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Технические характеристики на установки для очистки смазочного масла TYA-I, TYA-H, TYA, TYA-P PLC, TYA- EX, ZYD-W, TYA-S компании **Zhongneng**

Виды товаров: водонепроницаемые машины для очистки смазочного масла для черного смазочного масла, центробежно-вакуумные машины для очистки масла, системы разделения эмульгированной нефти и воды, закрытые всепогодные вакуумные очистители смазочного масла, вакуумные очистители смазочного масла из нержавеющей стали, установки вакуумной очистки смазочных масел закрытого передвижного типа, машины для обработки огнестойких масел на основе эфиров фосфорной кислоты, вакуумные очистители гидравлического масла, вакуумные очистители смазочного масла, автоматические вакуумные установки для обработки смазочного масла, взрывозащищенные вакуумные очистители смазочного масла, вакуумные трансформаторные масляные очистители, высоковакуумные системы обезвоживания масла и др.

Water Proof Lubricating Oil Purification Machine for Black Lube Oil

TYA is specially designed for recovering and purifying various kind of lubricating oil, such as the lube oil,hydraulic oil, gear oil, Gear oil and etc.

Model:TYA-300
Code:8421299090

Brand:ZHONGNENG



Product Description

Applications

TYA Vacuum Oil Purifier is used for purifying various waste oil,such as the lubricating oil , biodiesel oil, fuel oil, gear oil, heat treatment oil and so on.

This machine can effectively degas, dewater, and remove the impurity and the volatile matter (ethyl alcohol, gasoline, ammonia and so on). After purification, the oil performance and some important parameters such as oil viscosity, flash point will be improved, thus ensure the safely running of machine.

This machine is widely used for various industries such as the mine, metallurgy, electric power, transportation,manufactures and so on where need to maintenance lubricating systems.

Technical Features

1. Simple push-button system; runs unattended.
2. Double primary-filter structure with large capacity for holding impurities, multi-stage filtration system to ensure high filtration precision.
3. Special polymer materials as filter medium with the functions of de-emulsification, dewatering, removing impurities.
4. Large area three-dimensional flash distillation technology, equips with unique and advanced dewatering, degassing components, can rapidly and effectively remove water, gas, particles and volatile matter(such as alcohol, gasoline, ammonia, etc.)
5. Automatic backwashing system, improving working efficiency.
6. Advanced medium cooling system.
7. Humanization design, low noise pump, deep purification and long-term free maintenance.
8. In-line low-watt density thermostatically controlled heater for safe and efficient heating of oil
9. Double-infrared liquid level sensor, pressure protective system to ensure the machine running safely.
10. Adopts interlocked protective system

Centrifugal-Vacuum Oil Purification Machine

Share to:

It is applied to recover and purify various unqualified industrial oil, with large amount of water and impurities, such as emulsified hydraulic oil, turbine oil and etc. After treatment, oil quality index is enhanced and restored. Oil can be directly used by machinery or equipment.



Model:CYD

Brand:ZHONGNENG

Code:8421299090

Product Description

Features

- ① Integrate centrifugal dehydration method with vacuum dehydration technology into one whole; completely and high efficiently and completely remove liquid water and 80% trace water
- ② Adopt high polymer material filtration system and make full use of Germany brand MAN++ centrifugal filtration technology so as to successfully eliminate the large liquid water and large size of particles from oil
- ③ With the help of vacuum dehydration system, combines the the high precision filtration method, the trace water and tiny impurities, can be thoroughly eliminated from the oil
- ④ Dstintive impurities-removing technology,combine with double FH Treapezoidal network and absorbing by high polymer material with out mechanical power.
- ⑤ With Zhongneng unique automatic foam controlling system, the oil gas corrosion can be avoid as well as smoothly operation of the whole oil treatment procedure
- ⑥ Equipped Double electromagnetic valves, over flow valve and double infrared liquid level control system so as to realize automatically oil inlet and outlet, to realize full automatic operation and totally no person on-duty.
- ⑦ Trinity inter locked preventive device, provide effective over-voltage protection, oil leakage protection and dry-heating protection.

Working Principle

- I Oil flow into the primary filter via oil inlet pump and big size particles will be removed from oil.
- I After primary filtration, oil flow into heater and being heated.
- I The heated oil flow into centrifugal separation system and completely dehydrate large amount of liquid water
- I The dehydrated oil flow into vacuum separation system via the power of vacuum dehydration and trace water will be removed.
- I Then the oil flow into fine filter and the tiny impurities will be removed. Thus the a centrifugal vacuum oil filtration process is finished.

TYA-E Emulsified Oil Water Separation System



Model:TYA-10	Brand:ZHONGNENG	Code:8421299090
Product Description		

Application:

Series TYA-E Emulsified oil water separation system is mainly for purifying unqualified lubricating oil, hydraulic oil, compressor oil, refrigeration oil and other industrial oils,which contains high water quantity. This machine can rapidly separate water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.) from oil, restoring oil viscosity, flash point and performance. The treated oil can reuse again in various industrial equipments. It is widely applied in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway etc.

Features:

- 1.Double primary-filter structure, large capacity for holding particles, Multi-stage filtration system to ensure high filtration precision.
2. Special polymer materials as filter medium with the functions of broken emulsion, dewatering, removing particles
- 3.Duplex-Stereo film evaporation technology, equips with unique and advanced dewatering, degassing components, can rapidly and effectively remove water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.)
4. Automatic backwashing system, improving working efficiency
5. Advanced medium cooling system
6. High quality filtering components, large capacity for holding particles, anti-corrosion, good mechanical performance, long lifetime.
7. Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
8. Adopts 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.

Advantages:

Good economic benefits, widely application, it is suitable for purifying various old lube oil in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway and so on. The treated oil can reuse again in various industrial equipment. It is widely applied in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway etc.

Item	Model	TYA-10	TYA-20	TYA-30	TYA-50	TYA-100	TYA-150	TYA-200	TYA-300
	Unit								
Flow rate	L/Hr	600	1200	1800	3000	6000	9000	12000	18000
Vacuum degree	Mpa	-0.06 ~ - 0.095							
Working Pressure	Mpa	≤0.4							
Temperature Degree	℃	0 ~ 100							
Power Supply		380V,3phase, 50HZ (or as required by customer)							
Working noise	DB (A)	≤75	≤75	≤75	≤78	≤78	≤78	≤80	≤82
Electric heating Power	KW	18	18	24	30	54	72	90	120
Total electric Power	KW	19.3	19.3	25.65	32	57.1	79	98	130
Inlet (outlet) Caliber	mm	Φ25	Φ25	Φ25	Φ32	Φ42	Φ50	Φ50	Φ60
Size	mm	1260x900x	1260x900x	1500x1050x1650	1600x1150x	1750x1250x	1900x1600x	1900x1700x	2100x1700x
		1500			1700	1800	1950	2000	2100
Weight	Kg	450	550	600	750	850	1000	1200	1500
AFTER TREATMENT									
Moisture (water content)					≤ 50 PPM				
Gas Content					≤0.1%				
Impurities Degree (Filtration precision)					≤1 ~ 5 micron (no free carbon)				
Demulsification					New oil≤15min, running oil≤30mi				
Cleanliness					≤NAS 1638 Grade 6				

TYA Vacuum Lubricating Oil Purifier

Share to:

Series TYA vacuum lube oil purifier is mainly for purifying unqualified lubricating oil, hydraulic oil, compressor oil, refrigeration oil and other industrial oils, this machine can remove water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.) from oil, restoring oil viscosity, flash point and performance. The treated oil can reuse as industrial equipments. It is widely applied in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway etc.



Brand:ZHONGNENG

Code:8421299090

Model:TYA-20 Product Description

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Technical Specification

Features:

- 1.Double primary-filter structure, large capacity for holding particles, Multi-stage filtration system to ensure high filtration precision.
- 2.Special polymer materials as filter medium with the functions of broken emulsion, dewatering, removing particles
- 3.Duplex-Stereo film evaporation technology, equips with unique and advanced dewatering, degassing components, can rapidly and effectively remove water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.)
- 4Automatic backwashing system, improving working efficiency
- 5.Advanced medium cooling system
- 6.High quality filtering components, large capacity for holding particles, anti-corrosion, good mechanical performance, long lifetime.
- 7.Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
- 8.Adopts 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.

Advantages:

Good economic benefits, widely application, it is suitable for purifying various old lube oil in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway and so on.

TYA-EX Explosion Proof Type Vacuum Lubricating Oil Purifier Machine

Share to:

Application:

The series TYA-EX explosion proof type vacuum Lubricating oil purifier machine is applied to use for some special working situation, to avoid the dangerous factors from en purify various high-precision lubricating oil such as hydraulic oil, mechanical oil, coolant oil, gear oil, heat treatment oil and so on. All electric motors used for this machine is The Explosion proof grade is DIIBT4.



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

Features:

1. The machine adopt deeply and precisely FH rectangular filtering system and highly polymeric adsorbing material filter. So the machine have strong ability to remove the impurity, which can filter the dirt particles completely.
2. We adopt the high quality filter materials, which has a good function in anti-corrosive, thermostable, mechanical strength. Especially, the precision of eliminates impurity is high and the service life is long. Also, it has a large volume for storing the impurities.
3. The combination of coalescing separation filter and vacuum dewater system which dewatering effectively and thoroughly.
4. The unique degas and dewater technology: Using the Stereo-Evaporation technical, which can separate the water and gas from the oil quickly by the Multi-level water-oil separation technology. It can remove the free and dissolved water from the oil thoroughly.
5. It has the back flush system, which can clear impurities automatically.
3. Strong capability of breaking emulsification.
7. Advanced dielectric condensation device
8. This machine installs the new pressure protector, which can control the temperature automatically; also it can drain water on line by the water-separator device. So it is easy to control this machine.
9. The all electric motor is Anti-explosion. The Explosion proof grade is DIIBT4.
10. Adopt Double-infrared fluid level auto-control systems which can control oil inlet and oil outlet automatic.
11. Adopt a trinity of interlocked preventive device.

Advantages:

This oil purification can fast degas, dewater, and remove the impurity and the volatile matter (for example ethyl alcohol, gasoline, ammonia and so on). Enhances the oil quality, restores the lubricating oil viscosity, augments the flash point and improves the operational performance. Guaranteed the hydraulic system and the dynamic system, the lubrication system normal operation, so the machine is suit for many lines, such as the mine, metallurgy, electric power, transportation, manufactures and so on.

TYA-H Vacuum Hydraulic Oil Purifier



Application:

Series TYA vacuum hydraulic oil purifier is mainly for purifying unqualified lubricating oil, hydraulic oil, compressor oil, refrigeration oil and other industrial oils, th rapidly separate water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.) from oil, restoring oil viscosity, flash point and performance. The t reuse again in various industrial equipments. It is widely applied in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing

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

Features:

1. Double primary-filter structure, large capacity for holding particles, Multi-stage filtration system to ensure high filtration precision.
2. Special polymer materials as filter medium with the functions of broken emulsion, dewatering, removing particles
3. Duplex-Stereo film evaporation technology, equips with unique and advanced dewatering, degassing components, can rapidly and effectively remove water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.)
4. Automatic backwashing system, improving working efficiency
5. Advanced medium cooling system
6. High quality filtering components, large capacity for holding particles, anti-corrosion, good mechanical performance, long lifetime.
7. Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
8. Adopts 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.
9. Strong capability of breaking emulsification.

Advantages:

Hydraulic lubricating oil treated by this machine contains so low emulsification value, few water content and impurities that it can be used repeatedly in the highly precise hydraulic lubricating equipment at home and abroad. This series can fast degas, dewater, and remove the impurity and the volatile matter (for example ethyl alcohol, gasoline, ammonia and so on). Enhances the oil quality, restores the lubricating oil viscosity, augments the flash point and improves the operational performance. Guaranteed the hydraulic system and the dynamic system, the lubrication system normal operation, so the machine is suit for many lines, such as the mine, metallurgy, electric power, transportation, manufactures and so on.

TYA-I Phosphate Ester Fire-Resistant Vacuum Oil Purifier

Application:

Series TYA-I fire resistant oil purifier is aimed to treat and regenerate fire-resistant hydraulic oil in the big and medium-size thermoelectric generator speed-governing system, this machine can rapidly separate water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.) from oil, restoring oil viscosity, flash point and performance. The treated oil can reuse again in various industrial equipments. It is widely applied in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway etc.



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

Features:

1. With the strong ability to filter the impurity, which can filter the particles completely.
2. It has the back flush system, which can clear impurities automatically.
3. Advanced dielectric condensation device
4. This machine installs the new pressure protector, which can control the temperature automatically; also it can drain water on line by the water-separator device. So it is easy to control this machine.
5. We adopt the high quality filter materials, which has a good function in anti-corrosive, thermostable, mechanical strength. Especially, the precision of eliminates impurity is high and the service life is long. Also, it has a large volume for storing the impurities.
6. The unique degas and dewater system: Using the Stereo-Evaporation technical, which can separate the water and gas from the oil quickly by the Multi-Level water-oil separation technology.

Advantage:

Strong impurity removing capability. The large area and intensive precise filtration materials can remove the granules in the oil and meanwhile its automatic back flushing function can automatically clean the large quantity of residues impurities withheld by filter. Which serves as a substitute for system cleaning device and can bring a serious contaminated oil system back to Running turbine oil be polluted control standard. It adopts advanced infrared liquid level control system which enables a man-machine separated operation. Its automatic, portable, safe and reliable. And simple on operation.

TYA-I Phosphate Ester Fire-Resistant Oil Treatment Machine

Application:

Series TYA-I Phosphate Ester Fire-Resistant oil purifier is aimed to treat and regenerate fire-resistant hydraulic oil in the big and medium-size thermoelectric generator speed-governing system, this machine can rapidly separate water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.) from oil, restoring oil viscosity, flash point and performance. The treated oil can reuse again in various industrial equipments. It is widely applied in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway etc.



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

Features:

1. With the strong ability to filter the impurity, which can filter the particles completely.
2. It has the back flush system, which can clear impurities automatically.
3. Advanced dielectric condensation device
4. This machine installs the new pressure protector, which can control the temperature automatically; also it can drain water on line by the water-separator device. So it is easy to control this machine.
5. We adopt the high quality filter materials, which has a good function in anti-corrosive, thermostable, mechanical strength. Especially, the precision of eliminates impurity is high and the service life is long. Also, it has a large volume for storing the impurities.
6. The unique degas and dewater system: Using the Stereo-Evaporation technical, which can separate the water and gas from the oil quickly by the Multi-Level water-oil separation technology.

Advantage:

Strong impurity removing capability. The large area and intensive precise filtration materials can remove the granules in the oil and meanwhile its automatic back flushing function can automatically clean the large quantity of residues impurities withheld by filter. Which serves as a substitute for system cleaning device and can bring a serious contaminated oil system back to Running turbine oil be polluted control standard. It adopts advanced infrared liquid level control system which enables a man-machine separated operation. Its automatic, portable, safe and reliable. And simple on operation.

TYA-M Enclosed Mobile Type Vacuum Lube Oil Purification Plant

Share to

Application:

Considering fieldwork requirements from customers,we developed TYA-, mobile oil purifier machine to mounted on trailer, two-wheel model or four-wheel type are available, which can be easily pulled to any work site. This machine can recover the seriously emulsified and contaminated lube oil, hydraulic oil, gear oil etc. After treatment the lubricant oil can be reused again like new oil.



Model:TYA-300	Brand:ZHONGNENG	Code:8421299090
Product Description		
Technical Specification		

Features:

1. Mobile (trailer) type, completely closed structure, waterproof, dustproof, move easy.
2. Installation of car tyres, Bridge shock absorber, braking system and steel welding of entire trailer guarantee 60km/h speed.
3. Dealing with unqualified lube oils, rapidly remove water, gas, particles 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.

Advantages:

Mobile (trailer) type, completely closed structure, waterproof, dustproof, it can move long distance working in field. According to the lubricating oils nature, this machine can rapidly remove water, gas, particulate matters and impurities from lubrication oil, so guarantee lubricating system of machine to work properly and prolong lifetime of machine.

TYA-P PLC Automatic Vacuum Lube Oil Treatment Machine



Share to:

Application:

TYA-P automatic lube oil purifier is Adopted PLC intelligent control system with touch screen and dynamical display makes it easy to operate. Since it's equipped with machine can run automatically. So it is labor saving, higher efficiency for oil filtration on site work. It is used to treat unqualified lube oil including hydraulic oil, mec coolant oil, gear oil etc.

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

Features:

- 1: Rapid speed for dewatering, degasify and removing impurities from waste high viscosity lube oil used for lubricating equipments, and after treatment, the treated oil can reach to cleanness NAS 6.
- 2: Strong capability of breaking emulsified thoroughly with special material filters.
- 3: Adopt advanced technology for combination of coalescing separation and vacuum dewatering, to get the high precise of water and gas content.
- 4: Newly developed auto double-infrared fluid level control system, replace of manual or floating ball valve control, to ensure operation safety of this model.
- 5: Automatic back-flushing system, can clean the filters by the machine itself, to timely maintain the filters and extend its service life.
- 6: Carbon fiber infrared heating system not only can heat the oil equably and rapidly, but also a environment-friendly way for oil heating.
- 7: Nice outlook of the machine, advanced design, reliable quality, reasonable price and considerate service.
- 8: PLC fully automatic electric control system can help you filtering your oil faster and much easier on operation.

Advantages:

This unit can fast degas, dewater, and remove impurities and volatile matter (for example ethyl alcohol, gasoline, ammonia and so on) without people to operate. It enhances the oil quality and restores the lube oil viscosity, flash point as well as improves the oil durability. Smooth running of hydraulic system, dynamic system and lubricating system will be totally guaranteed.

TYA-R Vacuum Lubricating Oil Regeneration Purifier Machine



Application:

The series TYA-R vacuum Lubricating oil regeneration purifier machine is applied to purify various high-precision lubricating oil such as hydraulic oil, mechanical oil, coolant oil, gear oil, heat treatment oil and so on. It is used to treat unqualified hydraulic lube oil, especially for those contain high value of acidity.

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

Features:

- 1.The machine adopt deeply and precisely FH rectangular filtering system and highly polymeric adsorbing material filter. So the machine have strong ability to remove the impurity, which can filter the dirt particles completely.
- 2. We adopt the high quality filter materials, which has a good function in anti-corrosive, thermostable, mechanical strength. Especially, the precision of eliminates impurity is high and the service life is long. Also, it has a large volume for storing the impurities.
- 3. The combination of coalescing separation filter and vacuum dewater system which dewatering effectively and thoroughly.
- 4. The unique degas and dewater technology: Using the Stereo-Evaporation technical, which can separate the water and gas from the oil quickly by the Multi-level water-oil separation technology. It can remove the free and dissolved water from the oil thoroughly.
- 5. It has the back flush system, which can clear impurities automatically.
- 6. Strong capability of breaking emulsification.
- 7. Advanced dielectric condensation device
- 8. This machine installs the new pressure protector, which can control the temperature automatically; also it can drain water on line by the water-separator device. So it is easy to control this machine.

Advantages:

Maintaining lubricant cleanliness is KEY to increasing component life, increasing lubricant life, and reducing costly routine maintenance. Clean, dry lubricants will improve machine performance and longevity. TYA-R series oil recycling machine can rapidly remove water, gas, particulate matters and impurities from lubrication oil and improve properties of lubricating oil so as to greatly extend lifetime of machinery which has lubrication system.

TYA-R Vacuum Waste Oil Regeneration Plant



Application:

The series TYA-R Vacuum Waste Oil Regeneration Plant is applied to purify various high-precision lubricating oil such as hydraulic oil, mechanical oil, coolant oil, gear oil, heat treatment oil and so on. It is used to treat unqualified hydraulic lube oil, especially for those contain high value of acidity.

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

- Features:**
- 2.The machine adopt deeply and precisely FH rectangular filtering system and highly polymeric adsorbing material filter. So the machine have strong ability to remove the impurity, which can filter the dirt particles completely.
 - 2. We adopt the high quality filter materials, which has a good function in anti-corrosive, thermostable, mechanical strength. Especially, the precision of eliminates impurity is high and the service life is long. Also, it has a large volume for storing the impurities.
 - 3. The combination of coalescing separation filter and vacuum dewater system which dewatering effectively and thoroughly.
 - 4. The unique degas and dewater technology: Using the Stereo-Evaporation technical, which can separate the water and gas from the oil quickly by the Multi-level water-oil separation technology. It can remove the free and dissolved water from the oil thoroughly.
 - 5. It has the back flush system, which can clear impurities automatically.
 - 6. Strong capability of breaking emulsification.
 - 7. Advanced dielectric condensation device
 - 8. This machine installs the new pressure protector, which can control the temperature automatically; also it can drain water on line by the water-separator device. So it is easy to control this machine.

Advantages:

Maintaining lubricant cleanliness is KEY to increasing component life, increasing lubricant life, and reducing costly routine maintenance. Clean, dry lubricants will improve machine performance and longevity. TYA-R series oil recycling machine can rapidly remove water, gas, particulate matters and impurities from lubrication oil and improve properties of lubricating oil so as to greatly extend lifetime of machinery which has lubrication system.

TYA-S High Vacuum Oil Dehydration System



Product Description

Application:
Series TYA-E high vacuum oil dehydration system is mainly for purifying unqualified lubricating oil, hydraulic oil, compressor oil, refrigeration oil and other industrial oils, which contains high water quantity. This machine can rapidly separate water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.) from oil, restoring oil viscosity, flash point and performance. The treated oil can reuse again in various industrial equipments. It is widely applied in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway etc.

- Features:**
- 1. Double primary-filter structure, large capacity for holding particles, Multi-stage filtration system to ensure high filtration precision.
 - 2. Special polymer materials as filter medium with the functions of broken emulsion, dewatering, removing particles
 - 3. Duplex-Stereo film evaporation technology, equips with unique and advanced dewatering, degassing components, can rapidly and effectively remove water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.)
 - 4. Automatic backwashing system, improving working efficiency
 - 5. Advanced medium cooling system
 - 6. High quality filtering components, large capacity for holding particles, anti-corrosion, good mechanical performance, long lifetime.
 - 7. Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
 - 8. Adopts 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.

Advantages:
Good economic benefits, widely application, it is suitable for purifying various old lube oil in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway and so on. The treated oil can reuse again in various industrial equipment. It is widely applied in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway etc.

Item	Model	TYA-10	TYA-20	TYA-30	TYA-50	TYA-100	TYA-150	TYA-200	TYA-300
	Unit								
Flow rate	L/Hr	600	1200	1800	3000	6000	9000	12000	18000
Vacuum degree	Mpa	-0.06 ~ - 0.095							
Working Pressure	Mpa	≤0.4							
Temperature Degree	℃	0 ~ 100							
Power Supply		380V,3phase, 50HZ (or as required by customer)							
Working noise	DB (A)	≤75	≤75	≤75	≤78	≤78	≤78	≤80	≤82
Electric heating Power	KW	18	18	24	30	54	72	90	120
Total electric Power	KW	19.3	19.3	25.65	32	57.1	79	98	130
Inlet (outlet) Caliber	mm	Φ25	Φ25	Φ25	Φ32	Φ42	Φ50	Φ50	Φ60
Size	mm	1260x900x	1260x900x	1500x1050x1650	1600x1150x	1750x1250x	1900x1600x	1900x1700x	2100x1700x
		1500			1700	1800	1950	2000	2100
Weight	Kg	450	550	600	750	850	1000	1200	1500
AFTER TREATMENT									
Moisture (water content)					≤ 50 PPM				
Gas Content					≤0.1%				
Impurities Degree (Filtration precision)					≤1 ~ 5 micron (no free carbon)				
Demulsification					New oil≤15min, running oil≤30mi				
Cleanliness					≤NAS 1638 Grade 6				

Dimensions will be changed if any special type required

TYA-S Vacuum Stainless Steel Lube Oil Purifier

Application:

Series TYA vacuum stainless steel lube oil purifier is manufactured of high quality stainless steel material for the whole machine body, it is mainly for purifying unqualified lubricating oil, hydraulic oil, compressor oil, refrigeration oil and other industrial oils which may contain high content acidity, this machine can rapidly separate water, gas, particles, acidity and volatile matter (such as alcohol, gasoline, ammonia, etc.) from oil, restoring oil viscosity, flash point and performance.



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

Features:

- 1.Double primary-filter structure, large capacity for holding particles, Multi-stage filtration system to ensure high filtration precision.
- 2. Special polymer materials as filter medium with the functions of broken emulsion, dewatering, removing particles
- 3.Duplex-Stereo film evaporation technology, equips with unique and advanced dewatering, degassing components, can rapidly and effectively remove water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.)
- 4. Automatic backwashing system, improving working efficiency
- 5. Advanced medium cooling system
- 6. High quality filtering components, large capacity for holding particles, anti-corrosion, good mechanical performance, long lifetime.
- 7. Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
- 8. Adopts 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.
- 9.The machine's body is made of acid and dissolving resistant stainless steel; the stage-to-stage dandified filter element is made of special materials.

Advantages:

The treated oil can reuse again in various industrial equipment. It is widely applied in petroleum, chemical, mining, metallurgy, electric power, transportation, machinery manufacturing, railway etc.Guaranteed the hydraulic system and the dynamic system, the lubrication system normal operation, so the machine is suit for many lines, such as the mine, metallurgy, electric power, transportation, manufactures and so on.

TYA-W Enclosed Weather Proof Vacuum Lube Oil Purifier

Application:

Considering fieldwork requirement, this machine is totally enclosed type, weather proof type, dust proof, and completely enclosed by high quality metallic housing. It can work efficiently even in the bad weather condition. This machine especially for purifying all kinds of lubricating oil such as the hydraulic oil, mechanical oil, coolant oil, gear oil, and heat treatment oil and so on.



Model:TYA-W-100

Brand:ZHONGNENG

Code:8421299090

Product Description

Technical Specification

Features:

- 1.Double primary-filter structure, large capacity for holding particles, Multi-stage filtration system to ensure high filtration precision.
- 2. Special polymer materials as filter medium with the functions of broken emulsion, dewatering, removing particles
- 3.Duplex-Stereo film evaporation technology, equips with unique and advanced dewatering, degassing components, can rapidly and effectively remove water, gas, particles and volatile matter (such as alcohol, gasoline, ammonia, etc.)
- 4. Automatic backwashing system, improving working efficiency
- 5. Advanced medium cooling system
- 6. High quality filtering components, large capacity for holding particles, anti-corrosion, good mechanical performance, long lifetime.
- 7. Efficient electric heating system, heating uniformity, less power consumption, safe, and reliable.
- 8. Adopts 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.
- 10. Strong capability of breaking emulsification.
- 11.Completely closed structure, waterproof, dustproof, bad weather protection.

Advantages:

Lubricating oil treated by this machine contains so low emulsification value, few water content and impurities that it can be used repeatedly in the highly precise hydraulic

lubricating equipment at home and abroad. This series can fast degas, dewater, and remove the impurity and the volatile matter (for example ethyl alcohol, gasoline, ammonia and so on). Enhances the oil quality, restores the lubricating oil viscosity, augments the flash point and improves the operational performance. Guaranteed the hydraulic system and the dynamic system, the lubrication system normal operation, so the machine is suit for many lines, such as the mine, metallurgy, electric power, transportation, manufactures and so on.

Technical Specification									
Item	Model Unit	TYA-10	TYA-20	TYA-30	TYA-50	TYA-100	TYA-150	TYA-200	TYA-300
Flow rate	L/Hr	600	1200	1800	3000	6000	9000	12000	18000
Vacuum degree	Mpa	-0.06 ~ - 0.095							
Working Pressure	Mpa	≤0.4							
Temperature Degree	℃	0 ~ 100							
Power Supply		380V,3phase, 50HZ (or as required by customer)							
Working noise	DB (A)	≤75	≤75	≤75	≤78	≤78	≤78	≤80	≤82
Electric heating Power	KW	18	18	24	30	54	72	90	120
Total electric Power	KW	19.3	19.3	25.65	32	57.1	79	98	130
Inlet (outlet) Caliber	mm	Φ25	Φ25	Φ25	Φ32	Φ42	Φ50	Φ50	Φ60
Size	mm	1260x900x 1500	1260x900x 1600	1500x1050x1650	1600x1150x 1700	1750x1250x 1800	1900x1600x 1950	1900x1700x 2000	2100x1700x 2100
Weight	Kg	450	550	600	750	850	1000	1200	1500
AFTER TREATMENT									
Moisture (water content)					≤ 50 PPM				
Gas Content					≤0.1%				
Impurities Degree (Filtration precision)					≤1 ~ 5 micron (no free carbon)				
Demulsification					New oil≤15min, running oil≤30mi				
Cleanliness					≤NAS 1638 Grade 6				

Dimensions will be changed if any special type required

ZYD-W New Housing Type Vacuum Transformer Oil Purifier



Product Description

Application:

According to user's requirements, we developed Series ZYD-W New Housing Type 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.

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.
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.

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

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