

TMD Series Membrane Air Dryers



Benefits of Titus Membrane Technology:

- Capable of delivering pressure dew points from +40°F to -40°F
- Adjustable dew point performance provides energy savings
- Most robust membrane dryer design in the industry
- No moving parts – nothing to wear out or replace
- No field adjustment necessary
- No electricity required – intrinsically safe for hazardous areas
- Easy to install
- No freeze-up potential
- Environmentally friendly – no harmful CFCs
- Eliminates problems associated with desiccant dust contamination
- Proven performance in hundreds of demanding applications
- Most trouble-free drying system available

The simple operation of the Titus Membrane Air Dryer makes it an excellent solution for drying wet compressed air in a wide variety of applications. The dryer has no moving parts and removes the water through the use of a semi-permeable hollow fiber membrane. Membrane technology offers significant benefits over refrigerated, deliquescent or desiccant dryers since there are no electrical or moving parts, no environmentally-unfriendly liquids and no desiccant to replace. The dryer produces a quiet and uninterrupted supply of dry compressed air.

Proven in a wide variety of challenging applications since 1987, Titus Membrane Air Dryers have the ability to produce dry air to a -40°F pressure dew point with the lowest associated purge loss of any membrane dryer on the market. Call us at (888) 722-5253 to find out how Titus Dryers can solve your wet air problems.

Flow Capacity in SCFM at 100 PSIG, 100°F & 100% RH

Model	Flow @ +40°F PDP		Flow @ +20°F PDP		Flow @ 0°F PDP		Flow @ -20°F PDP		Flow @ -40°F PDP	
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
TMDM0700A	1.23	1.01	0.97	0.75	0.79	0.58	0.66	0.45	0.55	0.34
TMDM0800A	4.33	3.50	3.44	2.62	2.84	2.03	2.41	1.60	2.08	1.26
TMDM0900A	7.80	6.70	6.50	5.40	5.50	4.30	4.70	3.50	3.90	2.70
TMDM1000A	17.20	14.90	14.70	12.30	12.60	10.20	10.70	8.20	8.90	6.40
TMDM1100A	29.00	25.10	24.80	20.80	21.20	17.10	18.00	13.80	15.00	10.80
TMDM1200A	56.00	48.40	47.50	39.70	40.50	32.50	34.50	26.30	29.00	20.80

Titus Membrane Air Dryer Systems

At The Titus Company engineered solutions to difficult compressed air and gas drying problems are what set us apart. Don't settle for some off-the-shelf solution to your critical drying needs; trust them to our team of design and build specialists. Cost effective designs such as those shown below have become our hallmark.

The nuclear power industry requires compressed air solutions that provide optimal performance and reliability in a package that is simple to operate and maintain. The Titus Company has excelled in providing solutions to meet these demanding requirements.



Dryer & instrumentation package, 750 PSIG Design



Membrane dryer with aftercooler, separator & filtration package

Compressed air and gas applications for military and naval installations can be some of the most challenging that are faced by system designers. The Titus Company, in conjunction with Air Products and Chemicals, Inc., has designed dehydration systems that are now standard equipment on modern aircraft carriers in the United States Navy, Royal Australian Navy and the Royal Navy of the United Arab Emirates.



Low pressure, SS dryers, 400 SCFM



The Exclusive Distributor in Your Area:

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DRYERS

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