

TMRTM-N₂

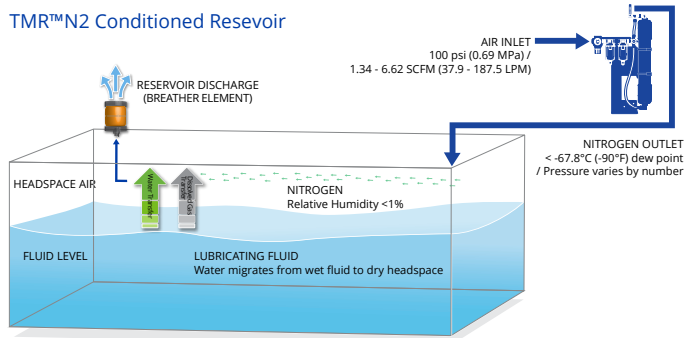
Highly effective water removal system for atmospheric breathing lubricant reservoirs

Total Moisture Removal-Nitrogen systems (TMRTM-N₂) cost effectively remove all 3 forms of water from lubricants and hydraulic fluids through mass transfer which is a highly effective, non-mechanical process. TMRTM-N₂ generates a constant flow of high purity N₂ which is injected into the head space of the lubricant reservoir to remove and maintain very low water levels.



hyprofiltration.com/TMRN2

TMRTMN₂ Conditioned Reservoir



Control water contamination.

Produced Nitrogen is vented at low flow out the breather element, eliminating the effects atmosphere has on the fluid. TMRTM-N₂ systems are regulated, intrinsically safe, and have a manually adjusted flow control valve with flow meter.

Clean, dry, healthy oil.

Dry air mass transfer extracts dissolved water from the fluid and since the nitrogen introduced by the TMRTM-N₂ is an inert gas, it also removes combustible gases (i.e. CO₂, C₂H₂, CO, C₂H₄, C₂H₆, CH₄, and H₂) from the oil to reduce oxidation and fluid breakdown.



Extend your fluid life.

A properly sized TMRTM-N₂ is designed to remove up to 200 ppm of water per day under normal operating conditions to minimize oxidation and fluid breakdown and extend the useful life of your oil while protecting your critical components.

