

TRVS Vacuum Dehydration Equipment

The TRVS Series Vacuum Dehydration Equipment is engineered for high-efficiency water and particle removal from industrial oils in equipment hydraulic and lubrication systems. Utilizing a unique vacuum tower structure based on a complete vacuum principle, it removes large quantities of water and entrained air bubbles without heating the oil. By eliminating high-temperature heating, the equipment effectively prevents thermal oxidation and oil degradation, significantly extending the service life of industrial lubricants.



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01 Features and Advantages- TRVS Vacuum series



Max
680mm²/s

No
Heating

2RA/B
Filters

Features

- ◆ Adopts a unique vacuum tower structure, using the principle of complete vacuum without heating the oil, to remove a large amount of water and bubbles from the oil.
- ◆ Avoids oxidation and degradation of the oil caused by high-temperature heating, extending the service life of the oil.
- ◆ Free water: 100%; Bubbles in oil: 100%; Dissolved water: 80%.
- ◆ Precision filtration models 2RA (filter material: fiberglass) or 2RB (filter material: cellulose) are optimal for particle filtration, with paint film removal function optimal for 2RB.
- ◆ Water and impurity filtration methods: Model 2RA is series synchronous, 2RB is switchable (switch to precision filtration mode after water removal meets standards).
- ◆ Almost no consumables (except for models 2RA or 2RB) are required for water removal and ultra-precision filtration function.

Advantages

- ◆ Preventing hydraulic machinery failures.
- ◆ Ensuring the reliability of the long life cycle of equipment operation.
- ◆ Reducing spare parts, labor, and management costs.
- ◆ Keeping oil clean for extended periods.
- ◆ Significantly reducing oil costs.

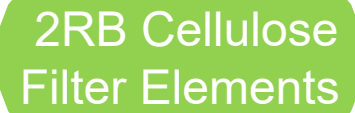
02. Pictures >>



TRVS-30E



TRVS-70E



04. Environmental



- ◆Altitude: ≤ 1000 meters;
- ◆Ambient temperature: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$;
- ◆Ambient humidity: $\leq 95\% \text{RH}$;
- ◆Environment without explosive gases;
- ◆Installation inclination with vertical plane $\leq 5^{\circ}$;
- ◆In places without significant shaking and impact vibration;
- ◆In environments without gases or vapors that significantly damage insulation;
- ◆In places without dripping water or other liquid intrusion;
- ◆Installation category: Category II;
- ◆Outdoor category 2 anti-corrosion environment.

06. Applications >>

TRVS Vacuum is suitable for removing water and particles (optional) from industrial oils such as hydraulic systems and lubrication systems.

