

OIL FILTRATION MACHINE



HIGH
TECHNOLOGY



EXCELLENT
PERFORMANCE



HIGH QUALITY
PRODUCT



An oil filtration machine is a device used to clean oil from contaminants such as dirt, water, metal particles, and acids. This machine is frequently used in various industries, including manufacturing, transportation, and power generation, to ensure the oil remains clean and functions optimally. Oil filtration machines are essential in maintaining the performance and operational efficiency of machinery in various industrial sectors.

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Series Portable High Vacuum Insulating Oil Purifier



■ APPLICATION

Purify various of unqualified or used insulation oils including aging transformer oil, mutual inductor oil, switch oil. Vacuum dehydration and degasification as well as filtering. Also it can inject the insulating oil into transformers.

■ FEATURES

1. Small size. Low cost. Most populler Can live operated with electricity, vacuum oil and dry power equipment.
2. Bi-infrared liquid Duplex 3D stereo-evaporation technology to dehydrate and degas oil effectively.
3. Oil of any grades can be treated on line at working site.
4. Can not only work independently but also with oil regeneration system.

■ TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- BOF-ZY Portable Insulating Oil Purifier
- BOF-ZY-APLC Fully Automatic Transformer Oil Purifier
- BOF-ZY-M Outdoor Mobile Dielectric Oil Cleaning System
- BOF-ZY-W Fully Enclosed Dielectric Oil Purification Machine
- BOF-ZY-S Trailer Open Type Transformer Oil Filtration Machine
- BOF-ZY-Ex Explosion-Proof Transformer Oil Filtering Machine



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TECHNICAL SPECIFICATION

Item	Unit	BOF-ZY-6	BOF-ZY-10	BOF-ZY-20	BOF-ZY-30	BOF-ZY-50	BOF-ZY-100	BOF-ZY-150	BOF-ZY-200	BOF-ZY-300	
Flow Rate	L/min	6	10	20	30	50	100	150	200	300	
Vacuum Degree	Mpa	-0.06~-0.095									
Working Pressure	Mpa	≤0.4									
Temperature Range	°C	20~80									
Normal Working Hour	H	≥4000									
Continuous Working	H	150									
Power Supply	H	380V / 50HZ / 3PH 5 Wire (As Customer's Requirement)									
Working Noise	dB(A)	60	61	63	70	70	75	70	70	70	
Heating Power	Kw	9	11	13	15	30	48	58	70	85	
Total Power	Kw	9.7	12.5	14.5	16.5	33.5	53	65	76	94	
Oil Outlet / Inlet	mm	φ20	φ25	φ25	φ25	φ32	φ42	φ50	φ50	φ60	
Weight	Kg	150	230	250	270	300	500	700	800	900	
Size L	L	mm	970	1050	1100	1150	1200	1600	1600	1800	1900
	W	mm	630	750	850	900	950	1000	1100	1200	1200
	H	mm	900	1300	1400	1450	1500	1800	1800	1900	1900
Index After Purifying	Breakdown Voltage	Kv	≥70								
	Moisture Content	PPM	≤5								
	Gas Content	%	0.1								
	Impurity Size	μm	≤1 (Customizable)								
	Value β	%	96								

BOF-ZYB

Series Vacuum Transformer Oil Regenerating System

APPLICATION

Purify and regenerate used insulating oils includes transformer oil, switch oil, circuit breaker oil, capacitor oil, mutual inductor oil in power generation plants, transformer stations, electric transmission and supplying company, factories, mines, railway transportation, etc. It can be used as special equipment for electric power transformer maintenance.

FEATURES

- Besides dewatering, degassing and filtering, it regenerates oil by removing polarity materials such as the deep oxides, free carbon etc effectively.
- Three ways of using: vacuum system and filtering system can work independently; so does the regeneration oil system; also they can work at the same time
- Special absorbing agent to remove free carbon and water-soluble acid so as to improve flash point, acid value and dielectric property of oil.
- Chain safety protection system, pressure protection device, interaction of oil inlet and heating, infrared oil level control system to help avoid damage from incorrect operation.



TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- BOF-ZYB Insulating Oil Regeneration System
- BOF-ZYB-APLC Fully Automatic Insulating Oil Recycling Unit
- BOF-ZYB-M Outdoor Mobile Transformer Oil Recycling Machine
- BOF-ZYB-W Fully Enclosed Transformer Oil Recuperation Machine
- BOF-ZYB-S Trailer Open Type Insulating Oil Recovery System
- BOF-ZYB-Ex Explosion Proof Dielectric Oil Regeneration Unit



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TECHNICAL SPECIFICATION

Item	Unit	BOF-ZYB-20	BOF-ZYB-30	BOF-ZYB-50	BOF-ZYB-100	BOF-ZYB-150	BOF-ZYB-200	
Flow Rate	L/min	20	30	50	100	150	200	
Vacuum Degree	Mpa	-0.06~-0.095						
Working Pressure	Mpa	≤ 0.3						
Temperature Range	°C	10~80						
Normal Working Hour	H	≥ 4000						
Continuous Working Hour	H	150						
Working Noise	dB(A)	≤60	≤70	≤72	≤75	≤80	≤80	
Heating Power	Kw	18	24	30	45	60	72	
Total Power	Kw	22	28	35	50	68	80	
Inlet (Outlet) Caliber	mm	Ø25	Ø25	Ø32	Ø42	Ø50	Ø50	
Weight	Kg	400	450	600	800	850	900	
Size L	L	mm	1500	1600	1600	1600	1700	
	W	mm	900	900	900	950	1000	
	H	mm	1550	1650	1700	1700	1800	
Index After Purifying	Breakdown Voltage	Kv	≥70					
	Moisture Content	PPM	≤ 5					
	Gas Content	%	0.1					
	Impurity Size	µm	≤ 1 (Customizable)					
	Value β	%	96					
	Acid Value	mg KOH/g	≤ 0.03					
Dielectric Loss Factor	tgδ (90°C)	≤ 0.001						

Series Double Stage Vacuum Transformer Oil Purifier

APPLICATION

Dehydration, degasification and filtration of insulation oil especially aging transformer oil. Roots pump is combined with vacuum pump to generate powerful working efficiency and remove water, gas more thoroughly and rapidly. Due to its bridge-type design, it also can be used as an independent vacuum source for vacuum drying and oiling for insulation oil.



FEATURES

1. Can purify large power transmission equipment above 110kv.
2. Equipped with roots pump, powerful double-stage vacuum system
3. Continuously working for 150 hours
4. Duplex 3D evaporation technology and precise multi-stage filtration system
5. Carbon fiber infrared heating system
6. Automatic double-infrared liquid controller and pressure protector
7. Interlocked protective system
8. Automatic back-flushing system

TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- BOF-ZYD Double Stage Vacuum Insulating Oil Purification Machine
- BOF-ZYD-APLC Fully Automatic Transformer Oil Filtration Machine
- BOF-ZYD-M Outdoor Mobile Transformer Oil Purification Plant
- BOF-ZYD-W Fully Enclosed Insulating Oil Purifier Machine
- BOF-ZYD-S Trailer Open Type Transformer Oil Cleaning Machine
- BOF-ZYD-Ex Explosion-Proof Vacuum Transformer Oil Purifier



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Item	Unit	BOF-ZYD-30	BOF-ZYD-50	BOF-ZYD-100	BOF-ZYD-150	BOF-ZYD-200	BOF-ZYD-250	BOF-ZYD-300	
Flow Rate	L/min	30	50	100	150	200	250	300	
Vacuum Degree	Mpa	-0.08~-0.099							
Working Pressure	Mpa	≤ 0.3							
Temperature Range	°C	20~80							
Power Supply		380V / 50Hz / 3Ph 5 Wire (Customer's Requirement)							
Normal Working Hour	H	≥ 4000							
Continuous Working Noise	H	150							
Working Noise	dB(A)	70	70	70	75	75	75	75	
Heating Power	Kw	28	30	45	60	75	90	120	
Total Power	Kw	35.5	37.5	52.5	71.4	86.5	102.5	135	
Inlet (Outlet) Caliber	mm	φ25	φ32	φ42	φ50	φ50	φ50	φ60	
Weight	Kg	600	800	1050	1400	1800	2000	2200	
Size L	L	mm	1500	1600	1800	1900	2000	2100	2200
	W	mm	800	850	1100	1150	1200	1200	1200
	H	mm	1600	1700	1900	2000	2100	2200	2300

Item	Unit	After Treatment
Breakdown Voltage	kW	≥75
Moisture Content	PPM	≤3
Gas Content	%1	≥0.1
Impurity Size	μm	≤1 (No Free Carbon)
IFT	dynes/cm	≥40
Acid Value	mg KOH/g	≤0.03
Dielectric Loss Factors	tgδ(90°C)	≤0.001

BOF-ZYB

Series Vacuum Transformer Oil Regenerating System

APPLICATION

Specially designed for on site use to completely regenerate insulating oils in energized or de-energized transformers. Provide regular oil purification including degassing, drying and particulate removal but also remove acidity, sludge, other soluble oil decay products, and improve color. For special application, the system also can be mounted on a leak proof base or be installed and operated on a trailer.

FEATURES

1. For special application, the operation can be controlled by P.L.C (Programmable Logic Controller).
2. Unique vacuum dehydration, degassification and regeneration system, adopt stereo-evaporation technology. Duplex 3D stereo-evaporation, eliminating the liquid water quickly
3. UK g technology by which the trace water that is show chain, such as dissolved water, can be removed effectively.
4. Advanced infrared liquid-level automatic control system to accomplish fully automatic control.
5. Can be applied for vacuum oiling and drying power transmission equipment.
6. Special additives for depolarization can recover oil color of aged transformer oil to new



TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- BOF-ZYD-I-APLC Fully Automatic Transformer Oil Reclaiming Machine
- BOF-ZYD-I-M Outdoor Mobile Transformer Oil Reconditioning Machine
- BOF-ZYD-I-W Fully Enclosed Transformer Oil Recycling Machine
- BOF-ZYD-I-S Trailer Open Type Transformer Oil Regeneration System
- BOF-ZYD-I-Ex Explosion-Proof Insulating Oil Recycling Unit



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TECHNICAL SPECIFICATION

Item	Unit	BOF-ZYD-1-30	BOF-ZYD-1-50	BOF-ZYD-1-100	BOF-ZYD-1-150	BOF-ZYD-1-200	BOF-ZYD-1-250	BOF-ZYD-1-300	
Flow Rate	L/min	1800	3000	6000	9000	12000	15000	18000	
Vacuum Degree	Mpa	-0.08~ -0.099							
Vacuum Pressure	Mpa	≤ 0.3							
Temperature Range	°C	20~80							
Power Supply		3Ph 380V/60Hz (Or as Needed)							
Normal Working Hour	H	≥ 4000							
Continuous Working Noise	H	150							
Working Noise	dB(A)	75	75	75	75	80	80	80	
Heating Power	Kw	30	30	45	60	75	90	120	
Total Power	Kw	35.5	37.5	52.5	71.4	86.5	102.5	135	
Inlet (Outlet) Caliber	mm	φ25	φ32	φ42	φ50	φ50	φ60	φ60	
Weight	Kg	600	800	1050	1400	1800	2000	2200	
Size L	L	mm	1050	1100	1200	1450	1600	1800	1900
	W	mm	750	800	950	950	1100	1200	1200
	H	mm	1350	1400	1500	1650	1800	1900	1900
Index After Filtering	Breakdown Voltage	Kw	≥70						
	Moisture Content	PPM	≤3						
	Gas Content	%	0.1						
	Impurity Size	μm	≤1 (Customizable)						
	Value β	%	98						

Series ZYM Outdoor Use Mobile Vacuum Transformer Oil Purifier

APPLICATION

Series BOF-ZYM is outdoor usage mobile type transformer oil purifier equipped with trailer which can move long distance, and equipped with weather proof, dust and water resistance enclosure. It is specially designed for purifying transformer oil, mutual inductor oil, switch oil, capacitor oil in field of power transmission and transformation equipment, electric power department and mining enterprises. The process recovers the oil's dielectrics strength, removes water, gases and particulate matter etc.

FEATURES

1. BOF-ZYM Series is outdoor usage mobile type machine, small and hi-efficient. Equipped with trailer, it moves easily and is convenient for outdoor use.
2. New type of electric heating system with high efficiency, low heating load, uniform heating, low energy consumption.
3. Multistage precise filtration system; Decontamination technology combining the molecular adsorption filtration and mesh filter.
4. This machine is highly efficient with stereo multistage vacuum system whose efficiency is higher than that of ordinary vacuum oil purifier by 3-5 times. It is able to remove the water, gases and other mechanical impurities out of the insulating oil, and improve the voltage withstanding strength and oil quality, making sure the power equipment works safely. It also has the function of vacuum oiling.

5. Adopting the automatic infrared liquid level control system, automatic constant temperature control system, automatic bubble elimination control system, automatic pressure protection system, automatic interlock protection system and efficient degassing and water removal system to ensure the equipment working safely with high performance.

6. With novel design, compact structure, easy operation and online oil purification. It can work with nobody watching and be used under any environment.

7. Capable of testing the voltage withstanding condition and printing the results. (BOF-ZYA series)

8. It can be used together with BZ regeneration device to discolor, remove acid, free carbon and lower the dielectric loss. (BOF-ZYB-M series)



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TECHNICAL SPECIFICATION

Item	Unit	BOF-ZYM-6	BOF-ZYM-10	BOF-ZYM-20	BOF-ZYM-30	BOF-ZYM-50	BOF-ZYM-100	BOF-ZYM-150	BOF-ZYM-200	BOF-ZYM-300	
Flow Rate	L/min	6	10	20	30	50	100	150	200	300	
Vacuum Degree	Mpa	-0.06~-0.095									
Working Pressure	Mpa	≤ 0.4									
Temperature Range	°C	20~80									
Normal Working Hour	H	≥ 4000									
Continuous Working	H	150									
Power Supply		380V/50Hz/3 Ph 5 Wire (As Customer's Requirement)									
Working Noise	dB(A)	60	61	63	70	70	75	70	70	70	
Heating Power	Kw	9	11	13	15	30	48	58	70	85	
Total Power	Kw	9.7	12.5	14.5	16.5	33.5	53	65	76	94	
Inlet (Outlet) Caliber	mm	φ20	φ25	φ25	φ25	φ32	φ42	φ50	φ50	φ60	
Weight	Kg	150	230	250	270	300	500	700	900	1100	
Size L	L	mm	970	1050	1100	1150	1200	1600	1600	1800	1900
	W	mm	630	750	850	900	950	1000	1100	1200	1200
	H	mm	900	1300	1400	1450	1500	1800	1800	1900	1900
Index After Filtering	Breakdown Voltage	Kw	≥ 70								
	Moisture Content	PPM	≤ 5								
	Gas Content	%	0.1								
	Impurity Size	μm	≤ 1 (Customizable)								
Value β	%	96									

APPLICATION

BOF-TY adopts technique of gravity settlement, coalescence-separation, absorbing, centrifugal separation, pressure filtering etc. It has great ability of breaking emulsion, dehydration, degassing and removing solid particulates and other impurities from oil. It is an ideal equipment to treat turbine oil, low viscosity lubricating oil and hydraulic oil on-line.

FEATURES

1. Adopt coalescence and separation technique, 3D-Evaporation technical and thin film evaporation technique. Strong ability to break emulsion and remove water from the oil.
2. Optimized electric heating system with automatic constant temperature controller ensures even and stable oil temperature.
3. Precise multi-stage filtration system helps remove different kinds of impurities with high quality filter element of better ability of containing pollutants and long service life
4. Advanced infrared oil level control system and pressure protection device make operation simple and safe.
5. Can purify any kinds of turbine oil used in steam turbine and water turbine online and onsite.

TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- BOF-TY Turbine Oil Purifier Machine
- BOF-TY-A Fully Automatic Turbine Oil Separator Unit
- BOF-TY-M Mobile Turbine Oil Restoration Machine
- BOF-TY-W Fully Enclosed Turbine Oil Purification Plant
- BOF-TY-Ex Explosion-Proof Turbine Oil Filter Machine



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TECHNICAL SPECIFICATION

Item	Unit	BOF-TY-10	BOF-TY-20	BOF-TY-30	BOF-ZYM-50	BOF-TY-100	BOF-TY-150	BOF-TY-200	BOF-TY-300	
Flow Rate	L/min	10	20	30	50	100	150	200	300	
Vacuum Degree	Mpa	-0.06~-0.095								
Working Pressure	Mpa	≤ 0.4								
Temperature Range	°C	20~80								
Power Supply		380V/50Hz/3 Ph 5 Wire (As Customer's Requirement)								
Working Noise	dB(A)	≤65~80								
Normal Working Hour	H	≥4000								
Continuous Working	H	150≤65~80								
Heating Power	Kw	12	15	18	24	45	60	72	84	
Total Power	Kw	14	17	20	27	48	66	81	97	
Oil Outlet / Inlet	mm	Φ25	Φ25	Φ25	Φ32	Φ42	Φ50	Φ50	Φ60	
Weight	Kg	400	450	500	600	800	1000	1100	1550	
Size L	L	mm	1500	1550	1600	1650	1700	1750	1900	2000
	W	mm	800	850	900	950	1000	1200	1300	1350
	H	mm	1600	1650	1700	1750	1800	1800	2000	2100
Index After Filtering	Moisture Content	PPM	≤50							
	Gas Content	%	0.1							
	Demulsification Value	min	≤15							
	Degree Of Cleanliness	NAS	16384							
	Impurity Size	µm	≤1 (Customerizable)							

■ APPLICATION

Purify various kinds of oils such as hydraulic oil, gear oil, engine oil, compression oil, freezer oil, heat treatment oil, compressor oil, refrigeration oil and other industrial oils in metallurgy, machinery, oil field, chemistry, mine, electric power generation plant, transportation and manufacturing enterprises. Remove water, gas, mechanical impurities and other hazardous substances from oil, and improve oil quality, recover its lubricating property and ensure normal operation of equipment.

■ FEATURES

1. Adopt back flushing system which clears impurities automatically.
2. Double primary filter structure, large capacity for holding particles, multi-stage filtration system to ensure high filtration precision
3. Steel filter element, anti-corrosive with high filtration precision and long service life. Large volume for holding impurities.
4. 3D-Evaporation technical and thin film evaporation separates the trace water, soluble water and gas from the oil quickly by the Multi-level water-oil separation technology.



■ TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- BOF-TYA Lubricating Oil Purifier Machine
- BOF-TYA -A Fully Automatic Lubricating Oil Purifier
- BOF-TYA -W Enclosed Lubricating Oil Purifying Unit
- BOF-TYA -Ex Explosion-Proof Hydraulic Oil Cleaning Machine
- BOF-TYD High Water Content Hydraulic Oil Water Separator



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TECHNICAL SPECIFICATION

Item	Unit	BOF-TYA-10	BOF-TYA-20	BOF-TYA-30	BOF-TYA-50	BOF-TYA-100	BOF-TYA-150	BOF-TYA-200	BOF-TYA-300	
Flow Rate	L/min	10	20	30	50	100	150	200	300	
Vacuum Degree	Mpa	-0.06~-0.095								
Working Pressure	Mpa	≤ 0.4								
Temperature Range	°C	0~100								
Power Supply		380V/50Hz/3 Ph 5 Wire (As Customer's Requirement)								
Working Noise	dB(A)	≤65~80								
Normal Working Hour	H	≥4000								
Continuous Working	H	≤150								
Heating Power	Kw	36	40	45	72	80	90	120	134	
Total Power	Kw	38	42	47	75	87	101	135	147	
Oil Outlet / Inlet	mm	Φ25	Φ25	Φ25	Φ32	Φ42	Φ50	Φ50	Φ60	
Weight	Kg	350	380	400	450	550	650	700	750	
Size L	L	mm	1500	1500	1500	1600	1750	1900	1950	2100
	W	mm	1000	1050	1050	1150	1150	1600	1600	1600
	H	mm	1600	1600	1650	1700	1750	1950	1950	2000
Index After Filtering	Moisture Content	PPM	≤50							
	Gas Content	%	0.1							
	Impurity Size	μm	≤1							
	Demulsification value		(Fresh Oil) ≤15 min, (Oil In Operation) ≤ 30mi							
	Degree Of Cleanliness	Degree	≤4 (NAS 1638)							

BOF-TYR

Series Oil Decoloration Machine

APPLICATION

After many years of deep research, our company successfully developed TYR series oil decoloration machine which can quickly removed out impurities and recover the oil color to original color. This machine uses our special additive which is pure natural and has high efficiency. It can treat hydraulic oil, machinery oil, coolant oil, cooking oil, coconut oil in oil field, mine, metallurgy, electricity, transportation, manufacturing, food industry. The treated oil is very clear and transparent. In the whole treatment process, it adopts purely physical treatment without breaking down the components of oils.



Cooking Oil Comparison
Before And After Treatment



Diesel Oil Comparison



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TECHNICAL SPECIFICATION

Parameters	Unit	BOF-TYR-10	BOF-TYR-20	BOF-TYR-30	BOF-TYR-50	BOF-TYR-100	
Flow Rate	L/min	10	20	30	50	100	
Power Supply	dB(A)	380V / 50Hz / 3Phase (Customizable)					
Working Noise	H	≤ 65					
Trouble-Free Working Time	H	≥ 4000					
Continuous Working Time	mm	≥ 15					
Inlet (Outlet) Caliber	Kg	Φ25	Φ25	Φ25	Φ32	Φ42	
Weight	mm	400	500	600	800	1000	
Size	Length mm	mm	1400	1450	1500	1600	2000
	Width mm	mm	1000	1050	1100	1150	1200
	Height mm	L	2000	2050	2100	2200	2600
Guarantee Value	Color	≤ 2					
	Impurity	μm	≤ (Customized)				

■ APPLICATION

After many years of deep research, our company successfully developed TYS series waste oil decoloration vacuum oil purifier machine which can quickly separate gas, water, particulates, free carbon and volatile matters (like alcohol, gasoline, ammonia gas, etc) out from the waste oils. This machine has functions of improving oil quality, recovering the color, viscosity and flash point of used oils. It's can be used as a purification and decoloration equipment to treat hydraulic oil, machinery oil, coolant oil, cooking oil, coconut oil in oil field, mine, metallurgy, electricity, transportation, manufacturing, food industry. The treated oil is very clear and transparent and recover its original properties. In addition, the oil after treatment even can reach the standard of new oil. In the whole treatment process, it adopts purely physical treatment without breaking down the components of oils.



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■ FEATURES

1. Strong purifying ability, removing the fine particles by the fine filtration system with large area and deep level.
2. Automatic back-flushing function: automatically cleaning and purifying a lot of impurities left after treatment.
3. Advanced dielectric absorption cooling system.
4. Pressure protection device, auto heating with temperature control, auto condensed water separating apparatus, drainage in the online operating process, easy to operate, reliable and safe.
5. High quality filter material, large dirt holding capacity, strong corrosion and heat resistance. High mechanical strength, high accuracy of purifying and long service life.
6. Unique degassing and dewatering system: stereoscopic evaporation technology, and multilevel oil water separating technology which can quickly separate water, gas and other impurities from the oils.

■ WORKING PRINCIPLE

In the working process, the polluting oils enter the heater from the inlet under the action of atmospheric vacuum sucking. Then the heated oil flows into the pre-filter device to remove large grains. After that, the oil enter the vacuum separator, flowing past the special divergence apparatus which can make the oil has a huge surface area in the unit volume and let it expose in an low relative humidity environment to cleaning water, air and other gases from the oil. The mixed gases which consist of evaporated water and gases will turn to liquids after condensating through the water tank and cooler. Then the liquids flows into the water receiver and the rest air will be vacuum evacuated from liquids. The oil without water will be transported into the fine filter by the oil drain pump to remove suspending impurities and get the cleaning oil. Acleansing process needs several times of circulating to completely separate the water out and it depends on how much of the moisture content in the oil. The last step, the purified oil will be processed by the decoloring system and change to the new oil.

■ MAIN STRUCTURE

- 1.Purifying system
- 2.Vacuum dewatering system
- 3.Vacuum degassing system
- 4.Decoloring system
- 5.Electronic control system



Cooking Oil Comparison
Before And After Treatment



Diesel Oil Comparison



BOF-TYS

Series Waste Oil Decoloration
Vacuum Oil Purifier



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TECHNICAL SPECIFICATION

Item	Unit	BOF-TYS-10	BOF-TYS-20	BOF-TYS-30	BOF-TYS-50	BOF-TYS-100	BOF-TYS-150	BOF-TYS-200	BOF-TYS-300	
Flow Rate	L/min	10	20	30	50	100	150	200	300	
Working Vacuum Degree	MPa	-0.06~-0.095								
Working Pressure	MPa	≤ 0.4								
Temperature Range	°C	0~100								
Power Supply		380V / 50 / 3Phase (Customizable)								
Working Noise	dB(A)	≤65~80								
Normal Working Hour	H	≥ 4000								
Continuous Working	H	≥ 150								
Working Noise	dB(A)	≤75	≤75	≤75	≤78	≤78	≤78	≤80	≤82	
Electric Heating Power	Kw	36	40	45	72	80	90	120	135	
Total Power	Kw	38	42	47	75	87	101	135	147	
Inlet (Outlet) Caliber	mm	Φ25	Φ25	Φ25	Φ32	Φ42	Φ50	Φ50	Φ60	
Weight	Kg	350	380	400	450	550	650	700	750	
Size	Length	mm	1500	1500	1500	1600	1750	1900	1950	2100
	Width	mm	1000	1050	1050	1150	1150	1600	1600	1600
	Height	mm	1600	1650	1650	1700	1750	1950	1950	2000
Index After Filtering	Water Content	PPM	≤ 50							
	Gas Content	%	0.1							
	Impurity Size	μm	≤ Customizable)							
	Demulsification Value		New Oil ≤ Min, Operating Oil ≤mi							
	Degree Of Cleanliness		≤ 4 (NAS 1638)							
	Color	L	≤ 2							

BOF-TYB

Series Coalescer and Separator Filter Machine



■ APPLICATION

This machine, which can remove large of water without heating, creates the fastest dehydration speed in domestic at present. This machine can quickly separate water from the oil. It is especially for purifying light oil including diesel oil, gasoline as well as. light lubricating oil.

■ FEATURES

1. Adopt special oil water separator which requires no heating offering more than 20 times dewatering efficiency over other types of purifiers.
2. As no heating is needed, the additives in the oil are well prevented from degradation or deterioration.
3. Easy-to-operate, water can be discharged online automatically without the presence of duty operators.
4. Low operation cost, 20%-40% lower than vacuum purifier, centrifugal purifier and filter press.

■ TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- TYB Coalescence-Separation Light Fuel Oil Purifier
- TYB-A Fully Automatic Fuel Cleaning Machine
- TYB-Ex Explosion-Proof Fuel Oil Purifying Machine



**HIGH QUALITY
PRODUCT**



**EXCELLENT
PERFORMANCE**



**HIGH
TECHNOLOGY**

TECHNICAL SPECIFICATION

Item	Unit	BOF-TYB-10	BOF-TYB-20	BOF-TYB-30	BOF-TYB-50	BOF-TYB-80	BOF-TYB-100
Flow Rate	L/min	10	20	30	50	80	100
Working Pressure	MPa	≤ 0.4					
Power Supply	/	380V / 50Hz / 3Ph 5Wire (As Customer's Requirement)					
Working Noise	dB(A)	≤ 65~80					
Normal Working Time	H	≥ 4000					
Continuous Working Time	H	≥ 150					
Total Electric Power	Kw	1.1	1.1	1.1	1.5	2.2	3
Weight	Kg	80	100	120	150	200	220
Index After Filtration	Moisture Content	PPm	≤ 100				
	Filtering Accuracy	µm	≤ 5 (Customerizable)				

BOF-TYD

Series Oil and Water Separator

APPLICATION

BOF-TYD is special designed to treat high water content oils such as lubricant oil, crude oil, engine oil, hydraulic oil, turbine oil, fuel oil, diesel oil and freezing machine oil, as well as other lubricant oil which is equipped with a high effective vacuum dehydration system, with the big capacity to separate a lot of water from the oil. Can not only remove the mass water, but also remove the trace water and impurity with a high precision.

FEATURES

1. High water removal and demulsifying capacity. Remove large amount of water and minimal amount of water from oil.
2. Film evaporation and molecule evaporation technology enable quick demulsifying, and make the turbid and emulsified oil become limpid and clear.
3. The technology is of a lifetime service (above 20 years), which avoid the periodic filter replacement, also reduces the cost of purification and the intensity of work.
4. With strong impurity removing capability, its automatic back-washing filter element can remove large amount of impurities.



HIGH QUALITY
PRODUCT



EXCELLENT
PERFORMANCE



HIGH
TECHNOLOGY

TECHNICAL SPECIFICATION

Item	Unit	BOF-TYD-10	BOF-TYD-20	BOF-TYD-30	BOF-TYD-50	BOF-TYD-100	BOF-TYD-150	BOF-TYD-200	BOF-TYD-300
Flow Rate	L/Min	10	20	30	50	100	150	200	300
Vacuum Degree	MPa	-0.06~-0.095							
Vacuum Pressure	MPa	≤0.4							
Temperature Range	°C	0~100							
Power Supply		380V / 50Hz / 3Ph 5 Wire (As Customer's Requirement)							
Working Noise	dB(A)	≤ 65~80							
Normal Working Hour	H	≥ 4000							
Continuous Working	H	≥ 150							
Heating Power	Kw	36	40	45	72	80	90	120	135
Total Power	Kw	38	42	42	75	87	101	135	147
Oil Outlet / Inlet	mm	Φ25	Φ25	Φ25	Φ32	Φ42	Φ50	Φ50	Φ60
Weight	Kg	350	380	400	450	550	650	700	750
Size	L	mm	1500	1500	1500	1600	1750	1900	2100
	W	mm	1000	1050	1150	1150	1150	1600	1600
	H	mm	1600	1600	1650	1700	1750	1950	2000
Index After Filtering	Moisture Content	PPM	≥ 50						
	Gas Content	%	0.1						
	Impurity size	μm	≤ 1 (Customerizable)						
Degree Of Cleanliness	Demulsification Value		(Fresh Oil) ≤15 min, (Oil in Operation)						
	Degree		≤ 4 (NAS 1638)						

Series Phosphate Ester Fire Resistance Oil Purifier

APPLICATION

BOF-TYF purifies and regenerates the degenerative fire-resistant oil, removing acid, pigment, gas, water and particles. It can be online working and for oil-filling



FEATURES

1. Use of special metal material compatible with fire-resistant oil, combined with technologies of vacuum dewatering, multi-stage filtration system and new adsorbent
2. Stainless steel machine body, pipes and filtering components, reliable, anti-corrosion, durable.
3. Duplex-Stereo film evaporation technology with unique and advanced dewatering, degassing components to effectively remove water, gas, particles and volatile matter.
4. Advanced medium cooling system

TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- BOF-TYF Phosphate Ester Fire Resistant Oil Cleaning Machine
- BOF-TYF-A Fully Automatic Phosphate Ester Fire Resistant Oil Purifier
- BOF-TYF-W Enclosed Phosphate Ester Fluid Conditioning Machine
- BOF-TYF-Ex Explosion-Proof Phosphate Ester Fire-Resistant Oil Purifier



**HIGH QUALITY
PRODUCT**



**EXCELLENT
PERFORMANCE**



**HIGH
TECHNOLOGY**

TECHNICAL SPECIFICATION

Item	Unit	BOF-TYF-10	BOF-TYF-20	BOF-TYF-30	BOF-TYF-50	BOF-TYF-100	BOF-TYF-150	BOF-TYF-200	BOF-TYF-300
Flow Rate	L/Min	10	20	30	50	100	150	200	300
Vacuum Degree	MPa	-0.06~-0.095							
Vacuum Pressure	MPa	≤0.4							
Temperature Range	°C	0~100							
Power Supply		380V / 50Hz / 3Ph 5 Wire (As Customer's Requirement)							
Working Noise	dB(A)	≤ 65~80							
Normal Working Hour	H	≥ 4000							
Continuous Working	H	≥ 150							
Heating Power	Kw	36	40	45	72	80	90	120	135
Total Power	Kw	38	42	47	75	87	101	135	147
Oil Outlet / Inlet	mm	Φ25	Φ25	Φ25	Φ32	Φ42	Φ50	Φ50	Φ60
Weight	Kg	350	380	400	450	550	650	700	750
Size	L	1500	1500	1500	1600	1750	1900	1950	2100
	W	1000	1050	1050	1150	1150	1600	1600	1600
	H	1600	1600	1650	1700	1750	1950	1950	2000
Index After Filtering	Moisture Content	PPM	≥ 5						
	Gas Content	%	0.1						
	Impurity size	μm	≤ 1 (Customerizable)						
	Acid m	KOH/g	≤0.05						
	Degree Of Cleanliness	Degree	≤ 4 (NAS 1638)						

BOF-JL

JL Series Portable Oil Filtration Machine

APPLICATION

BOF-JL series is for oil filling & filtration, applicable to filtrate mechanical oil, hydraulic oil, compressor oil, turbine oil, insulating oil, gasoline and diesel engine oil etc. It can also be used for purifying cooking oil, rape oil, sesame oil, peanut oil, coconut oil etc when it is made of stainless steel filter element. Composed of three-stage precise filters, JL is an ideal substitute of the board-frame oil purifier and the centrifugal oil purifier. It is an ideal equipment to transfer different kinds of oil from one container to another; at the same time the oil goes through filtration process.

FEATURES

1. Small size and portable, easy operated and low-noisy.
2. No need of filter paper, no contamination to ground and at very economical price.
3. It can transfer oil from long distance and high lift.
4. Can be installed with well-sealed anti-explosion electric control cabinet.(optional)

TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- BOF-JL Portable Oil Filtration Unit
- BOF-JL-II Portable Oil Filtration Machine With Heater
- BOF-JL-Ex Explosion-proof Portable Oil Filtering Machine
- BOF-JL-I Portable Oil Purifier Machine With Oil Tank
- BOF-JL-III Three Stage Fine Filtration Oil Purifier



HIGH QUALITY
PRODUCT



EXCELLENT
PERFORMANCE



HIGH
TECHNOLOGY

TECHNICAL SPECIFICATION

Model	Flow Rate (L/Min)	Lift (m)	Filtration Precision	Engine Power (Kw)	Power Supply	Weight
BOF-JL-32	32	20	5	1.1	3PH ,50Hz, 380	15
BOF-JL-50	50	20		1.1		30
BOF-JL-80	80	20		2.2		50
BOF-JL-100	100	20		2.2		80
BOF-JL-150	150	20		3		100
BOF-JL-200	200	20		4		150
BOF-JL-300	300	20		4		200

APPLICATION

BOF-COP is for filtering waste cooking oil, dirty vegetable oil, trench oil, swill oil, animal oil etc. It effectively and completely removes particles, odor, water, acid, alcohol etc. from the waste oil. The treated oil is clean, limpidity, and with good smell. BOF-COP is an ideal purification machine for bio-diesel factory, fried food factory, oil restaurant, cooking oil factory, vegetable oil factory, waste oil collecting store etc. For edible usage of treated oil, we can make BOF-COP of stainless steel.



**HIGH QUALITY
PRODUCT**



**EXCELLENT
PERFORMANCE**



**HIGH
TECHNOLOGY**



FEATURES

1. This plant is mainly composed of two parts: press filter and vacuum oil purifier system. The press filter removes the big or tiny impurities; The precision reaches to 1 Micro. The vacuum system is equipped with filters of three grade (primary filter, masswater separator, and fine filter).
2. The primary filter of stainless steel is anti-rust and anti-corrupt. It mainly removes the residual impurities which escape from the press filter, making sure the treated oil won't have any impurity when it goes into the water separator and vacuum separator.
3. The water separator mainly removes mass water from oil. After the water separator, the oil just contains the tiny water and soluble water.
4. After water separator, oil goes into the vacuum separator which adopts three-dimensional duplex evaporation and film evaporation. The tiny water, soluble water, acid, alcohol, other volatility liquid and so on can be removed completely and effectively.
5. For stainless steel fine filter, the purification hole is less than 1 Micro, which can make sure the filtered oil is completely clear.

TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- BOF-COP Used Cooking Oil Filter Machine
- BOF-COP-S Stainless Steel Cooking Oil Purification Machine
- BOF-COP-Ex Explosion-Proof Cooking Oil Filtration System
- BOF-COP-A Fully Automatic Cooking Oil Filtration Machine
- BOF-COP-W Fully Enclosed Cooking Oil Cleaning Machine

TECHNICAL SPECIFICATION

Item	Unit	BOF-COP-10	BOF-COP-20	BOF-COP-30	BOF-COP-50	BOF-COP-100	BOF-COP-150	BOF-COP-200	BOF-COP-300	
Flow Rate	L/Min	10	20	30	50	100	150	200	300	
Vacuum Degree	MPa	-0.06~-0.095								
Vacuum Pressure	MPa	≤0.4								
Temperature Range	°C	0~100								
Power Supply		380V / 50Hz / 3Ph 5 Wire (As Customer's Requirement)								
Working Noise	dB(A)	≤ 65~80								
Normal Working Hour	H	≥ 4000								
Continuous Working	H	≥ 150								
Working Noise	dB(A)	≤ 75	≤ 75	≤ 75	≤ 78	≤ 78	≤ 78	≤ 80	≤ 82	
Heating Power	Kw	36	40	45	72	80	90	120	135	
Total Power	Kw	38	42	47	75	87	101	135	147	
Oil Outlet / Inlet	mm	36	40	45	72	80	90	120	135	
Weight	Kg	350	380	400	450	550	650	700	750	
Size	L	mm	1500	1500	1500	1600	1750	1900	1950	2100
	W	mm	1000	1050	1050	1150	1150	1600	1600	1600
	H	mm	1600	1600	1650	1700	1750	1950	11950	2000
Index After Filtering	Moisture Content	PPM	≥ 50							
	Gas Content	%	0.1							
	Impurity size	μm	≤ 1 (Customerizable)							
	Demulsification Value		(Fresh Oil) ≤15 min, (Oil in Operation) ≤30 mi							
	Degree Of Cleanliness		≤ 4 (NAS 1638)							

BOF-EOS

Series Engine Oil Distillation System

APPLICATION

BOF-EOS waste oil distillation plant is a newly developed product which combines dozens of our latest technologies. It is applied to treat used engine oil, heavy fuel oil, tire pyrolysis oil, hydraulic oil, gear oil, transmission oil etc., it is able to rapidly extract light and heavy distillates from different fractions by given different temperatures control along with our own formulated catalyst compound. It can also remove the Metallic Compound, Base Nitrogen, Sulfur etc. from distilled oil during Re-refining process. The end product after distillation could be adjusted into either new base oil or diesel fuel according to the customer demands. BOF-EOS Waste Oil Distillation Plant adopts our exclusive patent Full-Bridge Rectification & Electromagnetic Eddy Current Heating technologies, combines with our unique Macromolecular Bubbling decoloration and Membrane Crystallization Separation patents. The entire plant applies the pure physical working principle, even heating and self-balancing flow, it has no damaging of oil substances.



HIGH TECHNOLOGY



EXCELLENT PERFORMANCE



HIGH QUALITY PRODUCT



TECHNICAL SPECIFICATION

Item	Unit	BOF-EOS-5	BOF-EOS-10	BOF-EOS-15	BOF-EOS-20	BOF-EOS-30	BOF-EOS-50	BOF-EOS-80	
Capacity	Ton /Day	5	10	15	20	30	50	80	
Flow Rate	L/h	208	420	625	833	1666	2083	3333	
Related Power	Kw	80	120	200	230	330	530	630	
Vacuum Degree	MPa	≤ -0.06-0.098							
Working Oil Temp.	°C	150-450							
Working Power	V/Hz	380V / 415V / 480V (3 Phase) / 50 / 60Hz							
Noise	dB(A)	≤60							
Heating Method		Electricity / Natural Gas / Gasoil / Coal / Power							
Weight	Kg	9500	14000	23000	26000	28000	30000	60000	
Size L	L	mm	12000	12000	13000	14000	15000	18000	20000
	W	mm	2000	3500	4000	4000	4500	5000	6000
	H	mm	6500	7000	7500	8000	8500	9500	11000

■ APPLICATION

BOF-ZKCC is used for producing vacuum condition for various equipment. Its vacuum pressure can reach much lower than any other products in the same field. It is widely used in vacuuming process in the production, installation and maintenance of many electric power equipment, like electric power transformer, capacitor etc. and is also used in the technical process of industrial production such as vacuum drying, vacuum distillation, vacuum welding, vacuum coating etc.

■ FEATURES

1. The machine adopts special Roots pump and vacuum pump so the vacuum pumping speed and pressure are obviously better than any other devices.
2. Working vacuum range and maximum vacuum degree are superior to other products.
3. Installed with special vacuum gauge for accurate indication.
4. Adopts automatic vacuum relay for automatic control.
5. Stable and reliable operation, low noise, and easy to move.

■ TO MEET CUSTOMERS SPECIAL NEEDS, WE DEVELOPS

- 1. ZKCC Vacuum Pump Unit
- 2. ZKCC-W Enclosed Vacuum Pump Set



**HIGH QUALITY
PRODUCT**



**EXCELLENT
PERFORMANCE**



**HIGH
TECHNOLOGY**

TECHNICAL SPECIFICATION

Model	BOF-ZKCC-30	BOF-ZKCC-70	BOF-ZKCC-150	BOF-ZKCC-300	BOF-ZKCC-600	BOF-ZKCC-1200
Pumping Speed (L/S)	30	70	150	300	600	1200
Pumping Speed (m ³ /h)	108	252	540	1080	2160	4320
Ultimate Partial Pressure (Pa)	5x10 ⁻²	5x10 ⁻²	5x10 ⁻²	3x10 ⁻²	3x10 ⁻²	1x10 ⁻¹
Ultimate Partial Pressure (Torr)	3.7x10 ⁻⁴	3.7x10 ⁻⁴	2x10 ⁻⁴	2x10 ⁻⁴	2x10 ⁻⁴	8x10 ⁻⁴
Total Electric Power (Kw)	1.85	2.6	5.2	9.5	18.5	33
Main Pump Type	ZJP-30	ZJP-70	ZJP-150	ZJP-300	ZJP-600	ZJP-1200
Front Stage Pump Type	2X-8	2X15	2X-30	2X70	2X-70X20	2X-70X4
Wire Size of Power Supply Input ≥(mm ²)	1	1.5	3	4	6	8
Power Supply	50 Hz 380V (3Phasa, 4Wire Can Be Customized)					
Intake Connection (mm)	DN50	DN80	DN100	DN160	DN200	DN250
Exhaust Connection (mm)	DN34	DN60	DN70	DN90	DN70	DN90
Overall Dimensions (cm)	73x46x100	79x55x120	105x60x135	132x78x150	145x86x201	168x100x269

BOF-GF-LD

Tubular Separator

APPLICATION SCOPE

BOF-GF-LD Tubular Separator is used for separating various liquids that are difficult for separation, especially adapt for liquid-liquid separation, liquid-liquid-solid separation, liquid-solid separation. It's widely used in pharmacy, healthy food, drinks and chemical industries, etc. Such as transformer oil, edible oil, turbine oil, lubricating oil, vegetable oil, fuel, grease, saponification, all kinds of powder, and sugar paste. It also can be used in separating blood plasma of biological leechdom, extracting blood plasma from animal's blood; refining soaking placenta, multi-phenol tea, and concentrated phosphatide from soybeans; purifying ejiao; separating oil and handling sewage, various kinds of medicine, etc

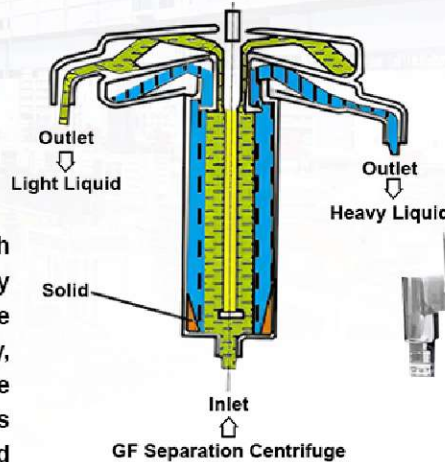
MAIN FEATURES

The high speed Tube separator is the equipment works with high separation factor and capacity, little space and easy operation, with low noises, it is extremely convenient to maintain.

WORKING PRINCIPLE

This decanter is a high-speed separator with strong separating capacity, as an intermittently operated centrifugal equipment, composed of the main body, driving unit, bowl, liquid collector tray, and feed liquid bearing seat. The upper part of the bowl is the flexibility spindle and the lower part is the floating damper bearing. The spindle is coupled by coupling seat buffer and the driven wheel.

The motor passes the dynamic force to the driven wheel through driving strap and tension pulley, thus for the bowl to rotate around its own axis at high speed, to form a strong centrifugal force field. The material is injected inside from the liquid inlet on the bottom. The centrifugal force compels the material liquid to flow upwards along the inner wall of bowl, and to be separated due to densities of different ingredients of material liquid. BOF-GF model is a separating equipment where there the liquid phase of large density is formed into outer ring and the liquid phase of small density is shaped into inner ring, to flow to the top of bowl, to be discharged out from their respective liquid outlets. The micro solids settle on the wall of the bowl and are to be manually discharged after the machine is shut down.



TECHNICAL SPECIFICATION

Item Model		BOF-GF-80	BOF-GF-105	BOF-GF-125	BOF-GF-150
Drum	ID (mm)	75	105	125	147
	Height (mm)	450	730	730	730
	Sedimentation Volume (L)	2.67	6	8	10
	Max Speed (r/min)	21000	9000	17500	16000
	Max Separation Factor	22500	21000	21000	21000
	Inlet Nozzle Diameter (mm)	3 / 4 / 6	4 / 6 / 8	6 / 8 / 10	8 / 10 / 12
	Material Inlet Pressure (MPa)	≥0.05			
	Capacity (Water Capacity) L/H	260	1600	2200	3200
	Actually Capacity L/H (According To The Solid Content)	50-80	300-500	500-700	800-1000
Motor Model	3 Phase Two Pole Motor				
Motor Power (Kw)	1.5	2.2	3	3	
Machine Dimension (mm)	500x700x1300	600x1000x1600	600x1000x1600	600x1000x1600	
Machine Weight (Kg)	300	490	490	510	

APPLICATION SCOPE

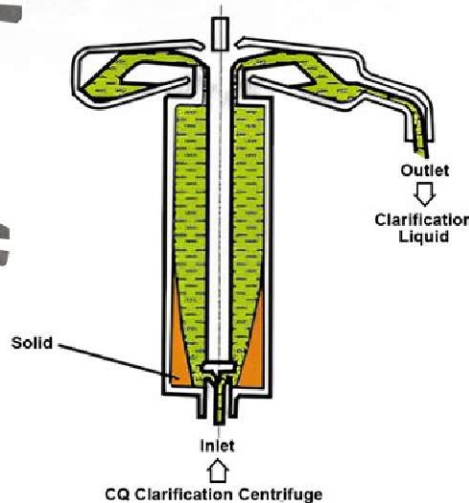
BOF-GQ-LD Tubular Separator is mainly used for separating all kinds of suspension which is difficult to be separated, especially suitable for separation of solid-liquid suspension with light concentration, heavy viscosity, fine particles and very small differential gravity of the two phases. such as clarification of herbs&plants extracts, various medicine liquor ,liquid medicine, oral liquid, the extraction of paint, dye, as well as various proteins, alga, fruit gels, and purification of rubber solution, coal tar,graphite,saponin, pectin, sirup, vaccine mycelia and all kinds of glucose; refining resin, and latex solution, enzyme (SOD) of oxide, various kinds of albumens, the glucoside of the soap,etc.

MAIN FEATURES

The high speed Tubular separator is the equipment that works with high separation factor and capacity, little space and easy operation, with low noises, it is extremely convenient to maintain.

WORKING PRINCIPLE

The Separator consists of machine body,driving part, bowl, liquid collecting tray and liquid inlet bearing seat etc. On top of the bowl is the flexible spindle and at the bottom is the damping floating bearing. The spindle is coupled with driven wheel by buffer on the coupling seat. The motor transmit power to the driven wheel through drive belt and tension wheel, thus for the bowl to rotate around its own axis at high speed, to form a strong centrifugal force field. The material is injected inside from the liquid inlet at the bottom, and the centrifugal force compels the clarification liquid to flow upwards along the inner wall of bowl,and the clarification liquid flows out from the outlet. The solid deposit in the bowl,and it will be discharged by manual after the machine is shut down.



HIGH QUALITY
PRODUCT



EXCELLENT
PERFORMANCE



HIGH
TECHNOLOGY



TECHNICAL SPECIFICATION

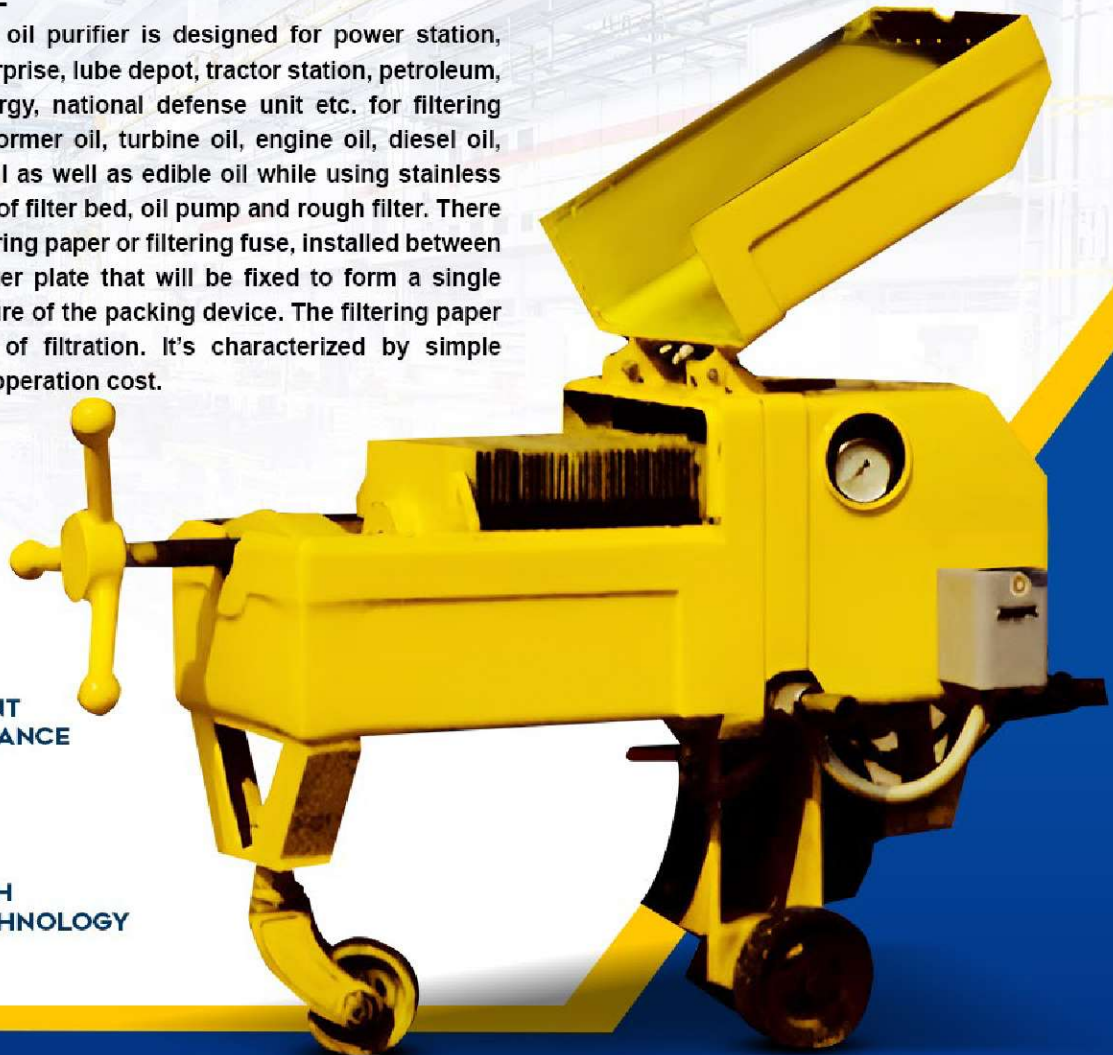
Item Model		BOF-GQ-80	BOF-GQ-105	BOF-GQ-125	BOF-GQ-150
Drum	ID (mm)	75	105	125	147
	Height (mm)	450	730	730	730
	Sedimentation Volume (L)	2.67	6	8	10
	Max Speed (r/min)	21000	9000	17500	16000
	Max Separation Factor	22500	2100	21000	21000
	Inlet Nozzle Diameter (mm)	3 / 4 / 6	4 / 6 8	6 / 8 /10	8 / 10 / 12
	Material Inlet Pressure (MPa)	≥0.05			
	Capacity (Water Capacity) L/H	260	1600	2200	3200
	Actually Capacity L/H (According To The Solid Content)	50-80	300-500	500-700	800-1000
Motor Model	3 Phase Two Pole Motor				
Motor Power (Kw)	1.5	2.2	3	3	
Machine Dimension (mm)	500x700x1300	600x1000x1600	600x1000x1600	600x1000x1600	
Machine Weight (Kg)	300	460	490	510	

BOF-GF-LD

Tubular Separator

APPLICATION SCOPE

BOF-PL series plate pressure oil purifier is designed for power station, electricity factory, mineral enterprise, lube depot, tractor station, petroleum, chemical engineering, metallurgy, national defense unit etc. for filtering water and impurities of transformer oil, turbine oil, engine oil, diesel oil, kerosene, aviation hydraulic oil as well as edible oil while using stainless steel. The machine is made up of filter bed, oil pump and rough filter. There are filtering media such as filtering paper or filtering fuse, installed between the plastic 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 play a role of filtration. It's characterized by simple structure, easy operation, low operation cost.



HIGH QUALITY PRODUCT



EXCELLENT PERFORMANCE



HIGH TECHNOLOGY

TECHNICAL SPECIFICATION

Model		BOF-PL-30	BOF-PL-50	BOF-PL-100	BOF-PL-125	BOF-PL-150	BOF-PL-200	BOF-PL-300	
Flow Rate	L/min	30	50	100	125	150	200	300	
Working Pressure	MPa	0-0.5							
Filtering Area	≥m ²	0.3	0.39	1.3	1.54	1.89	2.01	3.1	
Pressurized		Manual							
Filter Room Number		11	13	10	12	14	18	23	
Filter Plate Number		12	14	11	13	15	19	24	
Oil Pump	Flow Rate	L/min	>30	>50	>100	>125	>150	>200	>300
	Pressure	MPa	0.6						
Power Supply		380V, 3Ph, 50Hz							
Motor	Power	Kw	1.1		3		4		5.5
	Revolution	r/min	1400						
Filter Accuracy		≥1 μ							
Filter Paper Size		mm	185x190			285x290			
Pipe Diameter	Inlet	mm	32	32	44	44	50	50	65
	Outlet	mm	25	25	32	32	44	44	50
Volume	L	mm	700	750	900		1100		1300
	W	mm	300			400			
	H	mm	720	840			1000		
Weight	Kg	76	86	130	180	210	230	280	

■ INTRODUCTION

Series BOF-HFD horizontal closed automatic filtering machine is a kind of precision purification equipment with high efficiency, energy saving and automatic closed filtration. It is widely used in chemistry, petroleum, food, pharmaceutical and other industries.

■ MAIN FEATURES

1. completely closed, no leakage, no environmental pollution;
2. automatic pulling structure of filtering mesh, convenient for observation and cleaning;
3. double filtration, big filtration area, large amount of slag;
4. vibration tapping, which reduces labor intensity;
5. hydraulic control, which achieves automatic operation; and
6. the equipment can be used as a filtering system with large capacity and large area.

■ MAIN FEATURES

1. recovery of dry filter cake, semi-dry filter cake and clarification filtration;
2. chemistry: sulfur, aluminum sulfate, composite aluminum, plastic, dye intermediates, bleach, lubricant additives, polyethylene;
3. food industry: sugar juice, oil, dewaxing, decoloration and degreasing.



HIGH QUALITY
PRODUCT



EXCELLENT
PERFORMANCE



HIGH
TECHNOLOGY

TECHNICAL SPECIFICATION

Area (m ²)	Diameter of Cylinder Body (mm)	Working Pressure (MPa)	Working Temp. (°C)	Processing Capacity (T/h.m ²)		
				Oil	Resin	Beverage
5, 10, 15, 20	900, 1000	0.4	150	1-6	2.5-15	5-30
25, 30, 35, 40, 45	1200, 1300	0.4	150	5-13	12-39	24-78
50, 60, 70, 80, 90	1400, 1500	0.4	150	10-55	25-165	50-230
100, 120	1600, 1800	0.4	150	20-72	50-180	100-360

BOF-VFD

Series Vertical Closed Automatic Oil Purifier

■ APPLICATION

Its filtering cost is greatly reduced by the filter mesh plate of unique design and noneed of filter paper or filter. And its fully enclosed filtration help avoid pollution and oil loss. The vibrating slags falling greatly lowers work intensity thus achieve continuous operation. Also the auto valve slugging reduces the workers' labor intensity a lot.

■ PRINCIPLES OF FILTRATION AND SCOPE OF APPLICATION

- Metal mesh + filter aid + pressure.
- Metal mesh is composed of a multilayer mat type meshes and frames.
- During pressing, bleaching agent forms a filter conductive layer on the halftone to achieve normal filtration.
- Suitable for bleaching filtration and crude oil filtration of salad oil, cooking oil and other kinds of oil.



**HIGH QUALITY
PRODUCT**



**EXCELLENT
PERFORMANCE**



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TECHNICAL SPECIFICATION

Model	Capacity	Dimension (LxWxH) mm
BOF-VFD-10	1.5 to 3	1100x1085x2300
BOF-VFD-12	1.5 to 4	1580x1100x2500
BOF-VFD-15	2 to 5	1680x1185x2500
BOF-VFD-20	3.5 to 6	1680x1185x2800
BOF-VFD-25	4 to 7	1780x1285x2800
BOF-VFD-30	4.5 to 8	1880x1385x2800
BOF-VFD-36	5 to 9	1880x1385x3070
BOF-VFD-46	6.5 to 11	1980x1485x3200
BOF-VFD-52	7.5 to 13	2080x1585x3300
BOF-VFD-60	8.5 to 15	2180x1685x3420
BOF-VFD-70	9.5 to 16	2380x1685x3420
BOF-VFD-80	10.5 to 18	2380x1785x3530
BOF-VFD-90	11.5 to 21	2380x1885x3730

Series Hydraulic Cast Iron Plate And Frame Press Filter

INTRODUCTION

Filter Press is usually used in all kinds of suspension liquid for separating solid and liquid, such as food, environmental protection light industry, medicine, chemical industry, metallurgy, petroleum industry, etc. Oil filter press, as the name suggests, is widely used in oil industry.

Oil filter press is important equipment in oil mill plant which is quite suitable for clearing and filtering the different plant rude-oil, also it could clear the waste water, waste cooking oil. Use the smaller mesh filtering cloth, which could be used for clearing the bio-diesel oil .



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TECHNICAL SPECIFICATION

Technical Parameters of 450-Jack Compress Iron Frame 450-Jack Compress Iron Van Filter

Model Specification	Filtration Area (m ²)	Frame Size (mm)	Flitch Thickness (mm)	Plate Number (pcs)	Frame Number (pcs)	Volume Filter Room (L)	Dimension (LxWxH)mm	Filter Pressure (Mpa)	Whole Weight (Kg)	Foundation Size (mm)			
										L	B	A	H
BOF-BAMQ4/450-25	4	450*450	25	9	10	51	1450*870*880	0.8	1100	1110	300	420	520
BOF-BAMQ6/450-25	6			14	15	76	1700*870*880		1330	1360			
BOF-BAMQ8/450-25	8			19	20	102	1950*870*880		1550	1610			
BOF-BAMQ10/450-25	10			24	25	127	2200*870*880		1775	1850			
BOF-BAMQ12/450-25	12			29	30	152	2450*870*880		2000	2110			
BOF-XAMQ4/450-25	4			450*450	25	9	10		51	1450*870*880			
BOF-XAMQ6/450-25	6	14	15			76	1700*870*880	1260	1360				
BOF-XAMQ8/450-25	8	19	20			102	1950*870*880	1500	1610				
BOF-XAMQ10/450-25	10	24	25			127	2200*870*880	1725	1850				
BOF-XAMQ12/450-25	12	29	30			152	2450*870*880	1930	2110				

TECHNICAL SPECIFICATION

Technical Parameters of 630-Hydraulic Clamping Iron Van Filter

Model Specification	Filtration Area (m ²)	Frame Size (mm)	Flitch Thickness (mm)	Plate Number (pcs)	Frame Number (pcs)	Volume Filter Room (L)	Dimension (LxWxH)mm	Filter Pressure (Mpa)	Whole Weight (Kg)	Foundation Size (mm)			
										L	B	A	H
BOF-BAMY20/630-25	20	630*630	25	24	25	248	3300*1200*1100	0.6	4200	2490	500	520	820
BOF-BAMY25/630-25	25			30	31	312	3600*1200*1100		4900	2790			
BOF-BAMY30/630-25	30			37	38	377	3900*1200*1100		5600	3090			
BOF-BAMY20/630-25	20	630*630	30	24	25	298	3300*1200*1100	0.6	4250	2490	500	520	820
BOF-XAMY25/630-25	25			30	31	375	3600*1200*1100		4825	2790			
BOF-XAMY30/630-25	30			37	38	452	3900*1200*1100		5400	3090			

TECHNICAL SPECIFICATION

Technical Parameters of 800-Hydraulic Clamping Iron Van Filter

Model Specification	Filtration Area (m ²)	Frame Size (mm)	Flitch Thickness (mm)	Plate Number (pcs)	Frame Number (pcs)	Volume Filter Room (L)	Dimension (LxWxH)mm	Filter Pressure (Mpa)	Whole Weight (Kg)	Foundation Size (mm)			
										L	B	A	H
BOF-BAMY40/800-25	40	800*800	25	30	31	496	3750*1380*1300	0.5	7000	2640	500	710	870
BOF-BAMY50/800-25	50			38	39	624	4200*1380*1300		7800	3080			
BOF-BAMY60/800-25	60			46	47	752	4600*1380*1300		9200	3520			
BOF-BAMY70/800-25	70			54	55	880	5050*1380*1300		11800	3920			
BOF-XAMY40/800-30	40	800*800	30	30	31	595	3820*1450*1300	0.6	7600	2910	500	710	870
BOF-XAMY50/800-30	50			38	39	749	4300*1450*1300		9000	3390			
BOF-XAMY60/800-30	60			46	47	902	4780*1450*1300		10350	3870			
BOF-XAMY70/800-30	70			54	55	1056	5260*1450*1300		11800	4350			

BOF-BAS

Portable Type Stainless Steel Filter Press

INTRODUCTION

The stainless steel filter of our company is made of high-quality stainless steel material of 321, 304 and 316, which is erosion-resisting with long service life and can be filtered in low-precision, middle-precision and high-precision according to different filtering medium and production processes. The micropore filter membrane can achieve the goal of aseptic processing. Furthermore, the material can meet the production requirements by increasing or reducing the number of the filtering layers according to the amount of the treatment. The sealing components are made of medical silicone rubber which is high temperature resistant, non-poisonous, no leakage and has a good sealing performance.

The product is widely used in industries of pharmaceutical, chemistry, food, beverage, water processing, brewing, petroleum, dyeing, and pro-environment. The product is ideal equipment for filtering, clarifying and purifying liquid.



**HIGH QUALITY
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TECHNICAL SPECIFICATION

Model	Filtering Area (m ²)	Filtering Plate		Filtration Pressure MPa	Millingpore Filter membrane μm	Water Flow Rate t/n	Motor	
		Overall mm	Layer Number				Power Kw	
BOF-BAS10c..φ100..11	0.06	φ100	11	0.5	0.8	0.8	0.75	
BOF-BAS10c..φ150..11	0.15	φ150	11	0.5	0.8	1.5	0.75	
BOF-BAS10c..φ200..11	0.27	φ200	11	0.5	0.8	2	1.1	
BOF-BAS10c..φ300..11	0.6	φ300	11	0.5	0.8	4	1.1	
BOF-BAS10c..φ400..11	1.1	φ400	11	0.5	0.8	6	1.5	
BOF-BAS10c..φ400..17	1.8	φ400	17	0.5	0.8	10	1.5	
BOF-BAS10c..φ200..21	0.54	φ200	21	0.5	0.8	4	1.1	
BOF-BAS10c..φ300..21	1.2	φ300	21	0.5	0.8	8	1.1	
BOF-BAS10c..φ400..21	2.3	φ400	21	0.5	0.8	12	2.2	
BOF-BAS10c..φ400..31	3.5	φ400	31	0.8	0.8	17		
BOF-BAS10c..φ400..41	4.7	φ400	41	0.8	0.8	22		
BOF-BAS10c..φ400..51	5.8	φ400	51	1	0.8	26		

Horizontal Paper Plate Precision Filtering Machine / Stainless Steel Filtering Machine Filter

DESCRIPTION

Series BOF-VFD-II horizontal paper plate precision filtering machine is a kind solid-liquid separation equipment of high efficiency, energy saving, precision, clear filtration with closed operation. It is widely used in chemistry, petroleum, food, oil, pharmaceutical and other industries.

Properties of applicable object: material having requirements on weak corrosion and high hygiene.

APPLICATION SCOPE

Beverage: beer, fruit juice, wine, milk, etc..

Food: oil, dewaxing, degreasing, bleaching, vinegar, sweet syrup, etc..

Medicine: hydrogen peroxide, vitamins, etc..

Other: purification of air, water, etc.

APPLICATION SCOPE

The filtering machine works in a closed cylinder body and is composed of a plurality of filter plates arranged horizontally with filter paper clipped in the middle thereof. It filters in a pressure way in a closed container relying on filter paper as filter medium. During the filtration, the liquid to be filtered is input into the filter body by a delivery pump and enters between two layers of filter plates along a hole on the outer circumference of the filter plate. The liquid to be filtered flows into the center channel of the filter plate passing through the filter paper and supporting plates with holes, and then flows out from the output on the bottom of the filter body. After filtration, the remaining liquid in the filter machine by the compressed air.



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TECHNICAL SPECIFICATION

Model	Diameter of Cylinder Body (mm)	Working Pressure (Mpa)	Working Temperature (°C)	Filtering Area (m ²)	Diameter Of Inlet & Outlet	Treatment Capacity	Overall ϕ x H
BOF-VFD-II-1.5	400	≤ 0.3	≤ 150	1.5	Dg40	2	670x975
BOF-VFD-II-3	600			3	Dg40	4	970x1285
BOF-VFD-II-5	800			5	Dg40	7	1100x1800
BOF-VFD-II-7	800			7	Dg40	10	1100x1935
BOF-VFD-II-10	900			10	Dg65	13	1300x2000
BOF-VFD-II-12	900			12	Dg65	15	1300x2160

OIL STORAGE TANK



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■ APPLICATION SCOPE

- 1: Skid (stationary) Mounted
- 2: Trailer Mounted
- 3: Truck Mounted

Oil storage tanks are further classified based on the capacity (Volume) ranging from 1000 Liters to above 30000 Liters. The oil tank protects the oil not to be polluted by moisture, reduces oil oxidizing in air and the oil evaporation loss. It can store transformer oil, diesel fuel oil, lubricating oil etc. It is also a great partner for oil filtration machine.

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