

Series FYZ Online OLTC (On Load Tap Changer) Oil Filtration Machine



- Online Filtration with durable filters
- Fully Enclosed Construction
- Fully Stainless steel material Construction
- PLC System controlled with large touch screen, Full automatic Operation
- High efficiency in reducing & removing particles ,water content, free carbon, etc.
- High quality of oil pump keeping oil circulation without any problem.
- Small volume, reliable, safe
- Extend the insulating oil's life

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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 , transformer evacuation system, dry air generator, electrical testing equipment and oil testing kits for various industries for more than 18 years, 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 customised according to actual need of oil solutions in different areas.





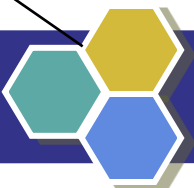
PRODUCT INTRODUCTION & FEATURES

Introduction

- ◆ OLTC (On Load Tap Changer) transformers regulate the system voltage while the transformer is under energy. They regulate the low and high voltage so they prevent the negative effects of voltage variation.
- ◆ OLTC (On Load Tap Changer) transformers do not require maintenance for long time by using online oil Purifier .
- ◆ Series FYZ Online Oil Filtration Machine for OLTC (On Load Tap Changer) Oil is mainly used in the bypass circulation filtering system of OLTC. It can timely filter the oil while the transformer operates normally, or it can automatically filter the oil after switching of the OLTC.
- ◆ This equipment can efficiently remove the impurities, dissociated free carbon, water and oxides to ensure the quality of oil, thus it can guarantee the oil's insulation, increase the switching times, postpone the repairing period, decrease the power cut off times, ensure the voltage's quality and improve the safety and reliability of the OLTC.
- ◆ Series FYZ is usually installed near the OLTC permanently (the hanging installation or fixed installation beside) as a special equipment. There are many kinds of models with different flow rates and accessories with different functions for choices according to client's actual need.

Features

- ◆ Work online with on-load working transformer or high voltage switch.
- ◆ High quality filters remove the water content, moisture content, particles & impurities effectively.
- ◆ Filters are easily taken out for replacing and cleaning.
- ◆ All-weather Structure Case, Made of Full Stainless steel.
- ◆ Standard control box, made of Stainless steel.
- ◆ Electrical control box housing contactors, fuses, air switch, etc...equipped, and PLC system is installed so as to make the whole operation fully automatically.
- ◆ Advanced temperature controlling system along with heater keep the unit working at a condition of constant temperature.
- ◆ Pressure switch and pressure gauge indicate the pressure value and control it.
- ◆ Positive and negative direction control of the motor, protection of over-load of motor start and phase-lacking.
- ◆ Humidity relay, 50%-100% adjustable.
- ◆ Automatically run this machine once after the operation of OLTC, the operation time can be set according to requirement from 0-99 hours, but it is usually set as 30 minutes. Another way is to proceed the filtration works every day at the fixed time lasting two hours. The two ways can be chosen accordingly.
- ◆ Small volume, light weight, low maintenance cost and time.



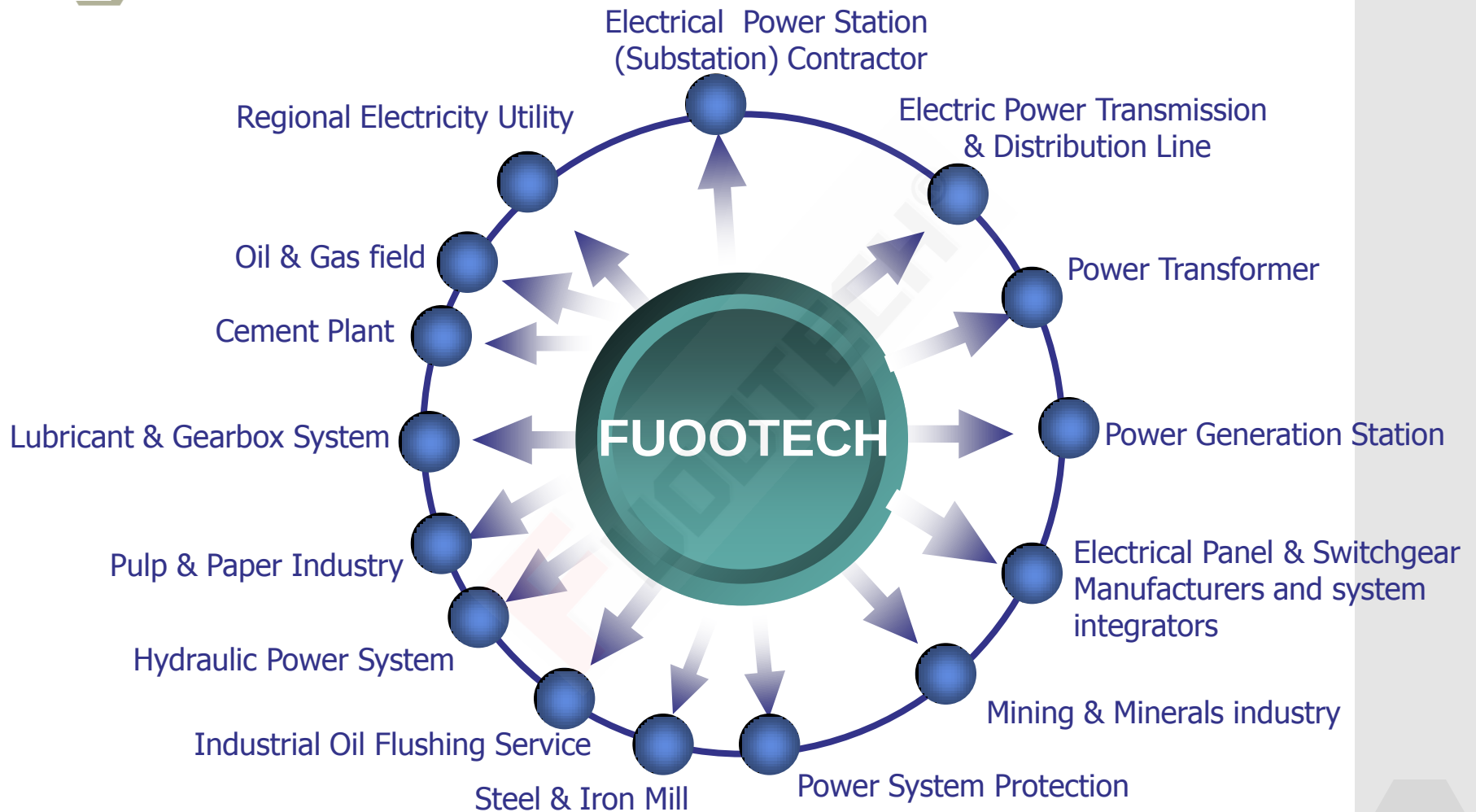
TECHNICAL SPECIFICATION

Item	Name of Parameter		Unit	Model FYZ-10	Model FYZ-20
Technical Parameter	Nominal flow rate		L/min	10	20
	Working Pressure		Mpa	≤0.5	≤0.5
	Power Supply			380VAC, 50Hz, 3 Phase, 4 Wires, or as needed	
	Medium temperature		°C	-45°C ~ 115°C	
	Noise		dB (A)	≤ 65	
	Working Hours without trouble		Hours	≥ 9000	
	Continuous Working Hours		Hours	≥ 720	
	Total electric power		KW	0.45	0.75
	Diameter of inlet/Outlet hose		DN mm	15/15	25/25
	Dimension	Length	mm	500	530
		Width	mm	225	350
		Height	mm	750	1000
	Weight		KGS	65	85
After Filtration	Filtering Accuracy		micron	≤ 1	≤ 1
	Moisture (Water Content)		PPM	≤ 20	≤ 20
	Cleanness		NAS level	≤ 6 Grade NAS 1638	≤ 6 Grade NAS 1638

The dimension and weight will be changed with changing of technical specs. FUOOTECH reserves the rights to any upgrading without notification.



THE INDUSTRIES WE ARE INVOLVING AND SERVICING



More other industries are also not listed here, but also involved



OUR MAIN PARTNERS & CLIENTS



هيئة كهرباء ومياه دبي
Dubai Electricity & Water Authority



KARACHI ELECTRIC
SUPPLY COMPANY



Bangladesh Power Development Board



More other partners and clients are also not listed here

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FUOOTECH'S PRODUCTS ARE FILTERING, PURIFYING, REGENERATING

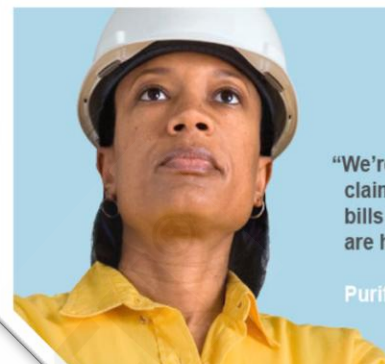
- ◆ **Insulating Oil**
- ◆ **Lubricating Oil**
- ◆ **Cable Oil**
- ◆ **Industrial Oil**
- ◆ **Transformer Oil**
- ◆ **Turbine Oil**
- ◆ **Vacuum Oil**
- ◆ **Transmission Oil**
- ◆ **Dielectric Oil**
- ◆ **Mutual Inductor Oil**
- ◆ **Switchgear Oil**
- ◆ **Circulating Oil**
- ◆ **Compressor Oil**
- ◆ **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 ...**





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% 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 (ZPC)

More projects are not listed here

www.fuootech.com

WHAT WE ARE MANUFACTUREING & EXPORTING



Main Product Category



Oil Filtration Machines

- Transformer Oil Filtration Machine
- Insulating Oil Treatment Plant
- Transformer Oil Filtration Machine
- Dielectric Oil Purification System
- Transformer Oil Regeneration Unit
- Lubricating Oil Filtration Machine
- Turbine Lube Oil Filtration Machine
- Portable High Precision Oil Filtration Machine
- Transformer Evacuation System
- Cooking Oil Recycling Machine
- Oil Water Separation & Filtration System
- Hydraulic Oil Cleaning System
- Centrifugal Oil Filtration Machine
- Phosphate Ester Fire-resistance Oil Filtration Machine
- Plate Frame Pressurized Type Oil Filtration Machine
- OLTC Insulation Oil Filtration Machine
- Dry Air Generator

Automatic Oil Test Set & Electrical Test Equipment

- Transformer Oil BDV Tester
- Online PPM Moisture Content Meter
- DGA Analysis System
- Oil Acidity Test Kit
- Oil Dielectric Loss and Resistivity Tester
- Flash Point Tester
- Interfacial Tension Tester
- Transformer DC Resistance Tester
- Tan Delta and capacitance Tester
- Transformer Test Bench
- Variable Frequency AC Resonant Test System
- Transformer Turns Ratio Test Set
- Line Loop and Contact Resistance Tester
- VLF AC Hipot Test Set
- DC Hipot Test Set (DC High Voltage Generator)

TECHNICAL SUPPORTS & AFTER-SALE SERVICES

◆ **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.



CONTACT US



Thank You!
LOOK FORWARD TO
COOPERATING WITH YOU!

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