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Череповец (8202)49-02-64
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Технические характеристики на установки для очистки растительного масла, машины для предварительной обработки биодизельного масла COP-W, USO, COP-S, COP-P PLC, COP-B USO, COP компании Zhongneng

Виды товаров: закрытые всепогодные вакуумные очистители, вакуумные машины для очистки растительного масла из нержавеющей стали, автоматические системы вакуумной очистки масла, машины для предварительной обработки биодизельного масла, вакуумные установки для очистки растительного масла.

COP-W Enclosed Weather Proof Vacuum UCO Purifier

Application:

Series COP-W Enclosed Weather Proof Vacuum UCO Purifier, free of weather influence, is especially designed to remove water, gases and particulates from waste cooking oils, vegetable oils, palm oil, rapeseed oil, sunflower seed oil, olive oil, peanut oil coconut oil, etc.



Model:*COP-W-50*

Brand:*ZHONGNENG*

Code:*8421299090*

Product Description

Technical Specification

Features:

1. This plant is composed of two parts, one is the press filter, and the other is the vacuum oil purifier system. The press filter can remove the big or tiny impurities; The precision of purification can reach to 1 Micro. The vacuum system is equiped with filters of three grades (primary filter, mass water separator, and fine filer). All processes are under vacuum condition.
2. The primary filter, which is made of the stainlessness steel, is anti-rust and anti-corrupt. It mainly removes the residual impurities which escape from the press filter, making sure the treated oil won't have any impurity when it goes into the water separator and vacuum separator.
3. The water separator, which is equiped with a special filter, mainly removes the mass water from the oil. Usually the waste cooking oil contains much water and it need to be removed from the oil. After the water separator, the oil just contains the tiny water and soluble water.
4. After the process of the water separator, the oil will goes into the vacuum separator which adopts three-dimensional duplex evaporation and film evaporation. For protecting the oil nature, it is better that the oil temperature is lower than 80℃. Because our machine works under the vacuum and low pressure condition, so the oil doesn't need to be heated to 100 ℃ and usually it just need to be heated to 45 ℃. Then the tiny water, soluble water, acid, alcohol, other volatility liquid and so on can be removed completely and effectively.
5. For the fine filter, which is equips with the stainless steel filter, the purification hole is less than 1 Micro, which can make sure the filtered oil is completely clear without any impurity.
6. It adopts back flushing system, which can clear impurities automatically.
7. We uses stainless steel filter element which is good at anti-corrosion. Especially, the precision of filtering impurities is quite high and the service life is long. Also, it has a back flushing system for storing the impurities.
8. Its unique degassing and dewatering system adopts the 3D-evaporation technique and thin film evaporation, which can separate the trace water, soluble water and gas from the oil quickly by the multi-level water-oil separation technology.
9. Highly automatic operation. convenient, reliable, and safe.

Advantages:

According cooking oil nature, the used cooking oil/vegetable oil includes high water, more acid matter, much impurities and offensive odor. This machine adopts Plate Pressure system can separate the sundry matters and water from the oil quickly, and break the oil emulsification effectively. Then superadded two primaries filter and fine filter, it can remove impurities thoroughly. Next, the machine adopts highly vacuum system to dewater system to dehydrate and deodorize the oil fast. In addition, this machine use stainless steel filter element, it resists the acid in oil strongly. So after the treatment by the machine, you can get a new fresh oil compared the before oil with water, particles, gas contaminants, and the used cooking oil/vegetable oil will become limpidity, and fresh quality, and has good quality to produce other products, such as biodiesel, soaps, and so on.

Technical Specification

| Item | | Unit | COP-10 | COP-20 | COP-30 | COP-50 | COP-100 | COP-150 | COP-200 | COP-300 |
|-------------------|--------|-------|--|--------|--------|--------|---------|---------|---------|---------|
| Flow | | L/min | 10 | 20 | 30 | 50 | 100 | 150 | 200 | 300 |
| Working vacuum | | MPa | -0.06~-0.095 | | | | | | | |
| Working Pressure | | MPa | ≤0.4 | | | | | | | |
| Temperature Range | | ℃ | 0~100 | | | | | | | |
| Water Content | | PPM | ≤80 | | | | | | | |
| Cleanness | | NAS | ≤Grade 6 | | | | | | | |
| Power supply | | | Three Phase 50HZ 380V (as per the customer's requirements) | | | | | | | |
| Working Noise | | Db(A) | ≤75 | ≤75 | ≤75 | ≤78 | ≤78 | ≤78 | ≤80 | ≤82 |
| Heating Power | | kW | 36 | 40 | 45 | 60 | 90 | 120 | 180 | 195 |
| Total Power | | kW | 38 | 42 | 47 | 65 | 96 | 127 | 197 | 217 |
| Inlet/Outlet | | mm | φ25 | φ25 | φ25 | φ32 | φ42 | φ42 | φ50 | φ60 |
| Weight | | kg | 450 | 550 | 600 | 750 | 850 | 1000 | 1200 | 150 |
| Overall | Length | mm | 1500 | 1500 | 1500 | 1600 | 1750 | 1900 | 1900 | 2100 |
| | Width | mm | 1000 | 1050 | 1050 | 1150 | 1250 | 1600 | 1700 | 1700 |
| | Height | mm | 1500 | 1600 | 1650 | 1700 | 1800 | 1950 | 2000 | 2100 |

Dimensions will be changed if any special type required

COP-S Stainless Steel Vacuum Used Cooking Oil Purification Machine

Share to:

Application:

Series COP-S Stainless Steel Vacuum Used Cooking Oil Purification Machine, adopting stainless steel raw materials, is especially designed to remove water, gases and particulates from waste cooking oils, vegetable oils, palm oil, rapeseed oil, sunflower seed oil, olive oil, peanut oil coconut oil, etc.



| | | |
|-------------------------|-----------------|-----------------|
| Model:COP-S-20 | Brand:ZHONGNENG | Code:8421299090 |
| Product Description | | |
| Technical Specification | | |

- Features:**
1. This plant is composed of two parts, one is the press filter, and the other is the vacuum oil purifier system. The press filter can remove the big or tiny impurities; The precision of purification can reach to 1 Micro. The vacuum system is equipped with filters of three grades (primary filter, mass water separator, and fine filter). All processes are under vacuum condition.
 2. The primary filter, which is made of the stainlessness steel, is anti-rust and anti-corrupt. It mainly removes the residual impurities which escape from the press filter, making sure the treated oil won't have any impurity when it goes into the water separator and vacuum separator.
 3. The water separator, which is equipped with a special filter, mainly removes the mass water from the oil. Usually the waste cooking oil contains much water and it need to be removed from the oil. After the water separator, the oil just contains the tiny water and soluble water.
 4. After the process of the water separator, the oil will goes into the vacuum separator which adopts three-dimensional duplex evaporation and film evaporation. For protecting the oil nature, it is better that the oil temperature is lower than 80℃. Because our machine works under the vacuum and low pressure condition, so the oil doesn't need to be heated to 100 ℃ and usually it just need to be heated to 45 ℃. Then the tiny water, soluble water, acid, alcohol, other volatility liquid and so on can be removed completely and effectively.
 5. For the fine filter, which is equips with the stainless steel filter, the purification hole is less than 1 Micro, which can make sure the filtered oil is completely clear without any impurity.
 6. It adopts back flushing system, which can clear impurities automatically.
 7. We uses stainless steel filter element which is good at anti-corrosion. Especially, the precision of filtering impurities is quite high and the service life is long. Also, it has a large volume for storing the impurities.
 - 8.Its unique degassing and dewatering system adopts the 3D-evaporation technique and thin film evaporation, which can separate the trace water, soluble water and gas from the oil quickly by the multi-level water-oil separation technology.
 9. Highly automatic operation. convenient, reliable, and safe.

Advantages:

According cooking oil nature, the used cooking oil/vegetable oil includes high water, more acid matter, much impurities and offensive odor. This machine adopts Plate Pressure system can separate the sundry matters and water from the oil quickly, and break the oil emulsification effectively. Then superadded two primaries filter and fine filter, it can remove impurities thoroughly. Next, the machine adopts highly vacuum system to dewater system to dehydrate and deodorize the oil fast. In addition,

this machine use stainless steel filter element, it resists the acid in oil strongly. So after the treatment by the machine, you can get a new fresh oil compared the

before oil with water, particles, gas contaminants, and the used cooking oil/vegetable oil will become limpidity, and fresh quality, and has good quality to produce other products, such as biodiesel, soaps, and so on.

| | | | | | | | | | |
|-------------------------|--------|--|--------|--------|--------|---------|---------|---------|---------|
| Technical Specification | | | | | | | | | |
| Item | Unit | COP-10 | COP-20 | COP-30 | COP-50 | COP-100 | COP-150 | COP-200 | COP-300 |
| Flow | L/min | 10 | 20 | 30 | 50 | 100 | 150 | 200 | 300 |
| Working vacuum | MPa | -0.06~-0.095 | | | | | | | |
| Working Pressure | MPa | ≤0.4 | | | | | | | |
| Temperature Range | ℃ | 0~100 | | | | | | | |
| Water Content | PPM | ≤80 | | | | | | | |
| Cleanness | NAS | ≤Grade 6 | | | | | | | |
| Power supply | | Three Phase 50HZ 380V (as per the customer's requirements) | | | | | | | |
| Working Noise | Db(A) | ≤75 | ≤75 | ≤75 | ≤78 | ≤78 | ≤78 | ≤80 | ≤82 |
| Heating Power | kW | 36 | 40 | 45 | 60 | 90 | 120 | 180 | 195 |
| Total Power | kW | 38 | 42 | 47 | 65 | 96 | 127 | 197 | 217 |
| Inlet/Outlet | mm | φ25 | φ25 | Φ25 | Φ32 | φ42 | Φ42 | Φ50 | φ60 |
| Weight | kg | 450 | 550 | 600 | 750 | 850 | 1000 | 1200 | 150 |
| Overall | Length | mm | 1500 | 1500 | 1500 | 1600 | 1750 | 1900 | 2100 |
| | Width | mm | 1000 | 1050 | 1050 | 1150 | 1250 | 1600 | 1700 |
| | Height | mm | 1500 | 1600 | 1650 | 1700 | 1800 | 1950 | 2100 |

COP-P PLC Automatic Vacuum UCO Treatment System



Series COP-P PLC Automatic Vacuum UCO Treatment System, without person on duty, adopts PLC full automatic control system to use for the electric controls, it is special for purifying all various used cooking oils.

| | | |
|-------------------------|-----------------|-----------------|
| Model:COP-P-50 | Brand:ZHONGNENG | Code:8421299090 |
| Product Description | | |
| Technical Specification | | |

- Features:**
1. This plant is composed of two parts, one is the press filter, and the other is the vacuum oil purifier system. The press filter can remove the big or tiny impurities; The precision of purification can reach to 1 Micro. The vacuum system is equipped with filters of three grades (primary filter, mass water separator, and fine filter). All processes are under vacuum condition.
 2. The primary filter, which is made of the stainlessness steel, is anti-rust and anti-corrupt. It mainly removes the residual impurities which escape from the press filter, making sure the treated oil won't have any impurity when it goes into the water separator and vacuum separator.
 3. The water separator, which is equipped with a special filter, mainly removes the mass water from the oil. Usually the waste cooking oil contains much water and it need to be removed from the oil. After the water separator, the oil just contains the tiny water and soluble water.
 4. After the process of the water separator, the oil will goes into the vacuum separator which adopts three-dimensional duplex evaporation and film evaporation. For protecting the oil nature, it is better that the oil temperature is lower than 80℃. Because our machine works under the vacuum and low pressure condition, so the oil doesn't need to be heated to 100 ℃ and usually it just need to be heated to 45 ℃. Then the tiny water, soluble water, acid, alcohol, other volatility liquid and so on can be removed completely and effectively.
 5. For the fine filter, which is equips with the stainless steel filter, the purification hole is less than 1 Micro, which can make sure the filtered oil is completely clear without any impurity.
 6. It adopts back flushing system, which can clear impurities automatically.
 7. We uses stainless steel filter element which is good at anti-corrosion. Especially, the precision of filtering impurities is quite high and the service life is long. Also, it has a large volume for storing the impurities.
 8. Its unique degassing and dewatering system adopts the 3D-evaporation technique and thin film evaporation, which can separate the trace water, soluble water and gas from the oil quickly by the multi-level water-oil separation technology.
 9. Highly automatic operation. convenient, reliable, and safe.

Advantages:

According cooking oil nature, the used cooking oil/vegetable oil includes high water, more acid matter, much impurities and offensive odor. This machine adopts Plate Pressure system can

separate the sundry matters and water from the oil quickly, and break the oil emulsification effectively. Then superadded two primaries filter and fine filter, it can remove impurities thoroughly. Next, the machine adopts highly vacuum system to dewater system to dehydrate and deodorize the oil fast. In addition, this machine use stainless steel filter element, it resists the acid in oil strongly. So after the treatment by the machine, you can get a new fresh oil compared the before oil with water, particles, gas contaminants, and the used cooking oil/vegetable oil will become limpidity, and fresh quality, and has good quality to produce other products, such as biodiesel, soaps, and so on.

| Technical Specification | | | | | | | | | |
|-------------------------|--------|--|--------|--------|--------|---------|---------|---------|---------|
| Item | Unit | COP-10 | COP-20 | COP-30 | COP-50 | COP-100 | COP-150 | COP-200 | COP-300 |
| Flow | L/min | 10 | 20 | 30 | 50 | 100 | 150 | 200 | 300 |
| Working vacuum | MPa | -0.06~-0.095 | | | | | | | |
| Working Pressure | MPa | ≤0.4 | | | | | | | |
| Temperature Range | ℃ | 0~100 | | | | | | | |
| Water Content | PPM | ≤80 | | | | | | | |
| Cleanness | NAS | ≤Grade 6 | | | | | | | |
| Power supply | | Three Phase 50HZ 380V (as per the customer's requirements) | | | | | | | |
| Working Noise | Db(A) | ≤75 | ≤75 | ≤75 | ≤78 | ≤78 | ≤78 | ≤80 | ≤82 |
| Heating Power | kW | 36 | 40 | 45 | 60 | 90 | 120 | 180 | 195 |
| Total Power | kW | 38 | 42 | 47 | 65 | 96 | 127 | 197 | 217 |
| Inlet/Outlet | mm | φ25 | φ25 | φ25 | φ32 | φ42 | φ42 | φ50 | φ60 |
| Weight | kg | 450 | 550 | 600 | 750 | 850 | 1000 | 1200 | 150 |
| Overall | Length | mm | 1500 | 1500 | 1500 | 1600 | 1750 | 1900 | 2100 |
| | Width | mm | 1000 | 1050 | 1050 | 1150 | 1250 | 1600 | 1700 |
| | Height | mm | 1500 | 1600 | 1650 | 1700 | 1800 | 1950 | 2100 |

COP-B UCO/Bio-diesel Oil Pre-Treatment Filtration Machine

COP-B UCO/Bio-diesel Oil Pre-Treatment Filtration Machine, can do pre-treatment for bio-diesel oil . It is especially designed to remove water, gases and particulates from waste cooking oils, vegetable oils, palm oil, rapeseed oil, sunflower seed oil, olive oil, peanut oil coconut oil, etc.



| | | |
|-------------------------|-------------------------|-------------------------|
| Model: <i>COP-B-30</i> | Brand: <i>ZHONGNENG</i> | Code: <i>8421299090</i> |
| Product Description | | |
| Technical Specification | | |

Features:

1. This plant is composed of two parts, one is the press filter, and the other is the vacuum oil purifier system. The press filter can remove the big or tiny impurities; The precision of purification can reach to 1 Micro. The vacuum system is equipped with filters of three grades (primary filter, mass water separator, and fine filter). All processes are under vacuum condition.
2. The primary filter, which is made of the stainlessness steel, is anti-rust and anti-corrupt. It mainly removes the residual impurities which escape from the press filter, making sure the treated oil won't have any impurity when it goes into the water separator and vacuum separator.
3. The water separator, which is equipped with a special filter, mainly removes the mass water from the oil. Usually the waste cooking oil contains much water and it need to be removed from the oil. After the water separator, the oil just contains the tiny water and soluble water.
4. After the process of the water separator, the oil will goes into the vacuum separator which adopts three-dimensional duplex evaporation and film evaporation. For protecting the oil nature, it is better that the oil temperature is lower than 80℃. Because our machine works under the vacuum and low pressure condition, so the oil doesn't need to be heated to 100 ℃ and usually it just need to be heated to 45 ℃. Then the tiny water, soluble water, acid, alcohol, other volatility liquid and so on can be removed completely and effectively.
5. For the fine filter, which is equips with the stainless steel filter, the purification hole is less than 1 Micro, which can make sure the filtered oil is completely clear without any impurity.
6. It adopts back flushing system, which can clear impurities automatically.
7. We uses stainless steel filter element which is good at anti-corrosion. Especially, the precision of filtering impurities is quite high and the service life is long. Also, it has a large volume for storing the impurities.
8. Its unique degassing and dewatering system adopts the 3D-evaporation technique and thin film evaporation, which can separate the trace water, soluble water and gas from the oil quickly by the multi-level water-oil separation technology.
9. Highly automatic operation. convenient, reliable, and safe.

Advantages:

According cooking oil nature, the used cooking oil/vegetable oil includes high water, more acid matter, much impurities and offensive odor. This machine adopts Plate Pressure system can separate the sundry matters and water from the oil quickly, and break the oil emulsification effectively. Then superadded two primaries filter and fine filter, it can remove impurities thoroughly. Next, the machine adopts highly vacuum system to dewater system to dehydrate and deodorize the oil fast. In addition,

this machine use stainless steel filter element, it resists the acid in oil strongly. So after the treatment by the machine, you can get a new fresh oil compared the

before oil with water, particles, gas contaminants, and the used cooking oil/vegetable oil will become limpidity, and fresh quality, and has good quality to produce other products, such as biodiesel, soaps, and so on.

Technical Specification

| Item | | Unit | COP-10 | COP-20 | COP-30 | COP-50 | COP-100 | COP-150 | COP-200 | COP-300 |
|-------------------|--------|-------|--|--------|--------|--------|---------|---------|---------|---------|
| Flow | | L/min | 10 | 20 | 30 | 50 | 100 | 150 | 200 | 300 |
| Working vacuum | | MPa | -0.06~-0.095 | | | | | | | |
| Working Pressure | | MPa | ≤0.4 | | | | | | | |
| Temperature Range | | ℃ | 0~100 | | | | | | | |
| Water Content | | PPM | ≤80 | | | | | | | |
| Cleanness | | NAS | ≤Grade 6 | | | | | | | |
| Power supply | | | Three Phase 50HZ 380V (as per the customer's requirements) | | | | | | | |
| Working Noise | | Db(A) | ≤75 | ≤75 | ≤75 | ≤78 | ≤78 | ≤78 | ≤80 | ≤82 |
| Heating Power | | kW | 36 | 40 | 45 | 60 | 90 | 120 | 180 | 195 |
| Total Power | | kW | 38 | 42 | 47 | 65 | 96 | 127 | 197 | 217 |
| Inlet/Outlet | | mm | φ25 | φ25 | Φ25 | Φ32 | Φ42 | Φ42 | Φ50 | φ60 |
| Weight | | kg | 450 | 550 | 600 | 750 | 850 | 1000 | 1200 | 150 |
| Overall | Length | mm | 1500 | 1500 | 1500 | 1600 | 1750 | 1900 | 1900 | 2100 |
| | Width | mm | 1000 | 1050 | 1050 | 1150 | 1250 | 1600 | 1700 | 1700 |
| | Height | mm | 1500 | 1600 | 1650 | 1700 | 1800 | 1950 | 2000 | 2100 |

Dimensions will be changed if any special type required.

COP Vacuum Used Cooking Oil Purifier

The COP High Vacuum Used Cooking Oil Purifier is especially designed to remove water, gases and particulates from waste cooking oils, vegetable oils, palm oil, rapeseed oil, sunflower seed oil, olive oil, peanut oil coconut oil, etc.



| | | |
|-------------------------|-----------------|-----------------|
| Model:COP-10 | Brand:ZHONGNENG | Code:8421299090 |
| Product Description | | |
| Technical Specification | | |

Features:

1. This plant is composed of two parts, one is the press filter, and the other is the vacuum oil purifier system. The press filter can remove the big or tiny impurities; The precision of purification can reach to 1 Micro. The vacuum system is equipped with filters of three grade (primary filter, mass water separator, and fine filer). All processes is under vacuum condition.
2. The primary filter, which is made of the stainlessness steel, is anti-rust and anti-corrupt. It mainly removes the residual impurities which escape from the press filter, making sure the treated oil won't have any impurity when it goes into the water separator and vacuum separator.
3. The water separator, which is equiped with a special filter, mainly removes the mass water from the oil. Usually the waste cooking oil contains much water and it need to be removed from the oil. After the water separator, the oil just contains the tiny water and soluble water.
4. After the process of the water separator, the oil will goes into the vacuum separator which adopts three-dimensional duplex evaporation and film evaporation. For protecting the oil nature, it is better that the oil temperature is lower than 80℃. Because our machine works under the vacuum and low pressure condition, so the oil doesn't need to be heated to 100 °c and usually it just need to be heated to 45 °c. Then the tiny water, soluble water, acid, alcohol, other volatility liquid and so on can be removed completely and effectively.
5. For the fine filter, which is equips with the stainless steel filter, the purification hole is less than 1 Micro, which can make sure the filtered oil is completely clear without any impurity.
6. It adopts back flushing system, which can clear impurities automatically.
7. We uses stainless steel filter element which is good at anti-corrosion. Especially, the precision of filtering impurities is quite high and the service life is long. Also, it has a large volume for storing the impurities.
8. Its unique degassing and dewatering system adopts the 3D-evaporation technique and thin film evaporation, which can separate the trace water, soluble water and gas from the oil quickly by the multi-level water-oil separation technology.
9. Highly automatic operation. convenient, reliable, and safe.

Advantages:

According cooking oil nature, the used cooking oil/vegetable oil includes high water, more acid matter, much impurities and offensive odor. This machine adopts Plate Pressure system can separate the sundry matters and water from the oil quickly, and break the oil emulsification effectively. Then superadded two primaries filter and fine filter, it can remove impurities thoroughly. Next, the machine adopts highly vacuum system to dewater system to dehydrate and deodorize the oil fast. In addition,

this machine use stainless steel filter element, it resists the acid in oil strongly. So after the treatment by the machine, you can get a new fresh oil compared the

before oil with water, particles, gas contaminants, and the used cooking oil/vegetable oil will become limpidity, and fresh quality, and has good quality to produce other products, such as biodiesel, soaps, and so on.

| Technical Specification | | | | | | | | | | |
|-------------------------|--------|-------|--|--------|--------|--------|---------|---------|---------|---------|
| Item | | Unit | COP-10 | COP-20 | COP-30 | COP-50 | COP-100 | COP-150 | COP-200 | COP-300 |
| Flow | | L/min | 10 | 20 | 30 | 50 | 100 | 150 | 200 | 300 |
| Working vacuum | | MPa | -0.06~-0.095 | | | | | | | |
| Working Pressure | | MPa | ≤0.4 | | | | | | | |
| Temperature Range | | ℃ | 0~100 | | | | | | | |
| Water Content | | PPM | ≤80 | | | | | | | |
| Cleanness | | NAS | ≤Grade 6 | | | | | | | |
| Power supply | | | Three Phase 50HZ 380V (as per the customer's requirements) | | | | | | | |
| Working Noise | | Db(A) | ≤75 | ≤75 | ≤75 | ≤78 | ≤78 | ≤78 | ≤80 | ≤82 |
| Heating Power | | kW | 36 | 40 | 45 | 60 | 90 | 120 | 180 | 195 |
| Total Power | | kW | 38 | 42 | 47 | 65 | 96 | 127 | 197 | 217 |
| Inlet/Outlet | | mm | φ25 | φ25 | Φ25 | Φ32 | Φ42 | Φ42 | Φ50 | φ60 |
| Weight | | kg | 450 | 550 | 600 | 750 | 850 | 1000 | 1200 | 150 |
| Overall | Length | mm | 1500 | 1500 | 1500 | 1600 | 1750 | 1900 | 1900 | 2100 |
| | Width | mm | 1000 | 1050 | 1050 | 1150 | 1250 | 1600 | 1700 | 1700 |
| | Height | mm | 1500 | 1600 | 1650 | 1700 | 1800 | 1950 | 2000 | 2100 |

Dimensions will be changed if any special type required

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