Series PO Portable High Precision Oil Flushing & Filtration System

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KEEP YOUR OILS CLEAN • KEEP YOUR WORLD GREEN
**WHO WE ARE**

- **Fuootech Oil Filtration Group** is one of largest R&D based high-tech group engaged in designing, developing, manufacturing and exporting various vacuum oil/fluid purifiers, oil filtration system, oil regeneration machine and oil testing kits for various industries, helping clients all over the world solve various oil problems.

- **Fuootech** develops custom solutions for virtually any application involving industrial oil management. With **Fuootech** oil management systems, oils can be re-used indefinitely, thus drastically reducing new oil purchasing and waste oil disposal, protecting environment, and improving productivity for industries to be more competitive in the global economy.

- Nowadays, the company's sales and service network covers all the provinces of China and exports to more than 118 countries. Our products are more and more popular in domestic market and international market based on High quality, advanced technology, competitive price and excellent before & after sales service, as well as continuous technical supports.

- **Fuootech**’s oil filtration systems & oil testing kits are extensively used in the fields of electrical power, power station, power transmission, power generation, Petrochemical, petroleum, Paper and Pulp, compressor, mechanical manufacture, steel mills, electrical utilities, engineering contractors, metallurgy, railway, aviation etc. which are consuming various oils. More than 100 standard models are offered to different clients and also can be customerised according to actual need of oil solutions in different areas.
PRODUCT INTRODUCTION & FEATURES

Introduction

Series PO Portable High Precision Oil Filtering and Filling Machine which mainly deal with unqualified insulating oil, turbine oil, lubricating oil etc., it consists with motor-driven special gear pump and multi-stage filters for filtering dirty oils by removing various sizes of particles & impurities. Small and flexible size, easy to operate and requires no filter paper and causes no contamination to the ground. It has a wider application than ordinary filter press and has a long lifetime, being a new substitute for frame filter press.

Oil suction point is equipped with a coarse primary filter to protect pump, and prolong the service life of main two filters. Filter precision can be adjusted and changed according to client’s actual need. This machine can do precision filtering, it usually equips three-stage filters, also can equip four or five stage filters as per user’s requirements. Light weight, easy operation, it can be used as oiling machine for long distance and high-lift oiling works.

Pressure Gauge monitors the working status of machine and pollution levels continuously.

It is also used for oil transferring/ filling at working fields, suitable for field portable assignments and aerial work, while oil filling, filtration is also done at same time.

Features

- Compact structure, small volume, light weight, easy to carry
- Internal use filter element to filter, repeated use, save cost, not contaminated sites
- Filtration precision, the product specifications can be free to choose according to need
- Can be made into explosion-proof type, used at dangerous working area.
- It can purify the losing-efficient insulation oil and make the oil reach the new oil standard without power cut, changing the oil or using filtering papers.
- Have the function of filling oil.
- The purifier has large route, strong capability of holding dirt and can be used for a long time.
- Stable and safe Operation with low noise.
- Can effectively purify the tiny and fine mechanical impurity from oil, enabling it to be a prior choice of power industry, petroleum, chemical, metallurgy, mechanics and railway for oil filling, oil drawing and high precision impurity removal of mutual inductor, lathe, and oil breaker which do not use large quantity of oil.
- All operation without heating, save electrical heating energy
- Alarm equipped with this machine sending over-pressure warning, reminding clients to check the place or filters where is blocked.

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<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>PO-32</th>
<th>PO-50</th>
<th>PO-100</th>
<th>PO-150</th>
<th>PO-200</th>
<th>PO-300</th>
<th>PO-500</th>
<th>PO-600</th>
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</thead>
<tbody>
<tr>
<td>Flow rate</td>
<td>L/min</td>
<td>32</td>
<td>50</td>
<td>100</td>
<td>150</td>
<td>200</td>
<td>300</td>
<td>500</td>
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<tr>
<td>Lift</td>
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<td>8</td>
<td>8</td>
<td>10</td>
<td>15</td>
<td>15</td>
<td>18</td>
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<tr>
<td>Cleanness</td>
<td>NAS</td>
<td>7</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Power supply</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>380 VAC, 50 Hz, 3 Phase (or as per required)</td>
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<tr>
<td>Working noise</td>
<td>DB (A)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>≤ 65 ~ 75</td>
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</tr>
<tr>
<td>Motor Power</td>
<td>KW</td>
<td>0.75</td>
<td>1.1</td>
<td>1.5</td>
<td>2.5</td>
<td>3</td>
<td>6</td>
<td>9</td>
<td>13</td>
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<tr>
<td>Inlet (outlet)</td>
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<td>Ф25</td>
<td>Ф25</td>
<td>Ф25</td>
<td>Ф32</td>
<td>Ф42</td>
<td>Ф50</td>
<td>Ф50</td>
<td>Ф60</td>
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<td></td>
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<tr>
<td>Weight</td>
<td>Kg</td>
<td>95</td>
<td>105</td>
<td>120</td>
<td>130</td>
<td>140</td>
<td>220</td>
<td>300</td>
<td>370</td>
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</table>

The dimension and weight will be changed with changing of technical specs.
Oil Result and Drawing

Oil Result Before and After Treatment

| Suspended Particles (Filtration precision) | ≤ 3 micron |

Drawing

- Oil inlet
- Primary Filter
- Oil Pump
- Secondary Filter
- Oil outlet
- Fine filter
Operation Procedure

- Put it on the plainness ground or the car body, make sure that the machine is steady, especially, keep the linking is fixedness and concentric between the motor and oil pump.

- Correctly connect the power supply, start up oil pump and make sure the rotation direction is correct, or else, change the phase order.

- Connect and fasten the each junction of the oil inlet pipe and outlet pipe, make sure that the connecting between oil outlet pipe and the oil outlet must be fasten, or else, the oil outlet pipe is easy to flush out when the pressure big.

- Start up the motor when you fixed the oil inlet pipe and outlet pipe, then the oil pump operates normally. The used oil should be filtered three grades.

- When a tank’s oil run out and need to filter another one, it is require to connect and fix the oil inlet pipe quickly, avoid the oil pump racing. Or else, you should stop the machine, and then start up the machine again when you connected and fixed the oil inlet pipe.
1. This machine mainly adopt the mechanical filter ways, progressively minish the density of the filter net, so approach to improve the filter precision. When the machine is operating, the first-grade is easy to be blocked, and then you will find that the capacity of oil outlet is smaller than inlet capacity.

Manage way: Open up the first-grade filter’s cover, take out the filter net and clean the net by the same oil, then the machine can work normally again.

2. If the lift is too high during the oil pouring process, it will increase the motor’s temperature and the oil pump’s noise quickly.

Manage way: (1) The lift according to the requirement. (2) Operate discontinuous

3. Oil pump’s noise abnormal

Manage way: (1) Check the oil pump’s connecting shaft, and make sure it is concentric (2) Fasten the bolt

It is prohibitive that the power lack of the phase.
THE INDUSTRIES WE ARE ALSO INVOLVING AND SERVICING

Lubricant & Gearbox System
Industrial Oil Flushing Service
Mining & Minerals industry
Power Generation Station
Regional Electricity Utility
Electric Power Transmission & Distribution Line
Power Transformer
Power System Protection
Pulp & Paper Industry
Hydraulic Power System
Steel & Iron Mill
Power System Protection
Electrical Panel & Switchgear Manufacturers and system integrators
Mining & Minerals industry
Electrical Power Station (Substation) Contractor
Regional Electricity Utility

FUOOTECH

More other industries are also not listed here, but also involved
FUOOTECH’S PRODUCTS ARE FILTERING, PURIFYING, REGENERATING

- Insulating Oil
- Lubricating Oil
- Cable Oil
- Industrial Oil
- Transformer Oil
- Turbine Oil
- Vacuum Oil
- Transmission Oil
- Dielectric Oil
- Mutual Inductor Oil
- Switchgear Oil
- Circulating Oil
- Compressor Oil
- Cutting Oil
- Gear Oil
- Heat Transfer Oil
- Hydraulic Oil
- Cooking Oil (UCO)
- Fire Resistant Hydraulic Oil
- Engine Oil
- Coolant Oil
- Quench Oil
- Soluble Coolants
- Rolling Oil
- and more ...

www.fuootech.com

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BENEFITS FROM FUOOTECH’S PRODUCTS

- Removes Dissolved Moisture from Transformer Oil
- Reduces combustible gases and oxygen
- Improves oil dielectric values
- Improves transformer power factor
- Extends oil service life
- Extends transformer service life and reliability
- Protect transformer, power station, power plants
- Zero disposal of waste oil
- Eliminate new oil purchases and reduce oil inventories
- Keep equipment working more efficiently
- Protect machinery and reduce maintenance time
- Create a cleaner environment
- Extended lubricant life
- Minimized “stick-and-slip” of bearings and gears
- Less wear on servos and O-rings
- Reduced machine downtime
- Less equipment maintenance
- Significantly reduced overall costs
- Cost savings from fewer oil changes, less associated labor
- Eliminate oil changes by always keeping oil like new
- Fuel consumption savings through increased engine efficiency
- Extend engine life with resultant increased times between major overhauls and reduced capital expenditure to replace damaged equipment
- Win profits from our oil purifier machines when you resell or rent to others

“We’re saving over $150,000 a year, and re-claiming almost 100% of our oil — our disposal bills are almost nothing. Plus, our employees are happier!”

Purify your waste oil — it’s money in the bank.
FUOOTECH’S OVERSEA PROJECTS & TRAINING

South Africa                          Pakistan                               Saudi Arabia
Tanzania

Bangladesh                           Malaysia                               Cambodia
Dubai, UAE

Zambia                                     Nigeria                                   Laos
Zimbabwe

More projects are not listed here
FuooTech Oil Filtration Group has a professional after-sales service team. We are in the spirit of "high quality, excellent service, create first-class brand" and base on the principle of "quality equipments, reasonable price and warm-heat service". We can provide our customers free installation and adjustment of machine, free training and two years warranty from final acceptance.

During warranty period, if the purchaser discovers defects in workmanship and or material and so notifies the supplier promptly in writing, we have the responsibility to dispatch the technician and provide supplementary accessories within twenty days from the date of receipt of written notification from the purchaser.

We will provide 24-hour one-stop service to ensure that we can deal with customer issues in first time.
Service target: Always to provide customers with satisfactory service.

We also provide OEM & ODM Service & Solutions to your specific needs according to the actual market plan. Please Contact Us for more details.
7*24 Technical Supports and After-sale services are also available for all clients.
We also provide the professional installation, commissioning, training services for customers at their working site.
Technical Upgrade and improvement are also belongs to our experienced services.

For more services, please don’t hesitate to contact us. We will provide you the best solutions.