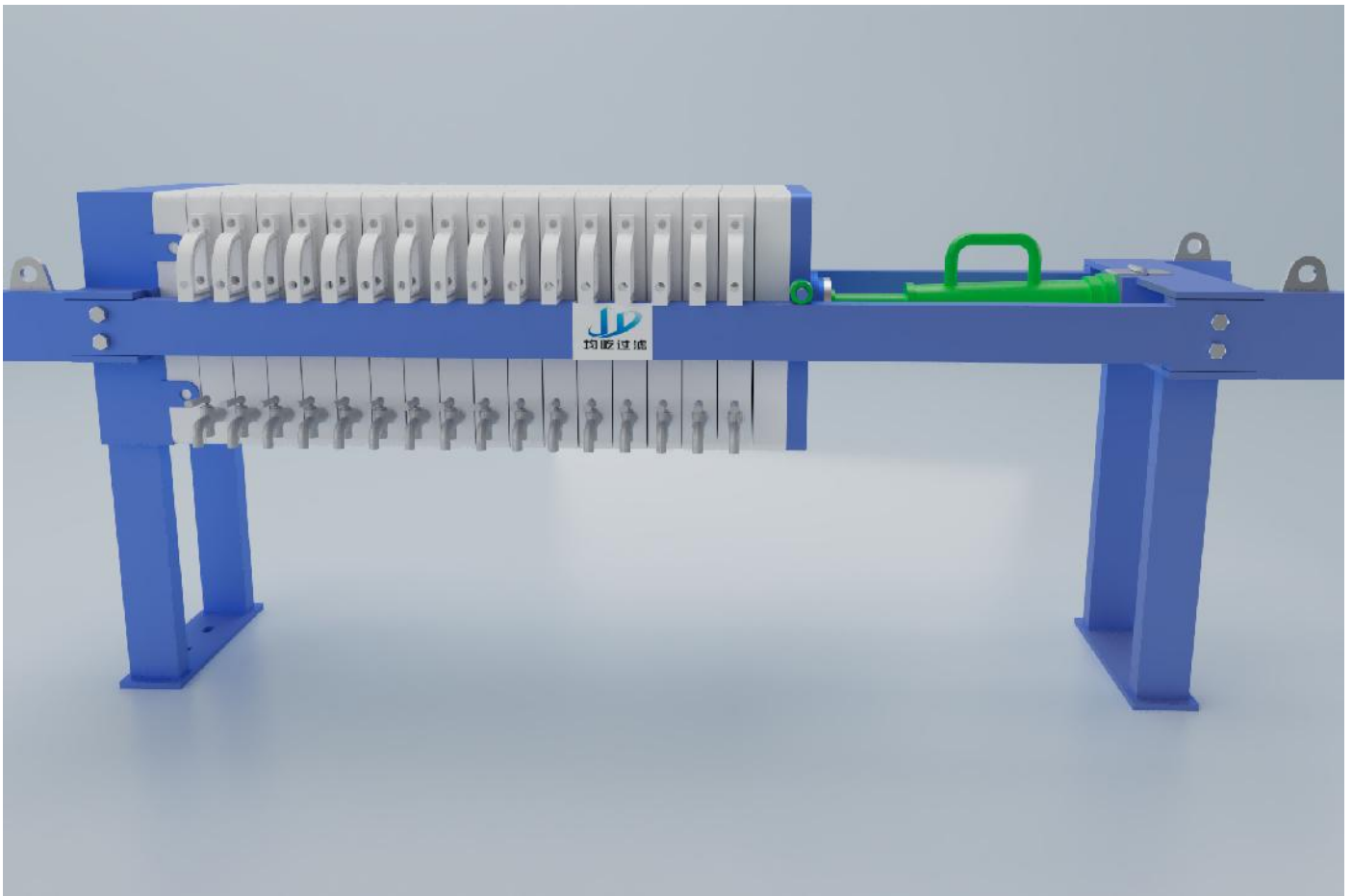


Manual Jack Filter Press

Product Description

Manual jack pressing chamber filter press adopts screw jack as the pressing device, which has the features of simple structure, convenient operation, no need of power supply, economic and practical. It is generally used in filter presses with a filtration area of 1 to 40 m² for fluid filtration in laboratories or with a processing capacity of less than 0-3 m³ per day.



Product Features

A、 **Filtration pressure** < 0.5Mpa

B、 **Filtration temperature:** 45°C/ room temperature; 80°C/ high temperature; 100°C/ High temperature. The raw material ratio of different temperature production filter plates is not the same, and the thickness of filter plates is not the same.

C-1、 **Discharge method - open flow:** Faucets need to be installed below the left and right sides of each filter plate, and a matching sink. Open flow is used for liquids that are not recovered.

C-2、 **Liquid discharge method close flow:** Under the feed end of the filter press, there are two close flow outlet main pipes, which are connected with the liquid recovery tank. If the liquid needs to be recovered, or if the liquid is volatile, smelly, flammable and explosive, dark flow is used.

D-1、 **Selection of filter cloth material:** The pH of the liquid determines the material of the filter cloth. PH1-5 is acidic polyester filter cloth, PH8-14 is alkaline polypropylene filter cloth. The viscous liquid or solid is preferred to choose twill

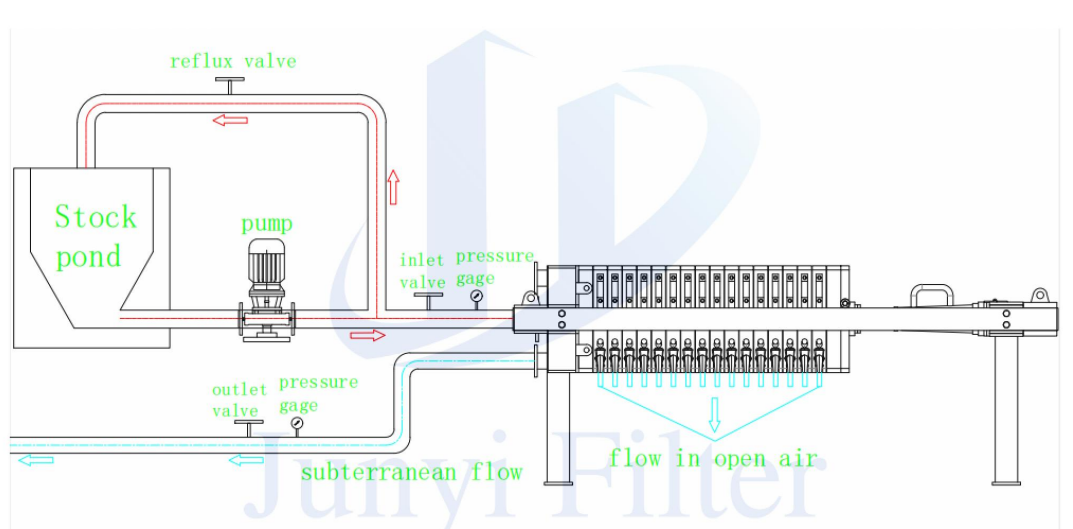
filter cloth, and the non-viscous liquid or solid is selected plain filter cloth.

D-2、**Selection of filter cloth mesh:** The fluid is separated, and the corresponding mesh number is selected for different solid particle sizes. Filter cloth mesh range 100-1000 mesh. Micron to mesh conversion (1UM = 15,000 mesh---in theory).

E、**Rack surface treatment:** PH value neutral or weak acid base; The surface of the filter press frame is sandblasted first, and then sprayed with primer and anti-corrosion paint. The PH value is strong acid or strong alkaline, the surface of the filter press frame is sandblasted, sprayed with primer, and the surface is wrapped with stainless steel or PP plate.

Filter Press Model Guidance					
Liquid name	Solid-liquid ratio (%)	Specific gravity of solids	Material status	PH value	Solid particle size (mesh)
Temperature (°C)	Recovery of liquids/solids	Water content of filter cake	Working hours/day	Capacity/day	Whether the liquid evaporates or not

Feeding process



Application Industries

Petroleum, chemical, pharmaceutical, sugar, food, coal washing, oil, printing and dyeing, brewing, ceramics, mining metallurgy, sewage treatment and other fields.

Filter press ordering instructions

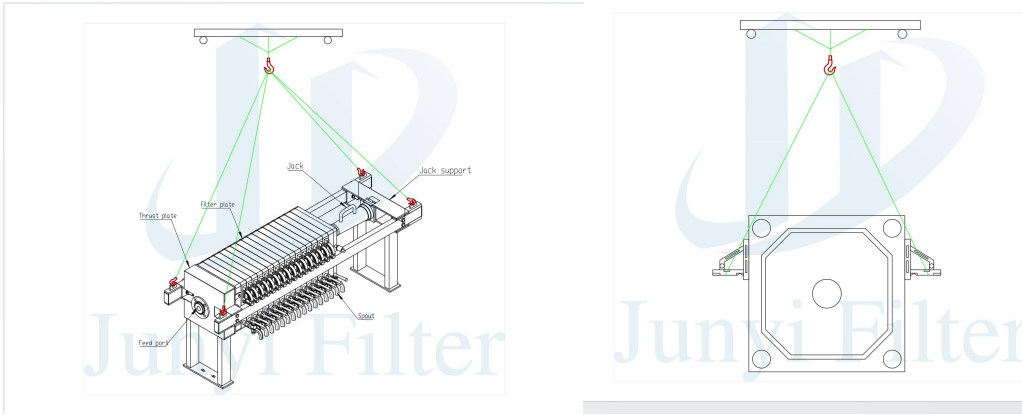
1. Refer to the filter press selection guide, filter press overview, specifications and models, select the model and supporting equipment according to the needs.

For example: Whether the filter cake is washed or not, whether the effluent is open or close, whether the rack is corrosion-resistant or not, the mode of operation, etc., must be specified in the contract.

1. According to the special needs of customers, our company can design and produce non-standard models or customized products.

3. The product pictures provided in this document are for reference only. In case of changes, we will not give any notice and the actual order will prevail.

Schematic diagram of filter press lifting



Filter press operation specification

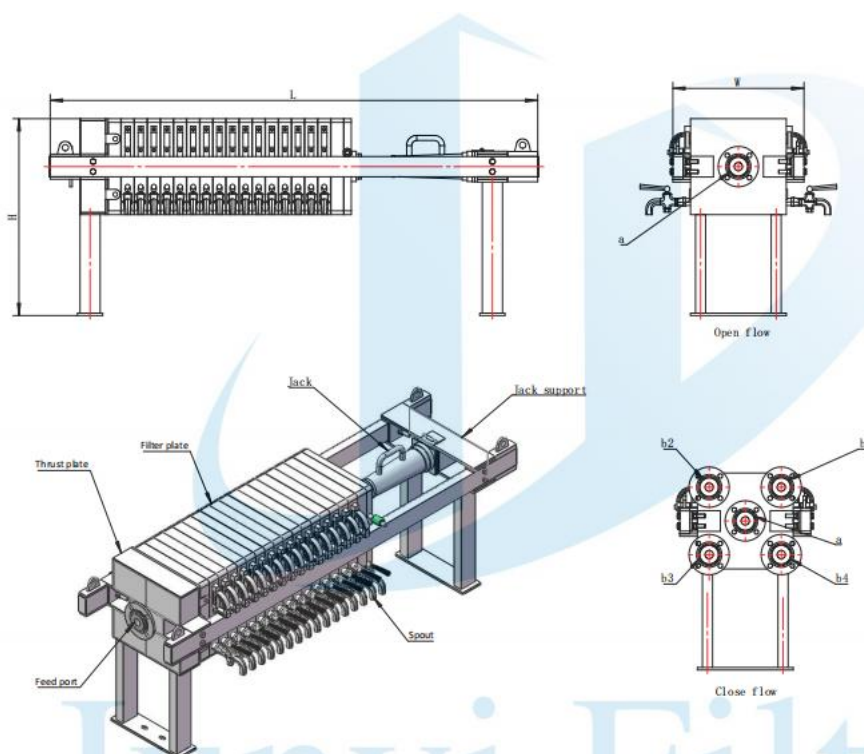
1. According to the process requirements to make pipeline connection, and do water inlet test, detect the air tightness of the pipeline;
2. For the connection of the input power supply (3 phase + neutral), it is best to use a ground wire for the electric control cabinet;
3. Connection between control cabinet and surrounding equipment. Some wires has been connected. The output line terminals of the control cabinet are labeled. Refer to the circuit diagram to check the wiring and connect it. If there is any looseness in the fixed terminal, compress again;
4. Fill the hydraulic station with 46 # hydraulic oil, the hydraulic oil should be seen in the tank observation window. If the filter press operates continuously for 240 hours, replace or filter the hydraulic oil;
5. Installation of cylinder pressure gauge. Use a wrench to avoid manual rotation during installation. Use an O-ring at the connection between the pressure gauge and the oil cylinder;
6. The first time the oil cylinder runs, the motor of the hydraulic station should be rotated clockwise (indicated on the motor). When the oil cylinder is pushed forward, the pressure gauge base should discharge air, and the oil cylinder should be repeatedly pushed forward

and backward (the upper limit pressure of the pressure gauge is 10Mpa) and air should be discharged simultaneously;

7. The filter press runs for the first time, select the manual state of control cabinet to run different functions respectively; After the functions are normal, you can select the automatic state;

8. Installation of filter cloth. During the trial operation of the filter press, the filter plate should be equipped with filter cloth in advance. Install the filter cloth on the filter plate to ensure that the filter cloth is flat and there are no creases or overlaps. Manually push the filter plate to ensure that the filter cloth is flat.

9. During the operation of the filter press, if an accident occurs, the operator presses the emergency stop button or pulls the emergency rope;



Junyi Filter

Jack filter press

Model	Filter area (㎡)	Plate Size (mm)	Chamber volume (L)	Plate Qty (pcs)	Weight (Kg)	Overall dimension (mm)			Inlet Size (a)	Outlet/close flow size (b)	Outlet/open flow size
						Length (L)	Width (W)	Height (H)			
JYFPJ-1-380	1	380	15	4	430	1100	600	700	DN50	DN50	1/2
JYFPJ-2-380	2	×	30	9	490	1390					
JYFPJ-3-380	3	380	45	14	510	1620					
JYFPJ-4-500	4	500	60	9	720	1730	800	900	DN50	DN50	1/2
JYFPJ-8-500	8		120	19	820	2230					
JYFPJ-10-500	10		×	150	24	870					
JYFPJ-12-500	12	500	180	29	920	2730					
JYFPJ-16-500	16	240	36	990	3230						
JYFPJ-15-700	15	700	225	18	1150	2470	1100	1100	DN65	DN50	1/2
JYFPJ-20-700	20		300	24	1250	2770					
JYFPJ-30-700	30		×	450	37	1600					
JYFPJ-40-700	40	700	600	49	2100	4120					

Tel. +86 021-51863216 +86 13916593659

Email. junyifilter1@junyigl.com

Address: Shanghai China

Shanghai Junyi filtration equipment Co., LT