

TMR[®]-N₂

Water Removal System

Total Water Removal Nitrogen systems (TMR[®]-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. TMR[®]-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.

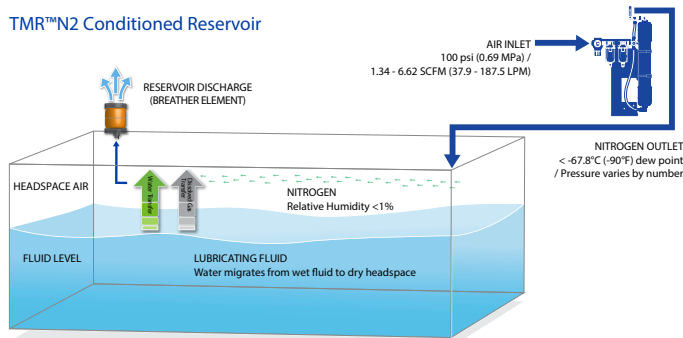


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*TMR[®] is a registered trademark of EPT CLEAN OIL.



TMR[™]N₂ Conditioned Reservoir



Control water contamination.

Produced Nitrogen is vented at low flow out the breather element, eliminating the effects atmosphere has on the fluid. TMR[®]-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 TMR[®]-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 TMR[®]-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.

TMR[®]-N₂ Specifications

Model	TMR-N ₂ -601902	TMR-N ₂ -601903	TMR-N ₂ -601904	TMR-N ₂ -601905 ²
Height ¹	30" (76 cm)	48" (122 cm)	48" (122 cm)	70" (178 cm)
Width ¹	20" (51 cm)	20" (51 cm)	20" (51 cm)	20" (51 cm)
Depth ¹	7" (18 cm)	7" (18 cm)	7" (18 cm)	7" (18 cm)
Weight	38 lbs (17 kg)	44 lbs (20 kg)	48 lbs (22 kg)	55 lbs (9 kg)
Inlet	¼" FNPT	¼" FNPT	¼" FNPT	¼" FNPT
Outlet	¼" FNPT	¼" FNPT	¼" FNPT	¼" FNPT
Air Consumption ³	< 1.2 SCFM	< 2.0 SCFM	< 3.6 SCFM	< 6.0 SCFM
Headspace Volume	< 15 ft ³ (< 0.42 m ³)	< 22 ft ³ (< 0.62 m ³)	< 36 ft ³ (< 1.02 m ³)	< 100 ft ³ (< 2.8 m ³)
Fluid Operating Temperature	30°F to 225°F (0°C to 105°C)	30°F to 225°F (0°C to 105°C)	30°F to 225°F (0°C to 105°C)	30°F to 225°F (0°C to 105°C)
Materials of Construction	Frame Powder coated steel			

Dimensions are approximations taken from base model and will vary according to options chosen.

¹Ships in two pieces.

Minimum 100 psig (6.89 barg).

TMR[®]-N₂ Part Number Builder

TMR-N2-60190 -
Model Special Options

Model	2	TMR [®] -N ₂ Nitrogen Generator for reservoir volume < 400 gal (1,500 liter)
	3	TMR [®] -N ₂ Nitrogen Generator for reservoir volume < 800 gal (3,050 liter)
	4	TMR [®] -N ₂ Nitrogen Generator for reservoir volume < 2000 gal (7,650 liter)
	5	TMR [®] -N ₂ Nitrogen Generator for reservoir volume < 3000 gal (11,500 liter)
Special Options	M1	Manifold to share TMR [®] -N ₂ with 2 reservoirs (601902 and 601903 models only)
	M2	Manifold to share TMR [®] -N ₂ with 2 reservoirs (601904 and 601905 models only)

For all up to date option details and compatibilities, please reference our [Contamination Solutions Price List](#) or contact customer service.



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