

CNF series -

Centrifuge Oil Treatment System

Conventional vacuum oil treatment systems operate efficiently only at relatively low water levels. Excessive moisture can cause foaming and reduce performance, with most systems limited to handling only a few hundred to around 5000 PPM of water.



Given that a great deal of water is present in oil at traditional oil recycling facilities, it is prudent to pre-treat these oils prior to vacuum treatment, which produces an ultra-low moisture level. It is not uncommon to have water-in-oil values more than 15% or even 25%. The Redragon CNF series addresses the issue of high water levels by integrating commercially available high-speed vertical disk-stack centrifuges into packaged systems that are available as skid-mounted or trailer-mounted units – self-powered by integral diesel generators if required.

The CNF systems are often customized to include integral electric heaters to get oils up to optimum processing temperatures,

often between 60°C and 80°C.

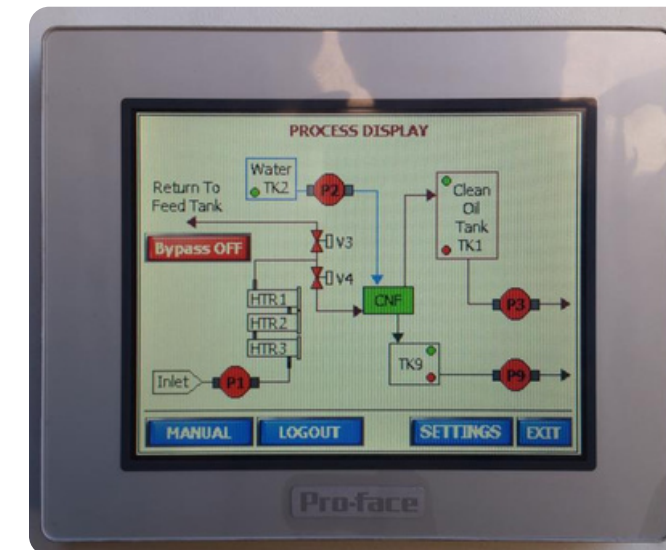
Additionally, the CNF systems are complete with stainless steel operating water and sludge tanks essentially making the system self-contained.



The high-speed centrifuge system generates over 10,000G and features automatic solids discharge. Liquid-liquid and liquid-liquid-solid separator options are available for removing water, sludge, and particulate contamination from oils.

The CNF system is supplied as a complete standalone, plug-and-play solution or can be integrated with existing tank farms and oil treatment systems. PLC control with a touchscreen HMI enables simple operation

and easy integration with third-party systems.



Sample system specification

- Voltage – 220V, 460V, 380V, 575V, 50/60 Hz
- Maximum recommended water level – 25%, to less than 0.1%
- Flow rates – 500, 1000, 2000 and 4000 litres per hour. Larger sizes on application
- Electrical heaters – 16 kW increments
- Explosion-proof/NEMA 7 available

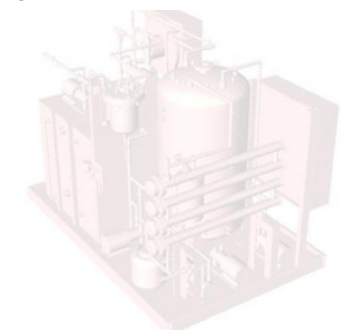


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- Vertical disk-stack centrifuge for faster posttreatment processing
- All stainless steel 304 or 316 piping and components optional. Stainless tanks are standard
- Skid-mount, tagalong or semi-trailer mounted



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