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Технические характеристики на двухступенчатые вакуумные машины для очистки изоляционного масла 3000LPH, ZY, ZYD, ZYD-W, ZYD-T, ZYD-M, ZYD- I-W, ZYD-I-PLC, ZYD-I-H, ZYD-I, ZYD-H, ZYD-I-M компании Zhongneng

Виды товаров: автоматические двухступенчатые высоковакуумные трансформаторные очистители масла, двухступенчатые вакуумные высоковольтные очистители масла, двухступенчатые высоковакуумные очистители трансформаторного масла, двухступенчатые высоковакуумные очистители трансформаторного масла, двухступенчатые вакуумные высоковольтные машины для очистки масла, высоковакуумные установки для обработки диэлектрических масел, высоковакуумное диэлектрическое оборудование для фильтрации масла.

ZYD-I-M Enclosed Mobile Type Double Stage High Vacuum Transformer Oil Regeneration Purifier

Application:

Based on ZYD-I, Series ZYD-I-M Enclosed Mobile Type Double Stage High Vacuum Transformer Oil Regeneration Purifier is equipped with Weather Proof Enclosure and movable trailer, very suitable for outdoor onsite use. ZYD-I-M is mainly used for purifying the insulating oil in all kinds of large power equipments that are above 110KV especially for the area, where altitude is over 500 meters.

Brand:ZHONGNENG

Model:ZYD -I-50

Code:8421299090

Product Description

Technical Specification

Features:

- 1.High vacuum: High point-Vacuum≤5pa Working-vacuum≤35pa
- 2.High absorption speed: Absorption speed power≥333L/Sr.
- 3.Duplex 3D stereo-evaporation, eliminating the liquid water quickly
- 4.UK G technology by which the trace water that is show chain, such as dissolved water, can be removed effectively.
- 5.Distinctive removing impurities system filtering through double FH trapezoidal network and absorbing by high polymer without the mechanical power
- 6.Effectively remove the oxidation, free carbon ect.
- 7.Especially applied to vacuum oiling and drying for power transmission equipments that are over 110KV
- 8.Can be operated both on-load and off-load.



Comparing with the single-stage vacuum oil purifier, this machine dewaters, Degases and removes the impurities more quickly, more completely. It not only improves the oils breakdown voltage value much higher but also can recover the oil anti-oxidation, Acidity and so on. As the bridge-type vacuum linking system, it is used for filtrating system as well as an independent vacuum power supply to vacuum oiling of power equipment.

Technical Specification

Item	Unit	ZYD-I-50	ZYD-I-100	ZYD-I-200	ZYD-I-300
Flow rate	L/min	50	100	200	300
Vacuum Degree	MPa	-0.08 ~-0.099			
Working Pressure	MPa	≤ 0.3			
		≤ 0.3			
Temperature Range	℃	20 ~80			
Power Supply		3 Phase 50HZ, 380V(Or as per request)			
Working Noise	dB (A)	75	75	80	80
Heating Power	kW	32	45	75	120
Total Power	kW	36	52.5	86.5	135
Inlet (outlet) caliber	mm	φ32	φ 42	φ 50	φ 60
Weight	Kg	900	1050	1800	2200
PARAMETERS AFTER TREATMENT					
Water Content		≤3~5PPM			
Gas Content		≤0.01%			
Impurities Size		≤1~5 micron(no free carbon)			
Breakdown Voltage		≥75-85KV			
Flash Point		≥145℃			
Acid Value		≤ 0.03 mg KOH/g			
Dielectric Loss Factors		Tg δ (90℃) % ≤0.001			
Cleanliness		≤NAS 1638 Grade 5			

ZYD-I-W Enclosed Weather Proof Type Double Stage High Vacuum Transformer Oil Regeneration Purifier

Based on ZYD-I, Series ZYD-I-W Enclosed Weather Proof Type Double Stage High Vacuum Transformer Oil Regeneration Purifier is equipped with Weather Proof Enclosure, very suitable for outdoor use. ZYD-I-W is mainly used for purifying the insulating oil in all kinds of large power equipments that are above 110KV especially for the area, where altitude is over 500 meters.



Features:

- 1.High vacuum: High point-Vacuum≤5pa Working-vacuum≤35pa
- 2.High absorption speed: Absorption speed power≥333L/Sr.
- 3.Duplex 3D stereo-evaporation, eliminating the liquid water quickly
- 4.UK G technology by which the trace water that is show chain, such as dissolved water, can be removed effectively.
- 5.Distinctive removing impurities system filtering through double FH trapezoidal network and absorbing by high polymer without the mechanical power
- 6.Effectively remove the oxidation, free carbon ect.
- 7.Especially applied to vacuum oiling and drying for power transmission equipments that are over 110KV
- 8.Can be operated both on-load and off-load.

Brand:ZHONGNENG

Code:8421299090

Model:ZYD-50

Advantages:

Comparing with the single-stage vacuum oil purifier, this machine dewaters, Degases and removes the impurities more quickly, more completely. It not only improves the oils breakdown voltage value much higher but also can recover the oil anti-oxidation, Acidity and so on. As the bridge-type vacuum linking system, it is used for filtrating system as well as an independent vacuum power supply to vacuum oiling of power equipment.

Item	Unit	ZYD-I-50	ZYD-I-100	ZYD-I-200	ZYD-I-300	
Flow rate	L/min	50	100	200	300	
Vacuum Degree	MPa	-0.08 ~-0.099				
Working Pressure	MPa	≤ 0.3				
		≤ 0.3				
Temperature Range	℃	20 ~80				
Power Supply		3 Phase 50HZ, 380V(Or as per request)				
Working Noise	dB (A)	75		75	80	80
Heating Power	kW	32		45	75	120
Total Power	kW	36		52.5	86.5	135
Inlet (outlet) caliber	mm	φ32		φ 42	φ 50	φ 60
Weight	Kg	900		1050	1800	2200
PARAMETERS AFTER TREATMENT						
Water Content	≤3~5PPM					
Gas Content	≤0.01%					
Impurities Size	≤1~5 micron(no free carbon)					
Breakdown Voltage	≥75-85KV					
Flash Point	≥145℃					
Acid Value	≤ 0.03 mg KOH/g					
Dielectric Loss Factors	Tg δ (90℃) % ≤0.001					
Cleanliness	≤NAS 1638 Grade 5					

Updated Full enclosed Dual Vacuum Separation Transformer Oil Purifier Machine

It is designed to purify and recover transformer oil, dielectric oil, cable oil and etc. Installed with full enclosed case, it also can be stable operation at outdoor.



Model:ZYD-200	Brand:ZHONGNENG	Code:8421299090
Product Description		

Application
The machine, adopting the unique arts and the world advanced technology, be used in the electric power, generating plant, power company, metallurgy, landification, machinery, communication, railway etc. Mainly used in large scale 110KV transport voltage device and national transformer substation, maintain of the new oil, imported oil and super HV transformer oil and large substations transformer. Additionally, it shortens the oil treating duration during installation and maintenance of transformer oil purification. Especially used in the area, where is more than 500 meters height.

- Advantages**
- 1- Dual Vacuum separation system, improve the dehydration efficiency;
 - 2- Big Vacuum Separator size, comptiable with double stage vacuum system, greatly lower the noise to 60dB.
 - 3-The index of the products all higher than national standards, compared with the single stage vacuum oil purifier.
 - 4-The index of the products all higher than national standards, compared with the single stage vacuum oil purifier.
 - 5-This machine is better and faster in dewatering, degassing and trash extraction and the limited oil breakdown voltage is higher.
 - 6-The breakdown voltage will be added more than 35KV, reduce harmful matters because of aging oil with repeatedly heating.
 - 7-High speed double stage vacuum, can improve the vacuum degree in the tank utmost, reaching the limited vacuum 5PA, working vacuum 35PA.
 - 8-Keep the temperature invariable, to satisfy the need of the vacuum oil purifier when installation and maintain machinery, cut down the dealing time of the oil reaction.
 - 9-Distinctive removing the impurities technology filtering through double FH trapezoidal network and absorbing by high polymer without the mechanical power.
 - 10- The oil of any grades can be treated on line at working site.

Item	Model	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200
	Unit					
Flow rate	L/Hr	1800	3000	6000	9000	12000
Vacuum degree	Mpa	-0.08 ~ - 0.099				
Working Pressure	Mpa	≤0.3				
Oil breakdown voltage	kv	≥65				
Water content	ppm	≤5				
Particles size	μ	≤1-5 without free carbon				
Gas content	%	≤0.1				
Temperature Degree	℃	20-80				
Power Supply		380V,3phase, 50HZ (or as required by customer)				
Working noise	DB (A)	≤75	≤75	≤80	≤80	≤80
Electric heating Power	KW	36	48	72	90	120
Total electric Power	KW	40	53	79	97	129
Inlet (outlet) Caliber	mm	Φ25	Φ32	Φ42	Φ48	Φ60
Size (L* W*H)	mm	1750*1150*2050	1850*1250*2100	2100*1450*2200	2300*1650*2250	2550*1850*2300
Weight	Kg	750	900	1250	1450	1900
Dimensions will be changed if any special type required						

Updated 3000LPH Double Stage Vacuum Transformer Oil Treatment Machine



The updated ZYD-50 double stage vacuum transformer oil purifier machine is designed to purify and recover various kinds of insulating oil, transformer oil, dielectric oil and e **Color:**

Model:ZYD-5

Brand:ZHONGNENG

Code:8421299090

1. Efficient vacuum dehydration system, composed by Leybold brand vacuum pump and reliable Roots pump to achieve stable high vacuum degree, which provide a sound working condition for vacuum dehydration.
2. Adopt 3GR series screw oil pump, lower noise and ensure oil output efficiency when the machine work at high vacuum condition -0.098MPa.
3. After purification, the moisture content is less than 3PPM; oil breakdown voltage is more than 75KV.

Advantages:

Comparing with the single-stage vacuum oil purifier, this machine adds ROOTS vacuum system, second stage of separating system to improve the effect of purification which dewater, degas and removes the impurities more quickly, more completely, and makes the oils limiting voltage-withstand value much higher. As the bridge-type vacuum linking system that can purify and also can be an independent vacuum power supply, this machine can treat the electric insulation devices.

Product Description									
Technical Specification									
Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~ -0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~ 80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuation)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	≥ 75-85						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness			≤NAS 1638 Grade 5						

ZY Single-Stage Vacuum Oil Purifier Machine

This machine is special for purifying various of insulating oils including unqualified transformer oil, mutual inductor oil and circuit breaker oil etc.



Model:ZY-30	Brand:ZHONGNENG	Code:8421299090
Product Description		
Technical Specification		

- Features:**
- 1.This machine is small, hi-efficient, convenient. And it can be operated with electrical, vacuum filling oil into the power equipment and drying moisture of power equipment.
 - 2. Distinctive remove-impurity technology,which filters the impurity through double FH trapezoidal network and absorbing by high polymer without the mechanical power.
 - 3.Bi-infrared liquid Duplex 3D evaporation technology, dewatering and degassing very effectively.
 - 4.Any insulating oil can be treated on-line at the working site

Advantages:
This machine adopts an high effective vacuum and the internationally advanced stereo-evaporation technology, which enable highly effective removal of water, gas and impurities without cutting off power, shutdown of machine and change of oil, which allows transformers running as energized.

Technical Specification							
Item	Unit	ZY-20	ZY-30	ZY-50	ZY-100	ZY-150	ZY-200
Flow Rate	L/min	20	30	50	100	150	200
Vacuum Degree	MPa	-0.08 ~~-0.095					
Working Pressure	MPa	≤0.3			≤0.5		
Temperature Range	℃	10 ~ 80					
Power Supply		380V, 3PHASE, 50HZ (Or as needed)					
Working Noise	dB(A)	≤75	≤75	≤75	≤80	≤80	≤80
Heating Power	kW	18	24	30	45	60	72
Total Power	kW	22	28	35	50	68	80
Inlet (outlet) caliber	mm	25	25	32	42	50	50
Dimension	mm	1500×900×1550	1600×900×1650	1600×900×1700	1600×950×1700	1600×950×1800	1700×1000×1900
Weight	Kg	400	450	600	800	850	900
Breakdown Voltage	kV	≥70					
Water Content	PPM	≤5					
Gas Content	%	≤0.1					
Particles Size	μm	≤1~5(Without Free Carbon)					
Cleanliness	≤NAS 1638 Grade 6						

Dimensions will be changed if any special type required.

ZYD Double Stage High Vacuum Transformer Oil Filtration Unit

Application:

ZYD Double Stage High Vacuum Transformer Oil Filtration Unit is designed for use in treating electrical insulating oil in the oil-filled electrical equipment. It is mainly applied to purification 500KV above power transmission equipment insulating oil. Through the dehydrator, degasification, filtration processes, the dissolved gases and moisture, solid particulate, contamination can be completely removed. ZYD vacuum oil purifier is widely used in factory workshops, power transmission and generation station.



Model:ZYD-100	Brand:ZHONGNENG	Code:8421299090
Product Description		
Technical Specification		

- Features:**
1. Double-stage vacuum system, strong power of vacuum evacuating, ultimate vacuum value $\leq 5\text{Pa}$.
 2. Two vacuum separating chambers, efficient oil film sprayer, increasing separating size and separating time to ensure the dry-level and dielectric strength improving greatly.
 3. Duplex-Stereo film evaporation technology, combined with unique and advanced dewatering, degassing components, can rapidly and effectively separate water, gas from oil.
 4. Multi-stage precision filtration system, mesh filtration combined with molecular adsorption technologies.
 5. Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
 6. Double-infrared liquid level sensor, pressure protective system to ensure machine operation easy and safely.
 7. Adopt interlocked protective system, which connect oil pump, heater and liquid level sensor, avoiding blank heating, blank pumping, oil leak and electricity leak. If there is any fault, machine will be power off automatically.
 8. Functions of live line work onsite, vacuum drying and vacuum oil filling.

Transformers are important devices therefore increasing the importance oil. Transformer oils are lost quality in time. Consisting of moisture in the oil causes sludge and acid after a short time with a oxidation of air.

With transformer oil regeneration (treatment), electrical life are brought equivalent in new transformer oil. Transformer oil regeneration process can be eliminate acid, moisture, gas, sediment, filter particles from the oil with the thermo-vacuum system and improve the quality.

Advantages:

According to the transformer oil change it is very economic, Used transformer oil can be brought up to the equivalent point of new oil. Transformer within the moisture, sludge, acids and harmful gases to destroy and the insulation values will be higher than old. Transformer oil life is extended. As a result of the occurrence waste oil and disposal costs would have been zero. Waste oil has been blocked and prevented its negative given for the environment.

Technical Specification									
Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~-0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuration)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	≥ 75-85						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness		≤NAS 1638 Grade 5							

Dimensions will be changed if any special type required

ZYD Double Stage High Vacuum Transformer Oil Purifier

Application:
 , it is special for purifying various of insulating oils including unqualified transformer oil, mutual inductor oil and circuit breaker oil etc.The machine is mainly used for electric power department and industries to deal with various oils such as transformer oil, mutual oil, switch oil and so on. The machine is especially for purifying the insulation oil in all kinds of large power equipment that are above 110KV, especially for the altitude is over 500 meters.



Model:ZYD-50	Brand:ZHONGNENG	Code:8421299090
Product Description		

- Features:**
1. High vacuum limiting vacuum less than 5pa, working vacuum less than 35pa.
 2. High absorption speed, absorption speed power more than 333L/Sr.
 3. Duplex 3D stereo-evaporation technology, eliminating the liquid water very effectively.
 4. UK G technology by which the trace water that is show chain, such as dissolved water, can be removed effectively.
 5. Distinctive removing impurities technology filtering through double FH trapezoidal network and absorbing by high polymer without the mechanical power.
 - 6.Especially applied to vacuum oiling and drying for power transmission equipments that are over 110kv.
 - 7.Can be operated both on-load and off load.
 8. Carbon fiber infrared heating system that can make the oil contains zero sum of ethyne after treatment.
 - 9.can be used to dry the electric equipment and input the oil into the electric equipment under the vacuum state.
 - 10..The machine adopts the double-infrared liquid automatic controller, sensitive automatic pressure protector and the high effective equipment for degas, so it is easy to operate.

Advantages:
Comparing with the single-stage vacuum oil purifier, this machine adds ROOTS vacuum system, second stage of separating system to improve the effect of purification which dewater, degas and removes the impurities more quickly, more completely, and makes the oils limiting voltage-withstand value much higher. As the bridge-type vacuum linking system that can purify and also can be an independent vacuum power supply, this machine can treat the electric insulation devices.

Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~ -0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~ 80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuration)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	≥ 75-85						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness			≤NAS 1638 Grade 5						

Dimensions will be changed if any special type required

YD-I Double Stage High Vacuum Transformer Oil Regeneration Purifier

ZYD-I Double Stage High Vacuum Transformer Oil Regeneration Purifier has been specially designed for on site use to completely regenerate insulating oils in energized or de-energized transformers. The ZYD-I system not only provides regular oil purification such as degassing, drying and particulate removal but also can remove acidity, sludge, other soluble oil decay products and discoloration.

This is accomplished by the use of high vacuum degasification technology and particulate filters combined with our special brand of earth. After treating, the oil can be reused as new.



Model:ZYD-200

Brand:ZHONGNENG

Code:8421299090

Product Description

Technical Specification

Features:

1. Besides the common vacuum oil purifier's function of dewatering, degassing and eliminating particles, this machine can regenerate the seriously deteriorated oil by removing the polarity materials, such as the deep oxides, free carbon in the oil effectively. It can make the seriously deteriorated oil reach to the normal index like anti-oxides, acid-alkali water-solubility.
 2. Operational can be P.L.C (Programmable Logic Controller).
 3. Unique vacuum dehydration, degassifier, regeneration system, adopt stereo-evaporation technology, high efficiently remove water, gas, particles from transformer oil, improve oil quality and dielectric strength.
 4. Duplex 3D stereo-evaporation, eliminating the liquid water quickly
 5. UK g technology by which the trace water that is show chain, such as dissolved water, can be removed effectively.
 6. Instinctive removing impurities system filtering through double FH trapezoidal network and absorbing by high polymer without the mechanical power
 7. Advanced infrared liquid-level automatic control system to accomplish fully automatic control.
 8. Specially applied to vacuum oiling and drying for power transmission equipment.
 9. The oil of any grades can be treated either on- or off-load.
 10. Special oil pump design with lower noise.
 11. Special additives for depolarization, can recover oil color of aged transformer oil to new, equipped with flexible unloading device of short time, good efficiency small quality.
- Discolor under vacuum can save cost of treatment, the waste impurities doesn't pollute environment (it can be used to architecture and road pave)

Advantages:

Comparing with the single-stage vacuum oil purifier, this machine can dewater, degas and removes the impurities more quickly, more completely, and makes the oil BDV (Breakdown Voltage) of 75kV or higher. As the bridge-type vacuum linking system that can purify and also can be an independent vacuum power supply for the electric insulation devices.

Item	Unit	ZYD-I-50	ZYD-I-100	ZYD-I-200	ZYD-I-300
Flow rate	L/min	50	100	200	300
Vacuum Degree	MPa	-0.08 ~-0.099			
Working Pressure	MPa	≤ 0.3			
		≤ 0.3			
Temperature Range	℃	20 ~80			
Power Supply		3 Phase 50HZ, 380V(Or as per request)			
Working Noise	dB (A)	75	75	80	80
Heating Power	kW	32	45	75	120
Total Power	kW	36	52.5	86.5	135
Inlet (outlet) caliber	mm	φ32	φ 42	φ 50	φ 60
Weight	Kg	900	1050	1800	2200
PARAMETERS AFTER TREATMENT					
Water Content		$\leq 3 \sim 5$ PPM			
Gas Content		$\leq 0.01\%$			
Impurities Size		$\leq 1 \sim 5$ micron(no free carbon)			
Breakdown Voltage		≥ 75 -85KV			
Flash Point		$\geq 145^{\circ}\text{C}$			
Acid Value		≤ 0.03 mg KOH/g			
Dielectric Loss Factors		Tg δ (90℃) % ≤ 0.001			
Cleanliness		\leq NAS 1638 Grade 5			

ZYD High Vacuum Dielectric Oil Filtration Equipment

Application:

ZYD is special for treating the used and old dielectric oil, transformer oil, mutual oil, switch oil. Comparing with the single-stage type, this machine adopts the double stages vacuum system, which can improve the machine's working vacuum value highly, so it can dewater, degas and remove the impurity more deeply and effectively. The dielectric value of treated oil is higher than 75KV. It is very suitable for the large electric&insulation equipments.



Model:ZYD-50	Brand:ZHONGNENG	Code:8421299090
Product Description		
Technical Specification		

Features:

1. High vacuum: High point-Vacuum≤5pa Working-vacuum≤35pa
2. High absorption speed: Absorption speed power≥333L/Sr.
3. Duplex 3D stereo-evaporation, eliminating the liquid water quickly
4. Distinctive removing impurity system which filters the impurity through double FH trapezoidal network and absorbs the impurity by high polymer without the mechanical power
5. Carbon fiber infrared heating system that can have the oil contain zero sum of ethyne after the treatment
6. Especially applied to vacuum filling oil and drying for power transmission equipments which power are over 110KV
7. Any insulating oil can be treated on-line at the working site.

Advantages:

Comparing with the single-stage vacuum oil purifier, this machine dewater, degas and removes the impurities more quickly, more completely, and makes the oils limiting voltage-withstand value much higher. As the bridge-type vacuum linking system that can purify and also can be an independent vacuum power supply, this machine can treat the electric insulation devices.

Technical Specification									
Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~-0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuration)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	≥ 75-85						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness			≤NAS 1638 Grade 5						

Dimensions will be changed if any special type required

ZYD High Vacuum Dielectric Oil Treatment Plant

Application:

ZYD is special for treating the used and old transformer oil, mutual oil, switch oil. Comparing with the single-stage type, this machine adopts the double stages vacuum system, which can improve the machine's working vacuum value highly, so it can dewater, degas and remove the impurity more deeply and effectively. The dielectric value of treated oil is higher than 75KV. It is very suitable for the large electric&insulation equipments.



Model:ZYD-50	Brand:ZHONGNENG	Code:8421299090
Product Description		
Technical Specification		

Features:

1. High vacuum: High point-Vacuum≤5pa Working-vacuum≤35pa
2. High absorption speed: Absorption speed power≥333L/Sr.
3. Duplex 3D stereo-evaporation, eliminating the liquid water quickly
4. Distinctive removing impurity system which filters the impurity through double FH trapezoidal network and absorbs the impurity by high polymer without the mechanical power
5. Carbon fiber infrared heating system that can have the oil contain zero sum of ethyne after the treatment
6. Especially applied to vacuum filling oil and drying for power transmission equipments which power are over 110KV
7. Any insulating oil can be treated on-line at the working site.

Advantages:

Comparing with the single-stage vacuum oil purifier, this machine dewater, degas and removes the impurities more quickly, more completely, and makes the oils limiting voltage-withstand value much higher. As the bridge-type vacuum linking system that can purify and also can be an independent vacuum power supply, this machine can treat the electric insulation devices.

Technical Specification									
Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~-0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuration)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	≥ 75-85						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness			≤NAS 1638 Grade 5						

Dimensions will be changed if any special type required

ZYD Transformer Oil Filtration Unit especially for 500KV Above



Product Description

Application:
ZYD Double Stage High Vacuum Transformer Oil Filtration Unit is designed for use in treating electrical insulating oil in the oil-filled electrical equipment. It is mainly applied to purification 500KV above power transmission equipment insulating oil. Through the dehydrator, degasification, filtration processes, the dissolved gases and moisture, solid particulate, contamination can be completely removed. ZYD vacuum oil purifier is widely used in factory workshops, power transmission and generation station.

- Features:**
1. Double-stage vacuum system, strong power of vacuum evacuating, ultimate vacuum value $\leq 5\text{Pa}$.
 2. Two vacuum separating chambers, efficient oil film sprayer, increasing separating size and separating time to ensure the dry-level and dielectric strength improving greatly.
 3. Duplex-Stereo film evaporation technology, combined with unique and advanced dewatering, degassing components, can rapidly and effectively separate water, gas from oil.
 4. Multi-stage precision filtration system, mesh filtration combined with molecular adsorption technologies.
 5. Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
 6. Double-infrared liquid level sensor, pressure protective system to ensure machine operation easy and safely.
 7. Adopt interlocked protective system, which connect oil pump, heater and liquid level sensor, avoiding blank heating, blank pumping, oil leak and electricity leak. If there is any fault, machine will be power off automatically.
 8. Functions of live line work onsite, vacuum drying and vacuum oil filling.

Transformers are important devices therefore increasing the importance oil. Transformer oils are lost quality in time. Consisting of moisture in the oil causes sludge and acid after a short time with a oxidation of air.

With transformer oil regeneration (treatment), electrical life are brought equivalent in new transformer oil. Transformer oil regeneration process can be eliminate acid, moisture, gas, sediment, filter particles from the oil with the thermo-vacuum system and improve the quality.

Advantages:
According to the transformer oil change it is very economic, Used transformer oil can be brought up to the equivalent point of new oil. Transformer within the moisture, sludge, acids and harmful gases to destroy and the insulation values will be higher than old. Transformer oil life is extended. As a result of the occurrence waste oil and disposal costs would have been zero. Waste oil has been blocked and prevented its negative given for the environment.

Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~ -0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~ 80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuration)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	$\geq 75-85$						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness			\leq NAS 1638 Grade 5						

Dimensions will be changed if any special type required

Previous: ZYD-I-M Enclosed Mobile Type Double Stage High Vacuum Transformer Oil Regeneration Purifier

ZYD-H Double Stage Vacuum High Voltage Oil Purification Machine

Share ↗.

Application:

Series ZYD-H Double Stage Vacuum High Voltage Oil Purification Machine is mainly used for removing trace water, gas and impurities from insulating oil, improving the insulating oil performance index. It is mainly applied to purification of 110KV, 220KV, 500KV, 750KV, 1000KV power transmission equipment insulating oil.



Model:ZYD-100	Brand:ZHONGNENG	Code:8421299090
Product Description		
Technical Specification		

Features:

- 1, This double stage vacuum transformer oil purifier is high effective with a special booster named roots pump.
- 2, The vacuum oil purifier is portable and small size, so you can use it everywhere.
- 3, It is very suit to operate on line. Also it can be used to dry the electric equipment and input the oil into the electric equipment under the vacuum state.
- 4,The vacuum oil purifier is automatic control.
- 5, With the alarm, when the temperature and pressure exceed the index, all the parts will stopped.
6. High vacuum limiting vacuum less than 5pa, working vacuum less than 35pa.
7. Environment friendly.
- 8, Power cost less.
- 9, Strong filtration ability and stable working
- 10, With the engineer installation.
- 11, We can take the special order as the customer need.

Advantages:

Comparing with the single-stage vacuum oil purifier, series ZYD adds ROOTS vacuum system, second stage of separating system to improve the effect of purification which dewater, degases and removes impurities more quickly, more completely and make the oils limiting voltage-withstand value much higher.

This machine also can remove free, soluble water, carbon, free and dissolved gases and particulate matters from insulating oil effectively and rapidly. As the bridge-type vacuum linking system that can filter and be an independent vacuum power supply, this machine can be vacuum treating the electric insulating devices. Series ZYD utilizes coacervation technology, coalescing technology, separating technology and refined purification technology.

Technical Specification								
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Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~-0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuration)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	≥ 75-85						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness			≤NAS 1638 Grade 5						

Dimensions will be changed if any special type required

ZYD-I Double Stage High Vacuum Transformer Oil Regeneration Purifier

Application:
ZYD-I Double Stage High Vacuum Transformer Oil Regeneration Purifier has been specially designed for on site use to completely regenerate insulating oils in energized or de-energized transformers. The ZYD-I system not only provides regular oil purification such as degassing, drying and particulate removal but also can remove acidity, sludge, other soluble oil decay products and discoloration. This is accomplished by the use of high vacuum degasification technology and particulate filters combined with our special brand of earth. After treating, the oil can be reused as new.



Model:ZYD-50	Brand:ZHONGNENG	Code:8421299090
Product Description		
Technical Specification		

Features:
1. Besides the common vacuum oil purifier's function of dewatering, degassing and eliminating particles, this machine can regenerate the seriously deteriorated oil by removing the polarity materials, such as the deep oxides, free carbon in the oil effectively. It can make the seriously deteriorated oil reach to the normal index like anti-oxides, acid-alkali water-solubility.
2. Operational can be P.L.C (Programmable Logic Controller).
3. Unique vacuum dehydration, degassifier, regeneration system, adopt stereo-evaporation technology, high efficiently remove water, gas, particles from transformer oil, improve oil quality and dielectric strength.
4. Duplex 3D stereo-evaporation, eliminating the liquid water quickly
5. UK g technology by which the trace water that is show chain, such as dissolved water, can be removed effectively.
6. Instinctive removing impurities system filtering through double FH trapezoidal network and absorbing by high polymer without the mechanical power
7. Advanced infrared liquid-level automatic control system to accomplish fully automatic control.
8. Specially applied to vacuum oiling and drying for power transmission equipment.
9. The oil of any grades can be treated either on- or off-load.
10. Special oil pump design with lower noise.
11. Special additives for depolarization, can recover oil color of aged transformer oil to new, equipped with flexible unloading device of short time, good efficiency small quality. Discolor under vacuum can save cost of treatment, the waste impurities doesn't pollute environment (it can be used to architecture and road pave)

Advantages:
Comparing with the single-stage vacuum oil purifier, this machine can dewater, degas and removes the impurities more quickly, more completely, and makes the oil BDV (Breakdown Voltage) of 75kV or higher. As the bridge-type vacuum linking system that can purify and also can be an independent vacuum power supply for the electric insulation devices.

Technical Specification					
Item	Unit	ZYD-I-50	ZYD-I-100	ZYD-I-200	ZYD-I-300
Flow rate	L/min	50	100	200	300
Vacuum Degree	MPa	-0.08 ~-0.099			
Working Pressure	MPa	≤ 0.3			
		≤ 0.3			
Temperature Range	℃	20 ~80			
Power Supply		3 Phase 50HZ, 380V(Or as per request)			
Working Noise	dB (A)	75	75	80	80
Heating Power	kW	32	45	75	120
Total Power	kW	36	52.5	86.5	135
Inlet (outlet) caliber	mm	φ32	φ 42	φ 50	φ 60
Weight	Kg	900	1050	1800	2200
PARAMETERS AFTER TREATMENT					
Water Content		≤3~5PPM			
Gas Content		≤0.01%			
Impurities Size		≤1~5 micron(no free carbon)			
Breakdown Voltage		≥75-85KV			
Flash Point		≥145℃			
Acid Value		≤ 0.03 mg KOH/g			
Dielectric Loss Factors		Tg δ (90℃) % ≤0.001			
Cleanliness		≤NAS 1638 Grade 5			

Dimensions will be changed if any special type required

ZYD-I-H Double Stage Vacuum High Voltage Oil Regeneration Purifier

Share to:

Application:
Series ZYD-I-H Double Stage Vacuum High Voltage Oil Regeneration Purifier is specially used for purifying the insulating oil in all kinds of high voltage power equipments that are above 330KV especially for the area, where altitude is over 500 meters.



Model:ZYD-150	Brand:ZHONGNENG	Code:8421299090
Product Description		
Technical Specification		

- Features:**
- 1.High vacuum: High point-Vacuum \leq 5pa Working-vacuum \leq 35pa
 - 2.High absorption speed: Absorption speed power \geq 333L/Sr.
 - 3.Duplex 3D stereo-evaporation, eliminating the liquid water quickly
 - 4.UK G technology by which the trace water that is show chain, such as dissolved water, can be removed effectively.
 - 5.Distinctive removing impurities system filtering through double FH trapezoidal network and absorbing by high polymer without the mechanical power
 - 6.Effectively remove the oxidation, free carbon ect.
 - 7.Especially applied to vacuum oiling and drying for power transmission equipments that are over 110KV
 - 8.Can be operated both on-load and off-load.

Advantages:
Comparing with the single-stage vacuum oil purifier, this machine dewateres, Degases and removes the impurities more quickly, more completely. It not only improves the oils breakdown voltage value much higher but also can recover the oil anti-oxidation, Acidity and so on. As the bridge-type vacuum linking system, it is used for filtrating system as well as an independent vacuum power supply to vacuum oiling of power equipment.

Technical Specification					
Item	Unit	ZYD-I-50	ZYD-I-100	ZYD-I-200	ZYD-I-300
Flow rate	L/min	50	100	200	300
Vacuum Degree	MPa	-0.08 ~-0.099			
Working Pressure	MPa	≤ 0.3			
		≤ 0.3			
Temperature Range	℃	20 ~80			
Power Supply		3 Phase 50HZ, 380V(Or as per request)			
Working Noise	dB (A)	75	75	80	80
Heating Power	kW	32	45	75	120
Total Power	kW	36	52.5	86.5	135
Inlet (outlet) caliber	mm	φ 32	φ 42	φ 50	φ 60
Weight	Kg	900	1050	1800	2200
PARAMETERS AFTER TREATMENT					
Water Content		\leq 3~5PPM			
Gas Content		\leq 0.01%			
Impurities Size		\leq 1~5 micron(no free carbon)			
Breakdown Voltage		\geq 75-85KV			
Flash Point		\geq 145℃			
Acid Value		\leq 0.03 mg KOH/g			
Dielectric Loss Factors		Tg δ (90℃) % \leq 0.001			
Cleanliness		\leq NAS 1638 Grade 5			

ZYD-I-PLC PLC Full Automatic Double Stage High Vacuum Transformer Oil Regeneration Purifier

Application:
Based on ZYD-I, Series ZYD-I-PLC PLC Full Automatic Double Stage High Vacuum Transformer Oil Regeneration Purifier is equipped with PLC, so this machine can run automatically. ZYD-I-PLC is mainly used for purifying the insulating oil in all kinds of large power equipments that are above 110KV especially for the area, where altitude is over 500 meters.



Code:8421299090

Product Description

Technical Specification

Features:

- 1.High vacuum: High point-Vacuum≤5pa Working-vacuum≤35pa
- 2.High absorption speed: Absorption speed power≥333L/Sr.
- 3.Duplex 3D stereo-evaporation, eliminating the liquid water quickly
- 4.UK G technology by which the trace water that is show chain, such as dissolved water, can be removed effectively.
- 5.Distinctive removing impurities system filtering through double FH trapezoidal network and absorbing by high polymer without the mechanical power
- 6.Effectively remove the oxidation, free carbon ect.
- 7.Especially applied to vacuum oiling and drying for power transmission equipments that are over 110KV
- 8.Can be operated both on-load and off-load.

Advantages:

Comparing with the single-stage vacuum oil purifier, this machine dewater, Degases and removes the impurities more quickly, more completely. It not only improves the oils breakdown voltage value much higher but also can recover the oil anti-oxidation, Acidity and so on. As the bridge-type vacuum linking system, it is used for filtrating system as well as an independent vacuum power supply to vacuum oiling of power equipment.

Technical Specification					
Item	Unit	ZYD-I-50	ZYD-I-100	ZYD-I-200	ZYD-I-300
Flow rate	L/min	50	100	200	300
Vacuum Degree	MPa	-0.08 ~-0.099			
Working Pressure	MPa	≤ 0.3 ≤ 0.3			
Temperature Range	℃	20 ~80			
Power Supply		3 Phase 50HZ, 380V(Or as per request)			
Working Noise	dB (A)	75	75	80	80
Heating Power	kW	32	45	75	120
Total Power	kW	36	52.5	86.5	135
Inlet (outlet) caliber	mm	φ32	φ 42	φ 50	φ 60
Weight	Kg	900	1050	1800	2200
PARAMETERS AFTER TREATMENT					
Water Content	$\leq 3 \sim 5$ PPM				
Gas Content	$\leq 0.01\%$				
Impurities Size	$\leq 1 \sim 5$ micron(no free carbon)				
Breakdown Voltage	≥ 75 -85KV				
Flash Point	$\geq 145^{\circ}\text{C}$				
Acid Value	≤ 0.03 mg KOH/g				
Dielectric Loss Factors	Tg δ (90℃) % ≤ 0.001				
Cleanliness	\leq NAS 1638 Grade 5				

ZYD-M Enclosed Mobile Type Transformer Oil Purifier

Application:

According to user's requirements, we developed Series ZYD-M mobile insulating transformer oil purifier, this machine equips the car wheels, which can be easy to move to any work point by traction. It is special suitable for purifying the transformer oil which located in different fields. This machine is mainly used for purifying unqualified transformer oil, switch oil, mutual inductor oil. Besides all functions of series ZYD, the best advantage of ZYD-M is that can move long distance for working in field according to fieldwork requirement.



Model:ZYD-200	Brand:ZHONGNENG	Code:8421299090
Product Description		
Technical Specification		

Features:

1. Mobile (trailer) type, completely closed structure, waterproof, dust proof, move easy.
2. Installation of car types, Bridge shock absorber, braking system and steel welding of entire trailer guarantee 60km/h speed.
3. Dealing with unqualified insulating oils, rapidly remove water, gas, particles from oil and improve oil BDV value highly.
4. Multi-stage precision filtration system, mesh filtration combined with molecular adsorption technologies
5. Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
6. Double-infrared liquid level sensor, pressure protective system to ensure machine operation easy and safely.
7. Adopt interlocked protective system, which connect oil pump, heater and liquid level sensor, avoiding blank heating, blank pumping, oil leak and electricity leak. If there is any fault, machine will be power off automatically.
8. Suitable for treating high-grade transformer oil, super-voltage transformer oil and new transformer oil. It can be used for filtration of more than 110V substation live line work on site.
9. Can be used as independent vacuum source with functions of vacuum drying and vacuum oiling.

Advantages:

Mobile (trailer) type, completely closed structure, waterproof, dust proof, it can move long distance for working in field. The mobile cart can be adjusted as you what angle you want and it is skid resistance in the mobile process. The unit takes high quality materials and big car wheels for the trailer and for long distance running with vibration resistant.

Technical Specification									
Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~-0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuation)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	≥ 75-85						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness		≤NAS 1638 Grade 5							

ZYD-T Ultra High Vacuum Transformer Oil Treatment Machine

ZYD-T is special for treating the used and old dielectric oil, transformer oil, mutual oil, switch oil. Comparing with the single-stage type, this machine adopts the double stages which can improve the machine's working vacuum value highly, so it can dewater, degas and remove the impurity more deeply and effectively. The dielectric value of treated 75KV. It is very suitable for the large electric&insulation equipments.



Model:ZYD-100	Brand:ZHONGNENG	Code:8421299090
Product Description		
Technical Specification		

- Features:**
1. High vacuum: High point-Vacuum≤5pa Working-vacuum≤35pa
 2. High absorption speed: Absorption speed power≥333L/Sr.
 3. Duplex 3D stereo-evaporation, eliminating the liquid water quickly
 4. Distinctive removing impurity system which filters the impurity through double FH trapezoidal network and absorbs the impurity by high polymer without the mechanical power
 5. Carbon fiber infrared heating system that can have the oil contain zero sum of ethyne after the treatment
 6. Especially applied to vacuum filling oil and drying for power transmission equipments which power are over 110KV
 7. Any insulating oil can be treated on-line at the working site.

Advantages:
Comparing with the single-stage vacuum oil purifier, this machine dewater, degas and removes the impurities more quickly, more completely, and makes the oils limiting voltage-withstand value much higher. As the bridge-type vacuum linking system that can purify and also can be an independent vacuum power supply, this machine can treat the electric insulation devices.

Technical Specification									
Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~-0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuration)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	≥ 75-85						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness		≤NAS 1638 Grade 5							

Dimensions will be changed if any special type required

ZYD-W Enclosed Weather Proof Type High Vacuum Transformer Oil Purifier

Application:

According to user's requirements, we developed Series ZYD-W Enclosed Weather Proof Type Transformer Oil Purifier , this machine is weather proof type, dust proof, and completely enclosed by high quality metallic housing. It can quickly remove water, trace water, gas, particles as well as acetylene, hydrogen, methane and other harmful ingredients from oil effectively to improve oil's dielectric strength, effectively making sure electric equipment working safely and normally. Besides all functions of series ZYD, the best advantage of ZYD-W is that can protect the machine from moisture environment and dust situation and work normally.



Model:ZYD-100

Brand:ZHONGNENG

Code:8421299090

Product Description
Techinical Specification

Features:

1. Double-stage vacuum system, strong power of vacuum evacuating, ultimate vacuum value $\leq 5\text{Pa}$.
2. Two vacuum separating chambers, efficient oil film sprayer, increasing separating size and separating time to ensure the dry-level and dielectric strength improving greatly.
3. Duplex-Stereo film evaporation technology, combined with unique and advanced dewatering, degassing components, can rapidly and effectively separate water, gas from oil.
4. Multi-stage precision filtration system, mesh filtration combined with molecular adsorption technologies.
5. Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
6. Double-infrared liquid level sensor, pressure protective system to ensure machine operation easy and safely.
7. Adopt interlocked protective system, which connect oil pump, heater and liquid level sensor, avoiding blank heating, blank pumping, oil leak and electricity leak. If there is any fault, machine will be power off automatically.
8. Functions of live line work ons ite, vacuum drying and vacuum oil filling.
9. Suitable for treating high-grade transformer oil, super-voltage transformer oil and new transformer oil. It can be used for filtration of more than 110V substation live line work on site.

Advantages:

Weather proof type, which is completely water proof, dust proof, it can protect the machine not to be damaged by raining weather, or in other bad circumstance use. So you can take use of the machine in any weather and many circumstances.

Technical Specification

Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~-0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuration)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	≥ 75-85						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness			≤NAS 1638 Grade 5						

Dimensions will be changed if any special type required

ZYD-W New Enclosed-Type Transformer Oil Filter Machine

According to user's requirements, we developed Series ZYD-W New Enclosed Weather Proof Type Transformer Oil Purifier, this machine is weather proof type, dust proof, a enclosed by high quality metallic housing. It can quickly remove water, trace water, gas, particles as well as acetylene, hydrogen, methane and other harmful ingredients from improve oil's dielectric strength, effectively making sure electric equipment working safely and normally. Besides all functions of series ZYD, the best advantage of ZYD-W is the machine from moisture environment and dust situation and work normally.



Model:ZYD-100

Brand:ZHONGNENG

Code:8421299090

Product Description
Technical Specification

Features:

1. Double-stage vacuum system, strong power of vacuum evacuating, ultimate vacuum value $\leq 5\text{Pa}$.
2. Two vacuum separating chambers, efficient oil film sprayer, increasing separating size and separating time to ensure the dry-level and dielectric strength improving greatly.
3. Duplex-Stereo film evaporation technology, combined with unique and advanced dewatering, degassing components, can rapidly and effectively separate water, gas from oil.
4. Multi-stage precision filtration system, mesh filtration combined with molecular adsorption technologies.
5. Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
6. Double-infrared liquid level sensor, pressure protective system to ensure machine operation easy and safely.
7. Adopt interlocked protective system, which connect oil pump, heater and liquid level sensor, avoiding blank heating, blank pumping, oil leak and electricity leak. If there is any fault, machine will be power off automatically.
8. Functions of live line work on site, vacuum drying and vacuum oil filling.
10. Suitable for treating high-grade transformer oil, super-voltage transformer oil and new transformer oil. It can be used for filtration of more than 110V substation live line work on site.

Advantages:

Weather proof type, which is completely water proof, dust proof, it can protect the machine not to be damaged by raining weather, or in other bad circumstance use. So you can take use of the machine in any weather and many circumstances.

Technical Specification									
Parameters		Unit	ZYD-30	ZYD-50	ZYD-100	ZYD-150	ZYD-200	ZYD-250	ZYD-300
Flow Rate		L/H	1800	3000	6000	9000	12000	15000	18000
Working Vacuum		Mpa	-0.08 ~-0.099						
Working Pressure		Mpa	≤ 0.3						
Temp Range		℃	20 ~80						
Power Supply			380V/ 50Hz/ 3Phase(As per your requirement)						
Working Noise		Db	60 - 80 (Depended on the configuration)						
Heating Power		KW	30	30	48	72	72	90	120
Total Power		KW	33	35	55	80	82	102	135
Inlet/Outlet Diam		MM	25	32	42	50	50	60	60
Weight		KG	450	550	750	950	1200	1850	2000
Size	Length	MM	1450	1450	1750	1850	1950	2050	2150
	Width	MM	950	1000	1250	1300	1350	1400	1450
	Height	MM	1700	1750	1950	2000	2050	2100	2150
AFTER TREATMENT									
Dielectric Strength		KV	≥ 75-85						
Water Content		PPM	≤ 3						
Gas Content		%	≤ 0.1						
Particle Size		μ	≤ 3						
Cleanliness			≤NAS 1638 Grade 5						

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