

Hangyu Oil Purifier Catalogue

ISO9001:2000 INTERNATIONAL QUALITY

AUTHENTICATION ENTERPRISE

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ZJA Series Double-stage High-Vacuum Oil Purifier



Utilized the domestic and foreign technique and innovatively designed, the filter has a good ratio of price-performance. With the advantages of high working vacuum, high filtration speed, oil quality protection, the filter advanced the oil treatment technique and equipment performance and once can raise the puncture voltage up to over 35V. The series products can be installed by sealed regular or movable with a trailer, so it is suitable to treat oil, fill oil in vacuum chamber and circulating dry hot-oil when large transformer is being installed and overhauled.

Moreover, we can also provide customers with three-stage high-vacuum oil-filter so as to get higher vacuum and to meet your higher requirement for oil-treatment.

Features of product

- 1.This series have one pot with two-stage vacuum-segregating space, it come into being different pressure so as to keep oil line balance between two stages.
2. The pump of this product is adopted vacuum-pump imported from Europe, which have preceding level in the world, and with high air pump speed so as to get high working vacuity.
- 3.As the new technology, vacuum-segregating (Patent No. ZL200420061085.6) employs particular spinning disk and stainless steel machine with dehydration and air pump so that enlarge the area of segregating and coming to three-dimensional evaporation.
- 4.Using new type of heating equipment (Patent No. ZL02276238.8), it can reduce heating burthen and extend oil life.
5. Oil level control adopt photoelectric way which the main components is imported from Switzerland and have features of sensitive control, exactitude so much as feel the spume of oil, mount the equipment to prevent superhigh and superlow oil level. Spurting oil phenomena is never appeared. (Spurting prevention Patent No. ZL200420060973.6)
6. As the client's requirement, they could choose equipment which their components were all or partly imported from overseas. Include touching screen and flow gauge is can be selected according to customers. This series could meet different kinds of customer's need.
- 7.It equips filter assemblies imported from U.S.A. and it has large filtering area, strongly absorbent-dirt capability, high filtering precision.

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8. Whether clients choose the oil pump from domestic or abroad, they all must be airproofed by our factory, moreover running without noise and leakage. extended oil life.

Item	Name of Parameter	Type Unit	ZJA1.8KY	ZJA3KY	ZJA6KY	ZJA9KY	ZJA12KY	ZJA18KY
Technical parameter of the product	Nominal flow capacity	L/min	30	50	100	150	200	300
	Working Vacuity	Pa	≤100(Double-Stage)		≤50(3-Stage)			
	Working pressure	Mpa	≤0.35					
	Working temperature of Oil	°C	45-65					
	Working power		50Hz 380V 3-Phase 4-Wire					
	Total electric power	KW	18+2.25	30+6	2X30+6.6	3X30+8.2	4X30+10	5X30+16.5
	Diameter of inlet outlet hose	mm	32 / 25	38 / 32	44 / 38	48 / 44	64 / 48	76 / 64
	Appearance dimension	cm	110x95x150	160x120x210	195x145x220	200x160x230	205x160x230	215x165x240
Weight of product	Kg	650	900	1200	1600	2200	3000	
Oil treatment index	Oil Puncture Voltage	KV	≥70(Double-Stage)		≥75(3-Stage)			
	Water content	ppm	≤3(Double-Stage)		≤2(3-Stage)			
	Air content	%	≤0.2(Double-Stage)		≤0.1(3-Stage)			
	Filtration accuracy	µm	≤5(Double-Stage)		≤3(3-Stage)			

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ZJ Series vacuum air pump set



Vacuum air pump set is mainly used to draw out air in the container and make the container to attain high vacuity; simultaneity can dry equipment in vacuum. The vacuum air pump is provided with characteristics to startup fleetly, draw out greatly etc. And can be used I the fields of smelting in vacuum, welding, pharmacy and electrical vacuum equipment, especially suited to draw out the transformer.

Features of Product

1. Simple configuration and convenient in operation.
2. The fore pump adopts the original vacuum pump imported from Europe, and customer would choose the imported Roots pump or homemade ones according to their purchase capacity. The pumps have high pump speed so that attain high working vacuity.
3. Equip in-line filter could keep large impurities out of equipment and prevent damaging the vacuum pump.
4. The standard model of plants is closed type so that using outside easily and have nice appearance.

Name of Parameter	Typ Unit	ZJ-70	ZJ-150	ZJ-300	ZJ-600	ZJ-1200
Working power supply		3-Phase 4-Wire				
power	KW	4	6.5	7	11	18.5
Limit vacuity	Pa	≤5	≤5	≤5	≤5	≤5
Air pump Speed	L/S	70	150	300	600	1200
Air pump		2	2	2	2	2

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level						
Appearance dimension	mm	1200x950x1500	1300x1000x1600	1400x1100x1700	1600x1200x1900	1750x1300x2100
Weight	Kg	300	400	500	1250	1560

ZJB Series High-Efficient Vacuum Oil Purifier



With the advantages of being compact in structure, simple in operation, convenient in maintenance and low in application cost, the series are new necessary products used in power mining enterprises, especially when their oil are used in electric equipments, such as transformer, mutual inductor and switch etc. The purifier can remove free water, free air and particulate contamination, and can make the filtered oil reach or be close to the standard of the new oil. The product could also be operated together with BJ-series to treat aging and waste oil. So it is your ideal assistant without doubt!

Features of Product

1. Simple in operation, convenient in moving and high efficient in oil treatment.
2. As the new technology, vacuum-segregating (Patent No. ZL200420061085.6) employs particular spinning disk and stainless steel machine with dehydration and air pump and enlarges the area of segregating and coming to three-dimensional evaporation so that obtain the enough time to boil away. In this way purifier could achieve the best effect.
3. Using new type of heating equipment (Patent No. ZL02276238.8), it can reduce heating burthen and extend oil life.
4. Oil level control adopt photoelectric way which the main components is imported from Switzerland and have features of sensitive control, exactitude so much as feel the spume of oil. Spurting oil phenomena is never appeared.
5. With advantages of no leakage, low noise and long using life, this series of products adopt special input-oil pump which be airproofed by our factory.

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6. In order to meet customer's needs of choosing right filter, we have scientific design and exact filter assemblies which could exchange by ones abroad. Both cost and oil disposal effect are good.

Item	Name of Parameter	Type Unit	ZJB0.42 KY	ZJB0.9 KY	ZJB1.8 KY	ZJB3 KY	ZJB4.8 KY	ZJB6 KY	ZJB9 KY	ZJB12 KY	ZJB18 KY
Technical parameter of the product	Nominal flow capacity	L/min	7	15	30	50	80	100	150	200	300
	Limit vacuity	Pa	≤90								
	Working Vacuity	pa	≤400								
	Working pressure	Mpa	≤0.35								
	Working temperature of Oil	°C	50-65								
	Working power		50Hz 380V 3-Phase 4-Wire								
	Total electric power	KW	3.6+0.75	9+1.5	12+1.5	30+3	2x18+3	2x30+4.4	3x30+6	3x30+7	4x30+11
	Diameter of inlet outlet hose	mm	25/16	32/25	32/25	38/32	38/32	44/38	48/44	64/48	76/64
	Appearance dimension	cm	65x50 x90	110x95 x140	110x95 x140	155x100 x180	160x120 x210	175x120 x210	200x135 x220	210x135 x220	220x140 x230
	Weight of product	Kg	60	120	200	500	600	800	1000	1500	2500
Oil treatment index	Oil Puncture Voltage	KV	≥65								
	Water content	ppm	≤5								
	Air content	%	≤0.25								
	Filtration accuracy	μm	≤5								

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ZJC-T Series Vacuum Oil Purifier special for Turbine Oil



When various machine aggregates of steam turbine, hydraulic turbine are in operation, and their turbine oil which used to cool, lubricate and regulate the speed is easily to be contaminated and form more moisture, impurities, emulsifying etc, which badly damage the security and the lifetime of equipment. And traditional treating way can not solve problems efficiently but cause waste and environmental pollution. After being studied for years, we developed the technique of subsidence of the oblique plate, rotary separation flowing in vacuum and depth filtration in grade. The 5th generation special vacuum oil purifier in Gold can fast damage emulsifying, remove water, air and impurities thoroughly, and also make the turbine oil clear, improve maintenance level of machine aggregates.

Features of Product

1. As the new patent technology Vacuum-segregating is adopt the separated equipment of inflator (Patent No. ZL200420060968.5) employs particular spinning disk and stainless steel machine with dehydration and air pump and enlarges the area of segregating and coming to three-dimensional evaporation so that obtain the enough time to boil away. In this way purifier could achieve the best effect.
2. Using new type of heating equipment (Patent No. ZL02276238.8), it can reduce heating burthen and extend oil life.
3. The water cycled vacuum-pump from abroad lubricates by coolant (or water) and that it never afraid that air enter in the vacuum-pump. It will solve your problem that the spinning vacuum-pump which using fluid as medium need always exchange oil.
4. Oil level control adopt photoelectric way which the main components is imported from Switzerland and have features of sensitive control, exactitude so much as feel the spume of oil. Spurting oil phenomena is never appeared. (Spurting prevention Patent No. ZL200420060973.6)
5. With advantages of no leakage, low noise and long using life, this series of products adopt special input-oil pump which be airproofed by our factory.
6. In order to meet customer's needs of choosing right filter, we have scientific design and exact filter assemblies which could exchange by ones abroad. Both cost and oil disposal effect are good.

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JT Series Collecting-Dehydration Oil Purifier



Series of JT automatic Collecting-Dehydration Oil-Purifying equipment is designed to dehydrate the oil by use of filter assemblies and dehydration-filtering elements, which are separately made of hydrophilic and hydrophobic synthetic material. The plant can collect the free and emulsification water to become large drips to subside and drain them expediently. The plant also can demulsify, dehydrate and filter exactly. So they could filter water and impurities in turbine oil or lubrication on-line, especially fit to deal with leaked equipment.

Features of Product

1. The whole equipment designed individually with nice appearance, low power and low cost for operation.
2. The plant is all made of stainless steel without adding antirust so that working uninterruptedly.
3. The oil-water interfacial apparatus and automatic drained valve could offer exactly detached water level and drain water automatic when it accumulated condign capacity.
4. Electric system control with PLC (touch screen) which could show working condition and operation of all parts clearly. It also can monitor equipments, automatic control and protect stopping machine. It could use of the equipment operation online without human.
5. Adopting the special oil pump made in Germany that have good airproof, low noise and long life time.
6. Multilayer filtration including coarse filter, protecting filter, nice filer are all imported from Europe and U.S.A. The effect of control impurities is excellent.

Spec and type	Flow (L/min)	Effect of oil purifying		Overall power(KW)	Weight(KG)	Appearance dimension(cm)
		cleanness	Water content			
JJ-50	50	Grade from 5 to 8 of NAS1638	≤100ppm	1.5	450	190x105x155
JJ-100	100			1.5	500	190x110x160
JJ-150	150			2.2	600	190x120x170
JJ-200	200			4	700	200x130x200

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DYJC Series on-line Oil Purifier for turbine-oil



After many years of study, we design DYJC on-line purification plant which is mainly used in the field of the turbine and the lubricant set. We can satisfy our customers because of kinds of purification way. There is particular patent technique of double-system in vacuum. Their characteristics are: 1. dehydration in vacuum which can reduce water content to $< 50\text{ppm}$ in oil. 2. Particular fluid control system (vacuum pump will not spew oil in the long time function). 3. Credible double system design (one spare, one apply). 4. auto-control or manual-control in the field and remote-control junction port has been left to upgrade the system. 5. de-acid and de-color by the use of the collection-dehydration port. The system runs credibility and has high stability.

You can auto-control or manual-control the equipment on the field or remote.

Features of Product

1. The on-line set for lubrication designed by our company have obtained patent of country (patent no. ZL200420061085.6). The system include two grade vacuum pump and two oil pump, one is in use and the other is spare, so that inspect easily.
2. The oil treatment effect of on-line purifying set could less than 50ppm.
3. The plant leaves DCS long-range control so that customers choose various ways to control such as manual, automatic and long-range control.
4. The plant also has features of ZJC-T series oil-purifier for turbine oil and JT collecting-dehydration oil purifying equipment.

Item	Name of Parameter	Type Unit	ZJB0.42 KY	ZJB0.92 KY	ZJB1.82 KY	ZJB32 KY	ZJB4.82 KY	ZJB62 KY	ZJB92 KY	ZJB122 KY	ZJB182 KY
Technical parameter of the product	Nominal flow capacity	L/min	7	15	30	50	80	100	150	200	300
	Limit vacuity	Pa	≤ 90								
	Working Vacuity	pa	≤ 400								
	Working pressure	Mpa	≤ 0.35								

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	Working temperature of Oil	°C	50-65								
	Working power		50Hz 380V 3-Phase 4-Wire								
	Total electric power	KW	3.6+0.75	9+1.5	12+1.5	30+3	2x18+3	2x30+4.4	3x30+6	3x30+7	4x30+11
	Diameter of inlet outlet hose	mm	25/16	32/25	32/25	38/32	38/32	44/38	48/44	64/48	76/64
	Appearance dimension	cm	65x50 x90	110x95 x140	110x95 x140	155x100 x180	160x120 x210	175x120 x210	200x135 x220	210x135 x220	220x140 x230
	Weight of product	Kg	60	120	200	500	600	800	1000	1500	2500
Oil treatment index	Oil Puncture Voltage	KV	≥65								
	Water content	ppm	≤5								
	Air content	%	≤0.25								
	Filtration accuracy	μm	≤5								

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ZJC-M Series Coal Grinding Mill-only Oil Purifier



1. This series designed specially for high voltage oil and oil used in diluted oil station of power plant. The Purifier have obtained country patent (patent no. is ZL200420061086.0) and suitable for high viscosity oil treatment.
2. As the new patent technology Vacuum-segregating is adopt the separated equipment of inflator (Patent No. ZL200420060968.5) employs particular spinning disk and stainless steel machine with dehydration and air pump and enlarges the area of segregating and coming to three-dimensional evaporation so that obtain the enough time to boil away. In this way purifier could achieve the best effect.
3. Using new type of heating equipment (Patent No. ZL02276238.8), it can reduce heating burthen and extend oil life.
4. The water cycled vacuum-pump from abroad lubricates by coolant (or water) and that it never afraid that air enter in the vacuum-pump. It will solve your problem that the spinning vacuum-pump which using fluid as medium need always exchange oil.
5. Oil level control adopt photoelectric way which the main components is imported from Switzerland and have features of sensitive control, exactitude so much as feel the spume of oil. Spurting oil phenomena is never appeared. (spurting prevention Patent No. ZL200420060973.6)
6. With advantages of no leakage, low noise and long using life, this series of products adopt special high viscosity oil pump which be airproofed by our factory.
7. In order to meet customer's needs of choosing right filter, we have scientific design and exact filter assemblies which could exchange by ones abroad. Both cost and oil disposal effect are good. Simultaneity, when we choose the abroad filter assemblies, the plant could keep oil expedite by equipped high voltage protecting system.
8. The plant is all made of stainless steel without adding antirust so that working uninterruptedly.

Type	Flow capacity L/min	Efficient of filtration		Total power KW	Weight Kg	Appearance cm
		Cleanness	Water content			
ZJC0.6KY-M	10	NAS 6—8 grade	≤100PPm	10.5	420	130×100×125
ZJC1.2KY-M	20			13.5	450	130×105×145
ZJC1.8KY-M	30			16	480	130×110×145
ZJC3KY-M	50			20.5	520	140×120×150

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ZJC-R Series Vacuum Oil Purifier special for Lubricating Oil



The Purifiers are specially designed to treat water, emulsification and pollution particles in the industrial oil, such as lubricating oil, mechanical oil, hydraulic oil, compressor oil, cooling mechanical-oil etc., which are use in production, transportation and application. The features of these oils are high viscosity, more water ,high requirement of cleanness. The Gold purifiers are specially designed to remove various kinds of pollutants in the oil via the vacuum separation and impurity-filtration system. So it is an certain trend for industrial and mining enterprise to choose this series and they have remarkable economic benefits in saving energy, lowering consumption and maintaining equipment etc.,

Features of Product

1. The new product of our factory is the oil-purifier special for high viscosity oil and it suitable to treat oil with high viscosity.
2. As the new patent technology Vacuum-segregating is adopt the separated equipment of inflator (Patent No. ZL200420060968.5) employs particular spinning disk and stainless steel machine with dehydration and air pump and enlarges the area of segregating and coming to three-dimensional evaporation so that obtain the enough time to boil away. In this way purifier could achieve the best effect.
3. Using new type of heating equipment (Patent No. ZL02276238.8), it can reduce heating burthen and extend oil life.
4. The water cycled vacuum-pump from abroad lubricates by coolant (or water) and that it never afraid that air enter in the vacuum-pump. It will solve your problem that the spinning vacuum-pump which using fluid as medium need always exchange oil.
5. Oil level control adopt photoelectric way which the main components is imported from Switzerland and have features of sensitive control, exactitude so much as feel the spume of oil. Spurting oil phenomena is never appeared. (Spurting prevention Patent No. ZL200420060973.6)
6. With advantages of no leakage,low noise and long using life, this series of products adopt special input-oil pump which be airproofed by our factory.
7. In order to meet customer's needs of choosing right filter, we have scientific design

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and exact filter assemblies which could exchange by ones abroad. Both cost and oil disposal effect are good.

Item	Name of Parameter	Type Unit	ZJC0.6 KY-R	ZJC1.2 KY-R	ZJC1.8 KY-R	ZJC3 KY-R	ZJC6 KY-R	ZJC9 KY-R	ZJC12 KY-R	ZJC18KY-R>
Technical parameter of the product	Nominal flow capacity	L/min	10	20	30	50	100	150	200	300
	Working Vacuity	Mpa	-0.07 ~ -0.101							
	Working pressure	Mpa	≤0.35							
	Working temperature of Oil	°C	45-65							
	Working power		50Hz 380V 3-Phase 4-Wire							
	Total electric power	KW	6+1.5	9+1.5	12+1.5	30+3	2X30+4.4	3X30+6	4X30+11	
	Diameter of inlet outlet hose	mm	20/20	20/20	25/20	32/25	38/32	64/48	76/64	89/76
	Appearance dimension	cm	130X100 X125	130X105 X145	130X105 X145	190X140 X195	190X140 X210	210X150 X215	220X160 X225	230X170 X230
Weight of product	Kg	350	420	510	950	200	2200	3500		
Oil treatment index	Water content	ppm	≤100							
Filtering accuracy	μm	≤5								
Cleanness	NAS grade	≤NAS 6								
Oil appearance		Transparence								

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HY Series Waste Engine Oil Purifier



Application:

This kind of purifier is applicable to purification of various used black engine oil from transport facilities such as ship and automobile. This machine can remove the tiny impurities dispersed in oil such as carbon particles and deep oxides, as well as bad substance such as colloid and bitumen. Thus, the clarity of oil is recovered and the color of used black engine oil is restored.

Feature:

_ This machine adopts physical & chemical theory to get the refined and regenerated oil.

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_ With the special waste gas collecting and absorbing device, this machine can stop most of the harmful gas going into the air and be friendly to the environment.

_ The fine filtering system use fully-automatic filter press with liquid press method to remove impurities, which have big area to filter impurities and can be operated and maintained easily.

_ The advanced fully-automatic temperature controlling system, liquid-level controlling system, defoaming controlling system, pressure protecting system and excellent equipment can ensure operation of the machine with high performance.

_ Indirect heating used by the heating system to ensure waste oil to be heated evenly and the temperature of waste oil to be stable.

_ The vacuum system is used for high-level removing the micro water and the left gas of the waste oil.

_ This machine also installed phase-sequence and open-phase protection and creepage-proof protection.

Technical Parameter List

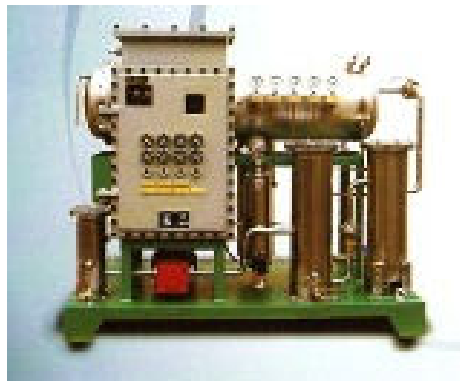
Name	Unit	HY-I	HY-II	HY-III	HY-IV
Capacity	Kg/D	1000-2000	2000-4000	4000-8000	8000-16000
Whole Power	KW	55	70	140	200
Weight	KG	2500	3500	5000	8000
Recovery Rate	%	80-95(or follow requirement of waste oil)			

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Working Pressure	Mpa	≤0.4-0.6
Noise	dB(A)	≤65-80
Power Supply	V/Hz	382/50 (or at user's option)
Remark	The capacity is based on that the oil purifier works 8-16 hours per day.	

Dimension and weight will be changed with the changing of the technical specification.

KYJ Series Special Oil-Purifier for Fire-Resistant Oil



With the material that is compatible with the fire-resistant oil and dehydration in vacuum, new particle-filter for removing pollutant, the technique for absorption of the acid constituents in the treated oil, series of KYJ oil-purifier for fire-resistant oil are especially designed for the use of the fire-resistant oil. They have the functions of purifying and filtering the qualified fire-resistant oil in advance, re-purifying and re-filtering the slight pollutant fire-resistant oil, recyclable filtering the mid-degree pollutant fire-resistant oil. The series are the indispensable filter equipment when fire-resistant oil is having used. They can be applied to operate on-line, filter movable and add new oil, and extend the lifetime of fire-resistant oil, maintain security of the machine and save power.

Features of Product

1. The plant is all made of stainless steel with features of handiness, nice appearance and easy operation.
2. The plant adopts the elements of vacuum adsorption which could eliminate the acid of water in the oil.
3. Oil level control adopt photoelectric way which the main components is imported from Switzerland and have features of sensitive control, exactitude. Spurting oil phenomena is never appeared.
4. The exacting filter assembly employee the specialized ones which have a good effect for impurity controlling (could reach the NAS 5-6 grade). It will satisfy client's using requirement.

Tech. Parameter	Type Unit	KYJ-10	KYJ-20	KYJ-30	KYJ-50	KYJ-200
Appearance dimensions	cm	120x100x160	130x110x170	150x110x170	160x140x200	230x160x220

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Flow		L/min	10	20	30	50	200
Oil-purifying effect	Cleanness		Grade 5 of Nas 1638 is equal to grade 2 of SAE749D				
	Water content	ppm	≤100				
	Acidic value	mgKOH/g	≤0.03				
	Resistivity	Ω cm	≥5×10 ⁹				

Various Series Explosion-Proof Oil-Purifier



Made in Chongqing Gold, explosion-proof oil-Purifier had passed country-examination and have maintained the license, and their types include: ZJA Series double-stage high-vacuum oil-purifier, ZJB Series high-efficient vacuum oil-purifier, ZJC-T Series special vacuum oil-purifier for turbine oil, ZJC-R Series lubricating oil vacuum oil-purifier, KYJ Series oil-purifier for fire-resistant oil and improved explosion-proof oil-purifier according to the requirement of customers. Please indicate the degree of explosion-proof in the application conditions and other special requirements. Purification performance is detail introduced in some related product introduction