

OIL PURIFIER

ZYC Series Multi Function High Efficient Vacuum Oil Purifier

ISO9001 Supplier

Class Certificate

Export Supply

Description: The product can be used for above 110KV transformer installation and overhaul, as well as for treatment to non-conformable transformer oil, mutual inductor oil and circuit breaker oil in power indu...



Key Highlights

|               |                                                                             |
|---------------|-----------------------------------------------------------------------------|
| Category      | Oil Purifier                                                                |
| Standard      | EN                                                                          |
| Material      | Unique water and gas removing material, offer 700 times the evaporation ... |
| Weight / Size | Unique water and gas removing material, offer 700 times the evaporation ... |
| 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 | ZYC-Series-Multi-Function-High-Efficient-Vacuum-Oil-Purifier                                         |
| Standard      | EN                                                                                                   | Material    | Unique water and gas removing material, offer 700 times the evaporation area size of the common one. |
| Weight / Size | Unique water and gas removing material, offer 700 times the evaporation area size of the common one. | Certificate | ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS                                                           |
| Warranty      | 12 Months unless specified otherwise                                                                 | Origin      | China                                                                                                |

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## China ZYC Series Multi Function High Efficient Vacuum Oil Purifier:

### Description:

The product can be used for above 110KV transformer installation and overhaul, as well as for treatment to non-conformable transformer oil, mutual inductor oil and circuit breaker oil in power inductor (especially applicable to recovery of extremely inferior insulation oil, as well as for transformer vacuum oil filling and drying.

Technical Feature:

The machine is double-stage vacuum system, it could fast to remove the water, gas and impurities, but also could regenerate the extremely inferior insulation oil. It could sufficiently remove the intensive oxide and free carbon, thus resumes anti-oxidation, medium consumption, acid/alkali water solutibity characteristics. After the treatment, the oil can meet the national standard in respect of water content, withstand value, gas content, acid value and medium consumption requirement.

After the treatment, the breakdown voltage could enhance to 75KV or above .

Unique water and gas removing material, offer 700 times the evaporation area size of the common one.

The latest decolorant is selected which ensure dark color oil to resume the color of the new oil.

Ultra high precision filter, the filtration size could be  $\leq 1\mu\text{m}$ .

### Technical Data:

| Item                               | Unit  | ZYC-50                                             | ZYC-100 | ZYC-150 | ZYC-200 | ZYC-250 | ZYC-300 |
|------------------------------------|-------|----------------------------------------------------|---------|---------|---------|---------|---------|
| Flow Rate                          | L/min | 50                                                 | 100     | 150     | 200     | 250     | 300     |
| working vacuum                     | pa    | $\leq 133$                                         |         |         |         |         |         |
| Ultimate vacuum                    | pa    | $\leq 5$                                           |         |         |         |         |         |
| working Preusre                    | Mpa   | $\leq 0.4$                                         |         |         |         |         |         |
| Constant temperature control range | °C    | 20 ~ 80                                            |         |         |         |         |         |
| power                              | /     | 380V/50HZ(at user's option)                        |         |         |         |         |         |
| noise db(A)                        | dB(A) | $\leq 65 \sim 80$ ( depend on user's requirement ) |         |         |         |         |         |
| Fult-free working hours            | h     | $\geq 4000$                                        |         |         |         |         |         |
| continuous hours                   | h     | $\geq 150$                                         |         |         |         |         |         |
| Heating power                      | Kw    | 30                                                 | 72      | 96      | 144     | 168     | 192     |
| Total Power                        | Kw    | 35                                                 | 78      | 106     | 155     | 185     | 210     |
| Inlet(outlet) diameter             | mm    | Φ32                                                | Φ42     | Φ50     | Φ50     | Φ60     | Φ60     |
| weight                             | kg    | 650                                                | 1050    | 1350    | 1450    | 2000    | 2500    |

|                  |                   |                |                         |
|------------------|-------------------|----------------|-------------------------|
| After filtration | breakdown voltage | KV             | ≥75                     |
|                  | water content     | ppm            | ≤3                      |
|                  | Dielectric loss   | tgδ ( 90°C ) % | ≤0.3                    |
|                  | acid value        | mgKOH/g        | ≤0.03                   |
|                  | gas content       | %              | ≤0.1                    |
|                  | granularity       | μm             | ≤1 ( at user's option ) |