

COMPRESSED AIR DRYERS

INTRODUCING...



Titus
DRYERS

Engineered with PRISM[®] Membranes

AIR PRODUCTS 

Titus MEMBRANE SYSTEMS



Applications:

Anywhere you use compressed air, you need a dryer.

TDX Dryers cover a wide variety of applications including:

Pharmaceutical Processes

Chemical Processes

Laboratory Air

Dental Air

Spray Painting

Dust Collectors

Instrument Air

Conveying Systems

Braking Systems

Blanketing

Material Transport

Pigging / Cleaning

Purging

Mixing

Volumizing

Cable Pressurization

Welding Purge

Laser Cutting

Energy Converters

Ozone Generation

Plasma Generation

Diesel Start

Analyzer Supply

Valve Actuation

Freeze-Up Prevention

The Expandable TDX Series Dryer

The Benefits & Cost of Dry Air

It is a well-established fact that dry compressed air improves production and process efficiency. Dry air prevents product spoilage and contamination, improves tool and component life and reduces system downtime. What is not always understood is that making dry compressed air adds cost in terms of capital equipment expenditure, maintenance and increased energy consumption. It is also true that the drier the air is made, the more expensive each cubic foot of compressed air becomes. Ultra dry air, therefore, should only be employed when absolutely necessary.

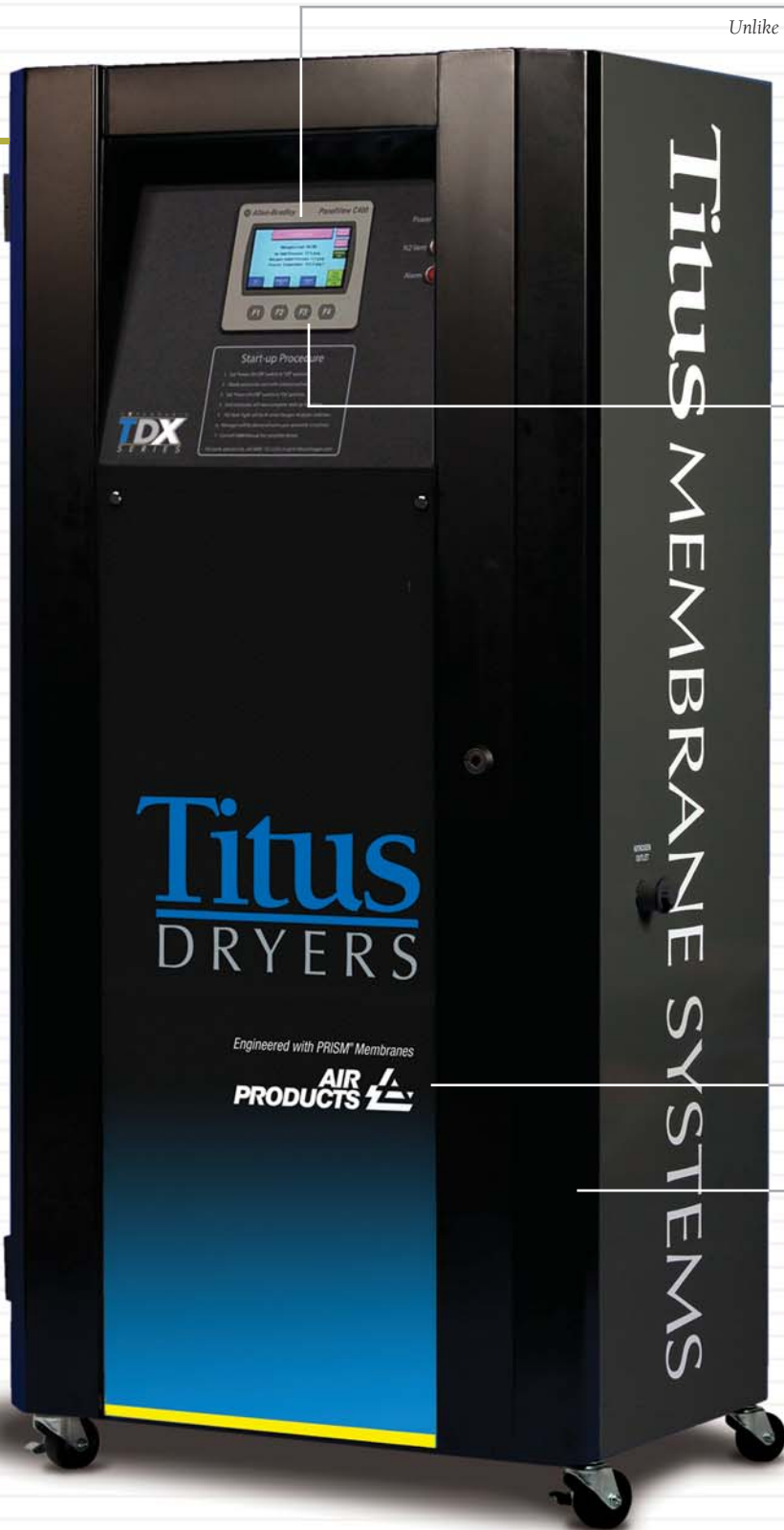
Instrument grade air, as defined by the Instrument Society of America (ISA), has a dew point that is at least 18°F below the lowest ambient temperature to which the compressed air piping will be exposed. If the lowest ambient temperature was 18°F, the dew point temperature of the compressed air would need to be at or below 0°F PDP. Drying air any more or less than required is simply a waste of money.

Finding the Balance Between Cost & Flexibility

Until now the choices for drying compressed air have been limited to +40°F dew point from refrigerated dryers or -40°F and lower from desiccant dryers. +40°F is sometimes not suitable in obtaining optimal yield or ensuring product quality. Achieving a -40°F dew point is expensive, from prohibitive upfront costs, lost compressed air, and increased system pressure drop to very high maintenance costs.

The solution is TDX Dryers. Now you can generate the optimal dew point for your production processes rather than settling for that available from existing technologies. Today, through the innovative application of hollow fiber membranes, it is possible to achieve virtually any dew point from +40°F down to -40°F to more precisely match your application needs.

With TDX Dryers you can do precisely that.



Flexible Capacity & Dew Point Capabilities:

Unlike most drying technologies TDX allows users to change dew point or increase capacity as plant air requirements change. Instead of over-sizing systems for possible future expansion, TDX is field expandable thus reducing up-front expenditures and cost of operation. Standard units feature a dew point selection switch for -20, 0 & +20°F settings.



The Premium Electrical Package

(PEP) provides the optimal level of control, monitoring and information in a slick, PLC-based package. This optional package allows the user to select a fixed dew point or program it to automatically adjust as seasonal changes warrant.



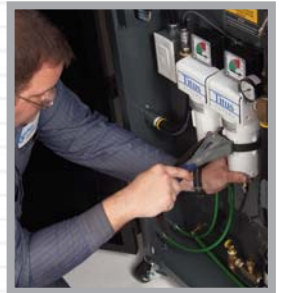
Proven Membrane Technology:

All TDX Dryers feature state-of-the art PRISM membranes from the leader in hollow-fiber membrane technology, Air Products and Chemicals, Inc. PRISM membranes have been proven in countless applications and industries for over 25 years and continue to be the market-leader in performance, reliability and innovation.



Thoughtful Design:

From the integrated, internal filters to the easy-access cabinet and the expandable capacity capability, Titus has kept its focus on designing a unit that is user-friendly, convenient to install and easy to maintain. By all standards of measure TDX hits the mark.



**Ask Us About These
Other Great Products
from Titus:**



***TNX Series
Expandable
Nitrogen Generators***



***TN2 Series
Nitrogen Generators***



***THF Series
Compressed Air Filters***



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