



2013 Product Guide

Oil Regeneration Systems

Trojan Oil Regeneration System (ORS Series)

For the removal of oxidation aging by-products, such as acidity, sludge, particulate & corrosive sulfur from transformer oil. This returns the oil to an 'as new' condition (NN < 0.03). The Fullers Earth media can be reactivated up to 300 times. The online, unattended ORS includes a vacuum purification system for online removal of gas & moisture from the oil & cellulose.

- Online, unattended operation models
- Offline systems of various sizes & flow rates
- Portable or stationary systems

Vacuum Systems

High Vacuum Purification System (HVPS Series) & Trojan Online Vacuum System (TOVS Series)

Designed to remove free & dissolved water, gases & particulate from online or offline equipment. Highly automated with manual override. Oil heat rise to suit.

Applications include:

- filling transformers
- general oil processing
- Flow rates ranging from 1000 LPH (260 GPH) to 10,000 LPH (2,600 GPH).
- Water removal to < 3 ppm
- Gas removal to less than .1%
- Particulate removed to 1 micron



Main Tank Vacuum System (MTVS Series)

Vacuum System with high capacity vacuum pump & blower set for pulling vacuum on transformer main tanks prior to filling. Can be a separate unit, or combined with the Trojan HVP with total capacity designed to suit.

- Various sizes of vacuum pumps & booster available to suit
- Able to maintain main tank vacuum of <1 Torr, or as required
- Includes a freeze trap for collection of moisture from main tank during process

Absorbent Systems

Trojan Dry Out System (TDOS Series)

The tried & proven industry standard for providing a safe and cost effective solution for accurate water contamination analysis, water in cellulose reduction and gas from oil removal on energised transformers. Moisture removed via automatically regenerated large capacity adsorbent filters, with a life span of up to 2 years. Various flow rates available.

- Moisture removal to < 5ppm
- Particulate removal to 1 micron @ beta 1000
- Gas removal to under .25% (HV model only)





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Molecular Sieve (OMS Series)

For the online removal of moisture, particulate & acidity from the oil & cellulose. The systems can be designed to use either loose molecular sieve media or filter elements. The volume of filter media (cartridges) can be adjusted to suit specific requirements.

- Water removal to < 5ppm
- Particulate removal to 1 micron
- Multiple flow rates

Mounting options include:

- trailer
- permanently connected
- highly portable barrow (ideal for underground & difficult access transformers)



Portable Dissolved Gas Analyser (PDGA Series)

Combined with the Morgan Schaffer Calisto 2, 5 or 9, this unique system revolutionises the ease and simplicity of main tank monitoring and condition assessment in real time. The Trojan Calisto provides the transformer manager the opportunity to accurately analyse a large or small fleet of transformers to identify potential trouble units. The Trojan Calisto is a unique and innovative means to apply on-line monitoring to energised transformers for the short term. Operators find these extremely easy to use & a valuable tool in the maintenance program.

Standard options for most systems can include:

- variable flow rates
- remote communications
- data logging



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