



2015 Product Overview

Oil Regeneration Systems

Trojan Oil Regeneration System (ORS Series)

The ORS can be used online or offline to remove oxidation aging by-products such as acidity, sludge, particulate & corrosive sulfur from transformer or bulk oil storage, returning the oil to an 'as new' condition. The Fullers Earth media is reactivated 200 to 300 times, making it environmentally sound and extremely cost effective. The ORS incorporates a vacuum purification system for gas and moisture removal. Based on Trojans standard safety platform it can be used unattended on energised transformers.

- Various sizes, flow rates and mounting options
- Very low environmental impact – years of filter or filter media life
- Online, unattended operation with numerous interlocked safety cut outs



Vacuum Degassifiers – Online or Offline

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

Will remove free and dissolved water, gases and particulate from online or offline transformers. Highly automated with automatic foam level control and other safety cutouts. Proven to be highly effective at low oil temperatures, oil heating can be added to suit.

Applications include:

- Filling transformers
- Oil processing
- Flow rates ranging from 250 LPH / 65 GPH up
- Water removal to < 3 ppm
- Gas removal to < .25%
- Particulate removed to 0.5 micron



Absorbent Systems

Trojan Dry Out System (TDOS Series)

The tried and 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. The selectable degassing cycle uses no additional heating and is proven to be highly effective at very low oil temperatures

- Moisture removal to < 5ppm
- Particulate removal to 1 micron @ beta 1000
- Gas removal to low levels (HV model only)





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Molecular Sieve (OMS Series)

For the online removal of moisture, particulate and acidity from the oil and 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 installed
- Highly portable cart (ideal for underground and difficult access transformers)



Molecular Sieve (POD Series)

Over the life of the transformer, the Trojan POD will continually manage moisture levels in the transformer, keeping the water contained within the solid insulation and oil at very low levels, which provides a significant long term benefit to the transformer, with particular emphasis on extending the life of the transformer.

The Trojan POD is designed for long term, unattended operation on any size oil filled, energized transformer with no disruption or impact to the operation of the transformer.

Standard options can include:

- Remote communications
- Data logging
- Sized to suit

Custom Solutions

Trojan Systems has significant experience in providing custom solutions for customers who want to tailor a system to their exact requirements. We love being involved in these projects, assisting customers design equipment they cannot get with other manufacturers.

Please feel welcome to contact us to discuss your requirements.



For more information, please contact Trojan Dry-Out Systems Ltd, or an Authorised Representative Agent

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