OIL PURIFIER

# TY Turbine Oil Purifier

TY series turbine oil special oil filter: Widely used in electric power, chemical industry, papermaking, metallurgy and other industries of the steam turbine, gas turbine, turbine oil turbine online processing ...

ISO9001 Supplier

Class Certificate

Export Supply




## Key Highlights

| | |
|---|---|
| **Category** | Oil Purifier |
| **Standard** | EN |
| **Material** | This equipment use medium with different surface tension, using inorgani... |
| **Weight / Size** | Item Unit TY-10 TY -20 TY -30 TY -50 TY -100 TY -150 TY -200 TY -300 Flo... |
| **Certificate** | ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS |

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

## Technical Specifications

| | | | |
|---|---|---|---|
| **Category** | Oil Purifier | **Model / SKU** | TY-Turbine-Oil-Purifier |
| **Standard** | EN | **Material** | This equipment use medium with different surface tension, using inorganic fiber needle puncture of emulsified water for demulsification, using hydrophilic materials of oil in water by using hydrophobic materials and coalescence of the oil in the water by the line of separation. |
| **Weight / Size** | Item Unit TY-10 TY -20 TY -30 TY -50 TY -100 TY -150 TY -200 TY -300 Flow Rate L/min 10 20 30 50 100 150 200 300 working vacuum Mpa -0.06 ~ -0.095 working Preuusre Mpa ≤0.4 Constant temperature control range ℃ 20 ~ 80 power / 380V/50HZ(at user's option) noise db(A) dB(A) ≤65 ~ 80 ( depend on user's requirement ) Fult-free working hours h ≥4000 continuous hours h ≥150 Heating power Kw 18 18 18 30 45 54 72 96 Total Power Kw 20 20 20 32 50 60 80 105 Inlet(outlet) diameter mm Φ25 Φ25 Φ25 Φ32 Φ42 Φ50 Φ50 Φ60 weight kg 400 450 500 600 800 1000 1100 1550 After filteration water content ppm ≤50 gas content % ≤0.1 granularity / ≤NAS 6 Stage | **Surface** | This equipment use medium with different surface tension, using inorganic fiber needle puncture of emulsified water for demulsification, using hydrophilic materials of oil in water by using hydrophobic materials and coalescence of the oil in the water by the line of separation. |
| **Certificate** | ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS | **Warranty** | 12 Months unless specified otherwise |
| **Origin** | China | | |

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## China TY Turbine Oil Purifier:

## TY series turbine oil special oil filter:

Widely used in electric power, chemical industry, papermaking, metallurgy and other industries of the steam turbine, gas turbine, turbine oil turbine online processing unit, to ensure the normal work of the lubricating system, regulation, or of low viscosity lubricating oil and cooling oil processing.

## Technical features:

1. This device set the models of gravity method, evaporation, coagulation, vacuum separation, mechanical filtration method, the coalescence, molecular absorption, vacuum drying, automatic emulsion breaking technology, which can separate large amounts of water in oil, can the removal of trace water in oil emulsion breaking dehydration, high efficiency. The turbidity of the emulsified oil becomes clear and transparent.

2. This equipment use medium with different surface tension, using inorganic fiber needle puncture of emulsified water for demulsification, using hydrophilic materials of oil in water by using hydrophobic materials and coalescence of the oil in the water by the line of separation. The demulsification and coalescence separation of free water and emulsified water are realized.

3. The device also equipped with a vacuum evaporation system for micro analysis, water for vacuum dehydration in the oil, ensure the moisture index of oil, oil does not change the physical and chemical properties, prolong the service life of oil.

4. Precision multi-stage filter can effectively remove a variety of mechanical impurities, progressive encryption, a large amount of pollution, long service life.

5. Advanced infrared liquid level automatic control system, sound and light automatic alarm system and pressure protection device to ensure the safe and stable operation of the equipment.

6. Can be used to process turbine oil and low viscosity lubricating oil online.

## Technical Data:

| Item | Unit | TY-10 | TY-20 | TY-30 | TY-50 | TY-100 | TY-150 | TY-200 | TY-300 |
|---|---|---|---|---|---|---|---|---|---|
| Flow Rate | L/min | 10 | 20 | 30 | 50 | 100 | 150 | 200 | 300 |
| working vacuum | Mpa | -0.06 ~ -0.095 | | | | | | | |
| working Preuusre | Mpa | ≤0.4 | | | | | | | |
| Constant temperature control range | ℃ | 20 ~ 80 | | | | | | | |
| power | / | 380V/50HZ(at user's option) | | | | | | | |
| noise db(A) | dB(A) | ≤65 ~ 80 ( depend on user's requirement ) | | | | | | | |
| Fult-free working hours | h | ≥4000 | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| continuous hours | | h | ≥150 | | | | | | |
| Heating power | | Kw | 18 | 18 | 18 | 30 | 45 | 54 | 72 | 96 |
| Total Power | | Kw | 20 | 20 | 20 | 32 | 50 | 60 | 80 | 105 |
| Inlet(outlet) diameter | | mm | Φ25 | Φ25 | Φ25 | Φ32 | Φ42 | Φ50 | Φ50 | Φ60 |
| weight | | kg | 400 | 450 | 500 | 600 | 800 | 1000 | 1100 | 1550 |
| After filteration | water content | ppm | ≤50 | | | | | | | |
| | gas content | % | ≤0.1 | | | | | | | |
| | granularity | / | ≤NAS 6 Stage | | | | | | | |