

Product Brochure

Vacuum Oil Purification Machine (TYA Series)

PRODUCT SPECIFICATIONS

Application



Motor and Oil Pump



Oil Inlet



Alarm Light



Filter

PRODUCT SPECIFICATIONS

Application

Introduction:

Series TYA oil purifiers remove free and dissolved water, dirt, and free and dissolved air/gases from hydraulic oil, gear oil, engine oil, compression oil, freezer oil, heat treatment oil, compressor oil, refrigeration oil and other industrial oils in metallurgy, machinery, oil field, chemistry, mine, electric power generation plant, transportation and manufacturing enterprises. TYA oil purifiers reduce system wear; improve on-line and system performance; extend fluid life and reduce fluid disposal costs and environmental risks.

To meet customers' special needs, we develop:

TYA Lubricating Oil Purifier Machine
TYA -A Fully Automatic Lubricating Oil Purifier
TYA -W Enclosed Lubricating Oil Purifying Unit
TYA -Ex Explosion-Proof Hydraulic Oil Cleaning Machine
TYD High Water Content Hydraulic Oil Water Separator

Features:

- 1.The plant is delivered ready for operation.
- 2.With strong capabilities of demulsification, dehydration and degasification, TYA oil purifier adopts big-cubage, reinforced three-dimension flash distillation column, thin film evaporation technology and large area multi-level separation technology so as to remove water, gas and light hydrocarbon material efficiently and quickly.
- 3.Adopting high-quality filter element and sealing material with corrosion proof, high temperature resistance and excellent mechanical strength, it is suitable even for purification process of high-viscosity oil under rather high temperature conditions and in this way expanding its application scope.
- 4.Fine and precision multi-stage filtration system can remove mechanical particulates thoroughly and effectively.
- 5.With air-cooling and condensation system, it can cool the air in the vacuum system efficiently and quickly, which avoids inconvenience of water-cooling.
- 6.Advanced high pressure protection device and infrared oil level control system for easy operation.
- 7.Perfect automatic and manual oil heating temperature controller, automatic cooling and separation device, simple, safe and reliable.
- 8.High-quality electrical control cabinet, with high-efficiency heat transfer and anti-explosion.
- 9.The equipment can also be installed with digital flow meter and timer for auto calculating and recording oil volume and working time optional according to user's requirements)
- 10.The machine can be installed with two filtration systems for easy and quick change of filter element without stopping the machine.

PRODUCT SPECIFICATIONS

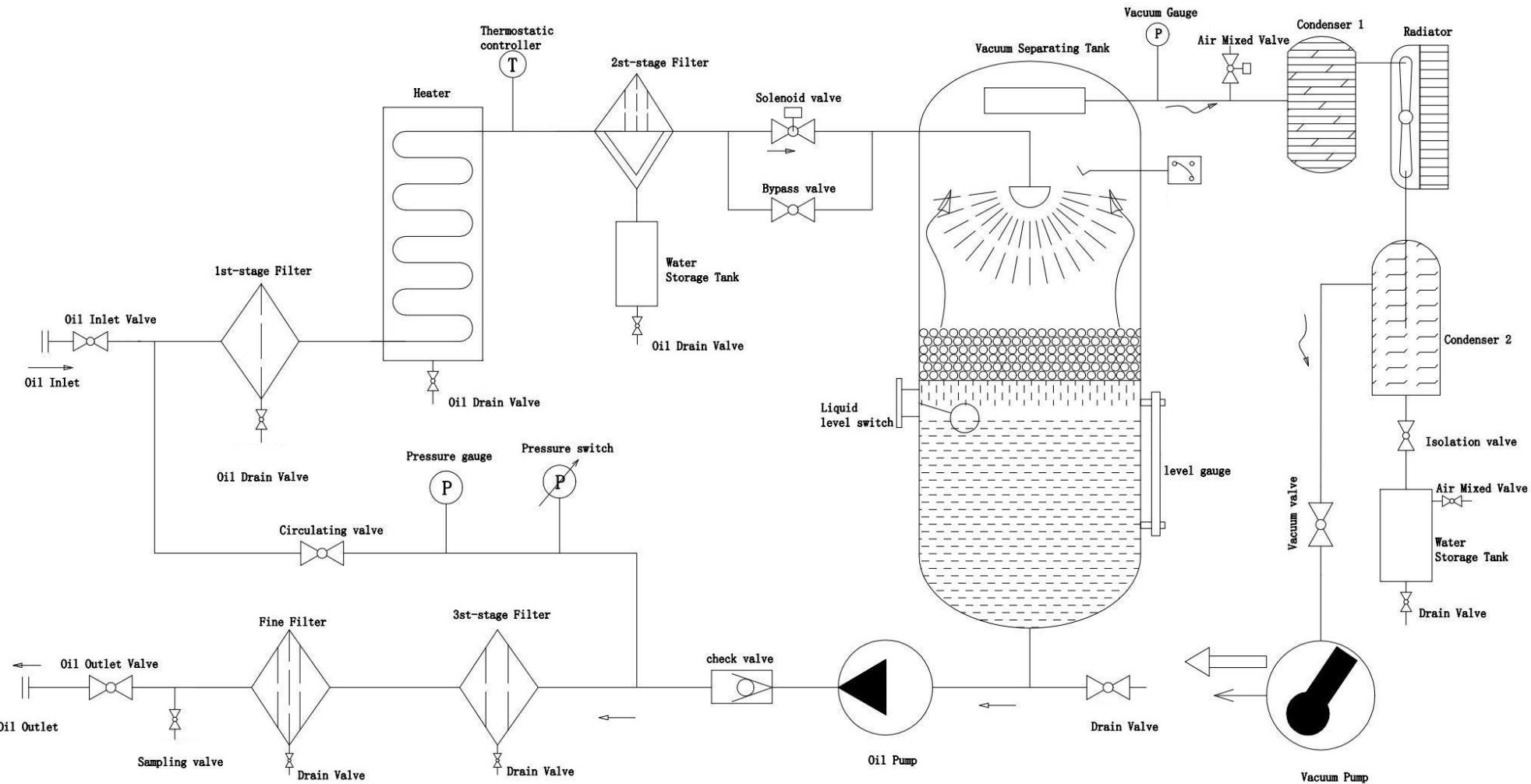
Technical Parameter

Parameters	Unit	TYA-10	TYA -20	TYA-30	TYA-50	TYA -100	TYA -150	TYA -200	TYA -300
Flow rate	L/h	600	1200	1800	3000	6000	9000	12000	18000
Vacuum degree	Mpa				-0.06～-0.096				
Working pressure	Mpa				≤0.5				
Constant temperature control range	°C				0~100(Adjustable)				
Power supply				3Phase, 380V, 50Hz(or as needed)					
Working noise	dB(A)	≤60	≤65	≤68	≤70	≤75	≤78	≤80	≤85
Electric heating power	KW	15	18	24	36	60	90	120	180
Total electric power	KW	17	20	26	39	64	96	128	195
Inlet (outlet) caliber	mm	Φ25	Φ25	Φ32	Φ32	Φ38	Φ50	Φ60	Φ76
Size	mm	1300x900x 1650	1300x900x 1650	1350x1000x17 00	1450x1050x 1750	1650x1100x 1800	1900x1300x1 900	2100x1400x2 000	2400x1600x 2100
Weight	Kg	350	380	400	450	600	900	1000	1600

Item	Guarantee indexes
Moisture content	≤100 PPM
Demulsification value	New oil≤15min (GB/T7305),running oil≤30min
Mechanical impurities	no(GB/T511)
Gas content	≤0.2%
Clean degree	≤6 Grade (NAS1638)
Filtration precision	5-10μm

PRODUCT SPECIFICATIONS

Normal Route Chart for Reference



PRODUCT DETAILS

TYA Series Oil Purifier



Front



Back

PRODUCT DETAILS

TYA Series Oil Purifier Details



PRODUCT DETAILS

You Can Choose Various Colors



Silver



Blue



Orange

PRODUCT DETAILS

Recommend Optional Parts for oil purifier



Trailer



Imported P.L.C(Programmable Logic Controller)



Weather proof enclosure

MAIN PRODUCTS

Oil Purifier



Series ZYD-I Transformer Oil Regeneration System



ZY Portable Vacuum Insulating Oil Purifier



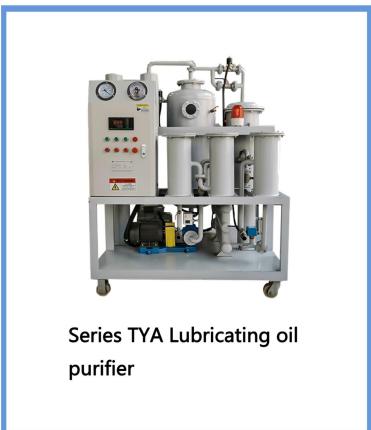
Series TY Turbine oil purifier



TYS Series Waste Oil Decoloration Vacuum Oil Purifier



TYR-Ex Explosion-proof Oil Purifier



Series TYA Lubricating oil purifier



TYB Series Coalescer and Separator Filter Machine



Series COP-S Stainless Steel Cooking Oil Filtration Machine



Series PL Portable Plate Pressure Oil Filter Machine



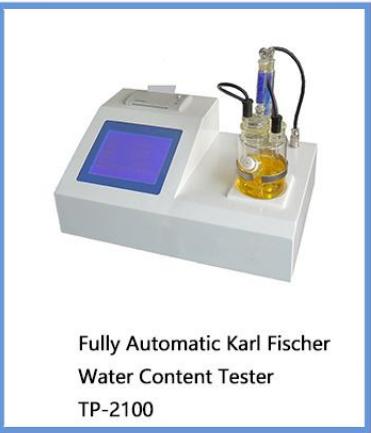
Series JL Hand-held mini Oil Filtering Machine

MAIN PRODUCTS

Oil Tester



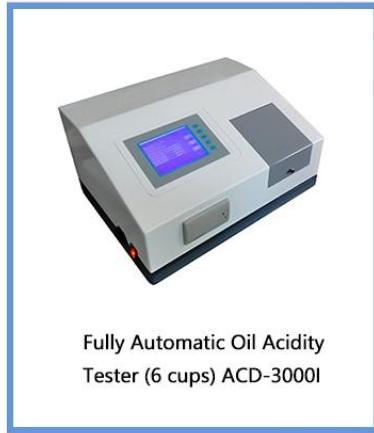
Online Insulating Oil Water Content Tester TPEE



Fully Automatic Karl Fischer Water Content Tester TP-2100



Kinematic Viscosity Tester VST-2000



Fully Automatic Oil Acidity Tester (6 cups) ACD-3000I



Fully Automatic Surface/Interface Tension Tester IT-800



Fully Automatic Open Cup Flash Point Tester TPO-3000



Petroleum Density Tester DST-3000



Online Oil Quality Tester PTT-002



Distillation Range Tester DIL-201



Transformer Oil Dissolved Gas Chromatograph DGA