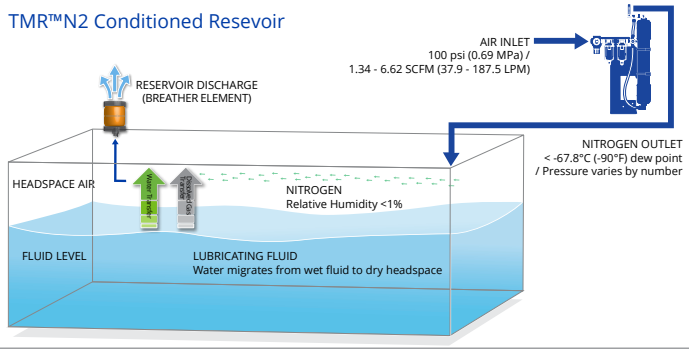
TMR™-N_2

Highly effective water removal system for atmospheric breathing lubricant reservoirs

Total Moisture Removal-Nitrogen systems (TMR™-N_2) 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™-N_2 generates a constant flow of high purity N_2 which is injected into the head space of the lubricant reservoir to remove and maintain very low water levels.

HY-PRO EPT

hyprofiltration.com/TMRN2



Control water contamination.

Produced Nitrogen is vented at low flow out the breather element, eliminating the effects atmosphere has on the fluid. TMR™-N_2 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™-N_2 is an inert gas, it also removes combustible gases (i.e. CO_2, C_2H_2, CO, C_2H_4, C_2H_6, CH_4, and H_2) from the oil to reduce oxidation and fluid breakdown.

Extend your fluid life.

A properly sized TMR™-N_2 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™-N_2 Specifications

Model	TMRN2-601902	TMRN2-601903	TMRN2-601904	TMRN2-601905[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			

[1]Dimensions are approximations taken from base model and will vary according to options chosen.
[2]Ships in two pieces.
[3]Minimum 100 psig (6.89 barg).

TMR™-N_2 Part Number Builder

TMRN2-60190 [ ] - [ ]
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)