

TOLMS - Transformer Oil Level Monitoring System

REDRAGON

The TOLMS (Transformer Oil Level Monitoring System) enables safe oil processing on energized transformers and can be retrofitted to existing degasifiers. It is also available as a factory-fitted option on Redragon TORS and HVD series oil treatment systems, complete with a dedicated electrical enclosure and Allen-Bradley PLC.

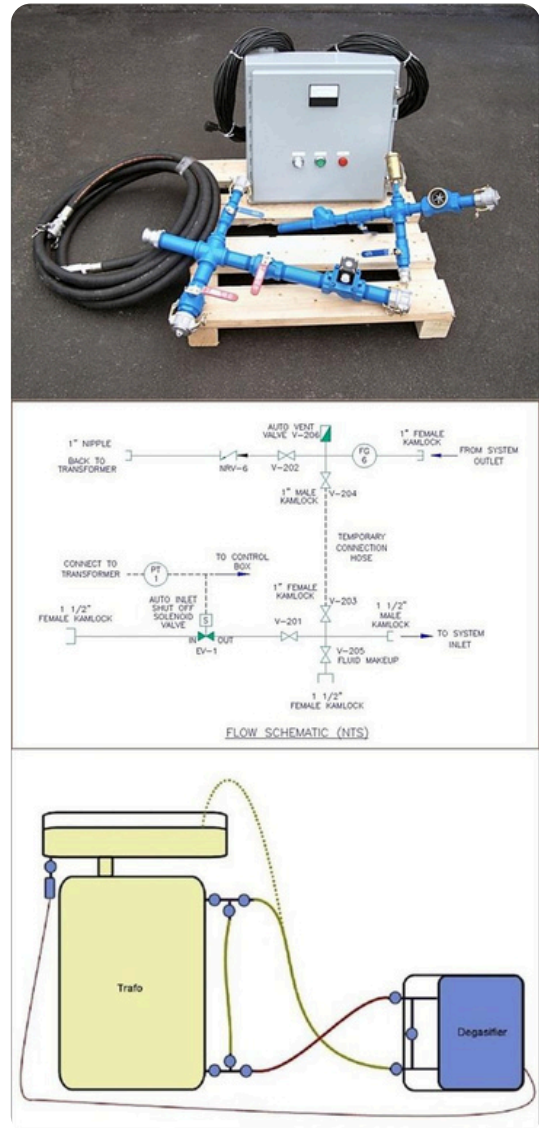
The TOLMS enables convenient transformer oil top-up and allows hoses to be filled while remaining connected to the transformer, eliminating the need for hose changes or handling oil-filled hoses.

Oil level monitoring is performed using a pressure transducer linked to the control panel and supported by a graduated audio-visual alarm system. In the event of a significant oil level drop, such as from a hose rupture, the TOLMS automatically isolates the transformer drain valve to prevent oil loss and equipment damage.

Normal oil level changes caused by thermal expansion or contraction can be easily reset using a pushbutton on the control panel. The current oil level is then set as the new reference point, with any significant deviation triggering an alarm.

The TOLMS features a full-flow bypass system that allows oil flow into and out of the transformer to be precisely controlled from 0% to 100% of the degasifier's nominal flow rate.

The TOLMS is available in a 1" version or a 1½" version, for flow rates up to 6,000 litres per hour. Any global voltage/frequency combination is permissible.



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(top) Retro-fit TOLMS package
(middle) TOLMS flow schematic
(bottom) TOLMS overview

