FUOOTECH OIL FILTRATION GROUP

PL SERIES

PORTABLE PLATE FRAME PRESSURIZED TYPE OIL FILTRATION MACHINE

PORTABLE ☑ SIMPLE OPERATION ☑ ENERGY SAVE ☑

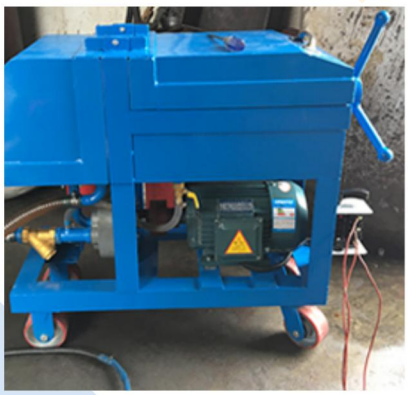
■ INTRODUCTION



FUOOTECH PL Series Portable Press Oil Filter Machine is also called Plate and frame filter press, Frame Filter, Plate Oil Filter, Oil Mill Filter Press, etc. FUOOTECH supplies various models of plate and frame filter presses in different sizes and varied capacities. Besides, we can also offer frame filter press according to customers' requirement. We are your trusted supplier in China.

PL Series Plate Frame Press Oil Purifier is used for filtration of micron sized solids in liquids. It has rationalization structure, convenient maintenance and is also very easy to operate, cleaning residual easier and faster. So it is well welcomed by all the users from every walk of life.

This Oil Filter Press Machine is designed with a fine-mesh filtering paper, making it particularly efficient in oil refinement. The filtrating paper between the filter plates forms many rooms. Under the action of high pressure, the oil goes through the filtrating cloth or paper and then be expelled from the oil outlet.





Product Case



Product Video on YouTube: https://youtu.be/3Tosdn4VnYs

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APPLICATIONS

1). Edible oils processing industry:

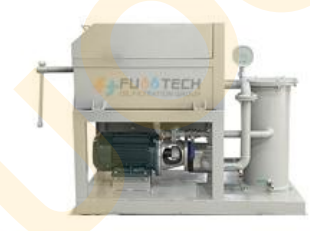
The PL Series plate flame filter is suitable for oil production, food processing and small scale oil processing plant or small refinery plant, etc. for separating solids from crude oil for manufacturing edible or cooking oil.

This is due to the fact that the solids in this type of food are largely organic and oxidized over time, deteriorating the quality of the product. In the food industry, it is very important to increase the quality, taste and shelf pattern of the product as well as the need to obtain clear product. The desired final product quality is achieved in a very short time by holding solids up to 0.5 ~ 1 microns with PL press oil filter machine.

2). Industrial oils processing industry:

Series PL Plate Frame Pressurized Type Oil Purifier is specially designed for power station, electricity factory, power electrical substation of industrial and mining enterprise, lube oil depot, tractor station, petroleum, chemical engineering, metallurgy, national defense industry, etc, filtering solid particles and impurities of transformer oil, turbine oil, lube oil, EP gear oil, machine oil, diesel oil, hydraulic oil. It's a great choice as pre-treatment equipment prior to high vacuum oil purifier machines.

Series PL Plate Frame Pressurized Type Oil Purifier is mainly made up of machine base, filtering bed, boosting type oil pump, rough filter, tension bolt and filter plate. There are filtering medias, such as filtering paper or filtering cloth, installed between the steel filter board and filter plate that will be fixed to form a single filtering room under the pressure of the packing device. The filtering paper or filtering fuse packed between the filter board and filter plate will play a very important role of filtering.










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TECHNICAL PARAMETERS

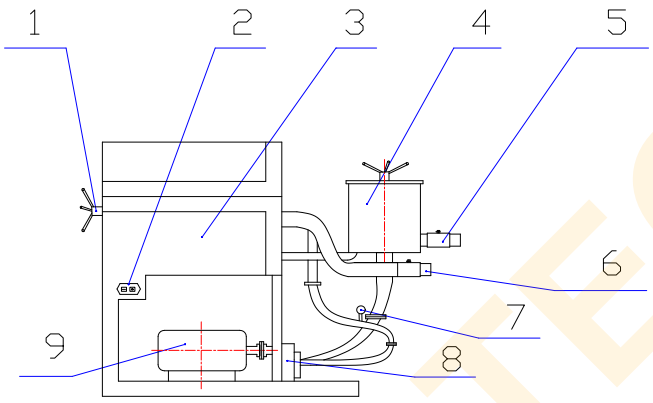
Model			PL -50	PL-100	PL-125	PL-150	PL -200	PL -300	PL-500
Flow Rate		L/min	50	100	125	150	200	300	500
		L/hour	3000	6000	7500	9000	12000	18000	30000
Working Pressure		MPa	0 ~ 0.5						
Filtering Area		≥m^2	0.39	1.3	1.54	1.89	2.01	3.1	4.6
Board Frame Size		mm	180×180		280×280				
Press Manner			Screw Manually						
Filter Frame Number			10	10	12	14	18	23	29
Filter Plate Number			11	11	13	15	19	24	30
Gear Oil Pump	Flow	L/min	>50	>100	>125	>150	>200	>300	>500
	Safe Pressure	MPa	0.5						
Power supply			380V, 3Phase, 50hz (or as per user's option)						
Viscosity (mm²/S)			≤46						
Motor	Power	kW	3		3		5.5		8
	Rotation Speed	r/min	1400		1440		1440		
Filtering precision			≤ 1 ~ 5 μm						
Noise dB(A)			≤ 55						
Filter paper size		mm	185*190		285*290				
Diameter	Inlet	mm	25	32	32	44	44	50	50
	outlet	mm	32	44	44	50	50	65	65
Dimension	Length	mm	700	750	1120		1200		1620
	Width	mm	300		600				
	Height	mm	720	920			1260		
Weight	Kg		115	180	250	270	300	330	600

Note: 1. The dimension and weight will be changed with changing of technical specs.
2. All the specs can be customized according to client's requirements.

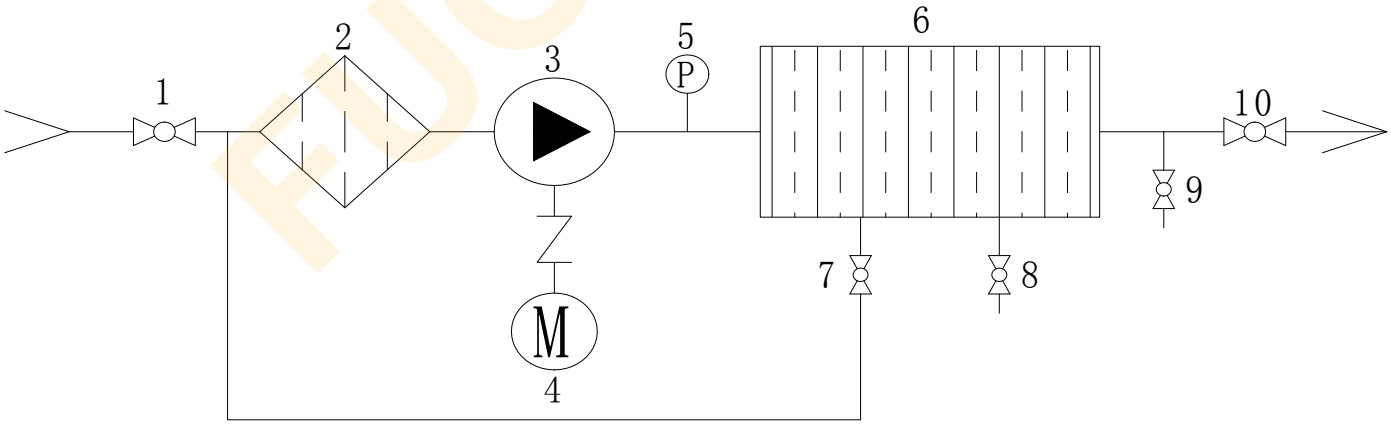
FEATURES

- Plate pressure type filtering method, filter paper or filter cloth as filter media, simple operation.
- No heating, the additives in the oil are well prevented from degradation or deterioration
- Simple structure, small volume, light weight, easy to carry and operate
- Low operation cost, Low maintenance time and cost
- Special oil pump has strong suction ability and make the machine to be used in more oil types
- Low noise, Quick and convenient to replace filter paper or filtering cloth.
- Can effectively purify the tiny and fine mechanical impurity from oil.

DIAGRAMS & DRAWINGS



1、Pressing Handle 2、Switch Button 3、Steel Frame Structure 4、Primary Filter 5、Oil Inlet 6、Oil Outlet 7、Pressure Gauge 8、Oil Pump 9、Motor



1、Oil Inlet Valve 2、Primary Filter 3、Oil Pump 4、Oil Pump Motor 5、Puressure Gauge 6、Steel Plate Frame 7、Oil Return Valve 8、Blow-down Valve 9、Sampling Valve 10、Oil Outlet Valve

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■ PACKING & DELIVERY

Product transportation





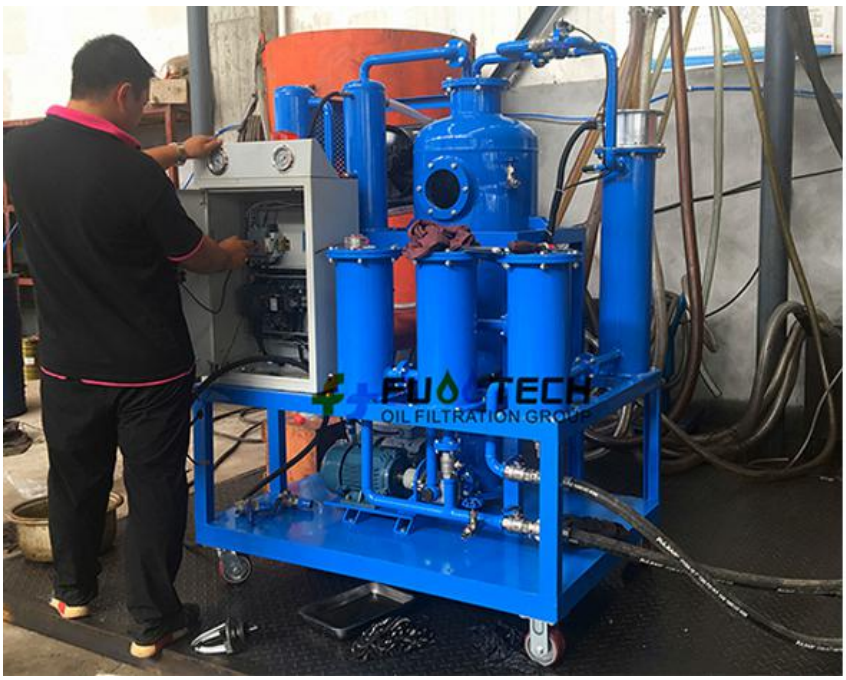
■ CERTIFICATES



■ YOU MIGHT BE ALSO INTERSTED IN:

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LOP Series Vacuum Lubricating Oil Purifier



PROJECT CASES



FTY Series Vacuum Turbine Lube Oil Purifier







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