

VACUUM DEHYDRATOR & OIL PURIFICATION SYSTEM



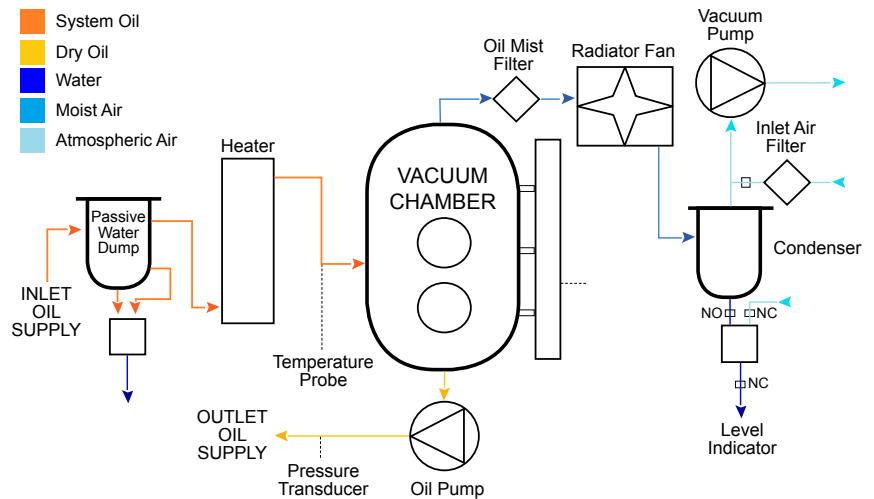
Technical Publication D1-15

Vacuum dehydration is a method of removing free water and water moisture from lubricating or transformer oils. The technology allows for water to “boil” and steam away, without chemically deteriorating or oxidising the oil. Our systems are fully automated and designed to strip away all moisture at a low operating temperature of 50°C

The Filter Focus vacuum dehydration system is highly efficient and can remove up to 50L of water per day under normal operating conditions.

PRINCIPLE OF OPERATION

- Wet or emulsified oil is drawn into the System under vacuum.
- The first chamber is a quiet zone; leading to thermostat controlled heaters and from there, into the vacuum separator under low pressure, low humidity conditions.
- This provides the ideal environment to quickly and effectively evaporate dissolved water and gasses.
- All vapors and gasses enter into the condensation unit and are released into the water receiver.
- Cleaner, dryer oil is passed back to the oil tank.
- Dependent on volume of water contamination, multiple passes will be required to achieve target dehydration levels.



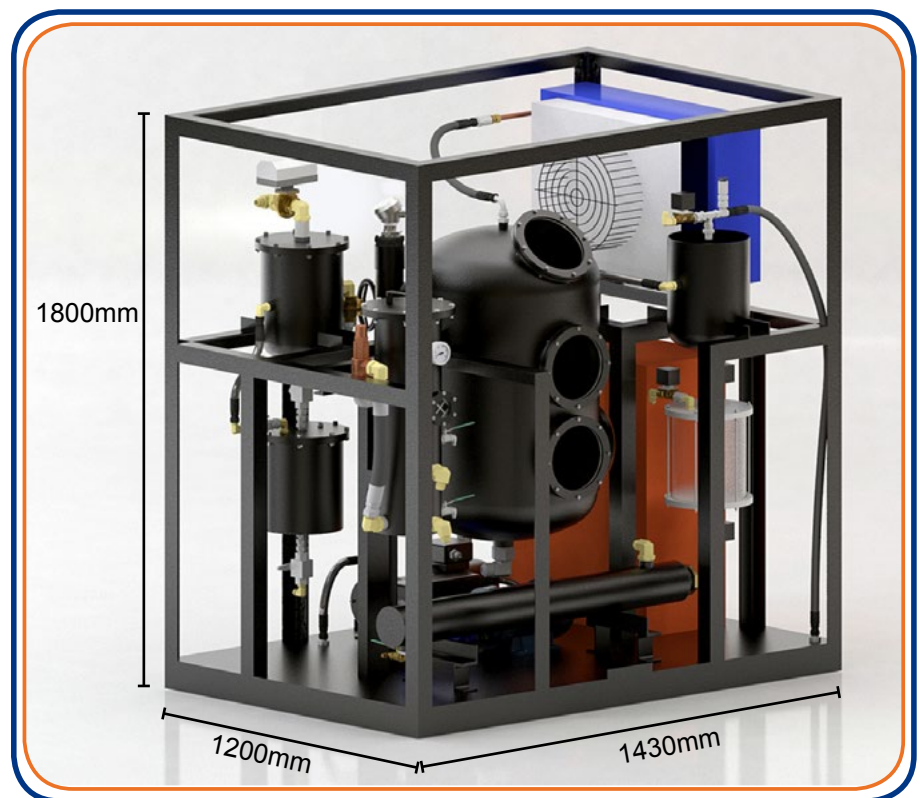
FEATURES

Rapid removal of all water, gasses and acids

High efficiency demulsifying properties

Self-contained, fully automated, Filter Focus One touch Control System

Online operation, condition and revive your oil without shutting down, draining oil or experiencing lost production



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