

Instrument Air/Gas Filtration

Process Solutions knows instrument air/instrument gas systems. Depending upon your installation, there are a number of ways to condition your instrument air or gas to maximize plant reliability. We can help you with new dryers or replacement parts for your existing units. Ask us about techniques to reduce waste.

Heatless Regenerative Twin Tower Desiccant Dryers are most common and allow you to attain Pressure Dew Points of -40°F or below. While these dryers waste some air during regeneration, they are easy to maintain and reliable. We can furnish models with Class I Div II electrical ratings, 24 VDC power, and/or high pressure ratings.



Refrigerated Air Dryers are great for indoor applications. They are highly reliable and waste no air. With dew point suppression limited to $+35^{\circ}\text{F}$, these are not suitable for installations where the air piping will be exposed to freezing temperatures.

Membrane Dryers are low maintenance and highly reliable, but they vent a large percentage of your compressed air or gas to atmosphere.

Desiccant Filters are a good choice for smaller applications. Their dew point suppression is less, but they waste no air and have no moving parts.

PRE-FILTRATION IS CRITICAL

Your dryer will perform no better than the pre-filters you install

Regardless of the type of dryer you select, a high quality pre-filter is absolutely required to remove free liquids and oil mists before they reach the desiccant. Also, you must perform regular draining of accumulated liquids in the pre-filters. This can be done automatically in many applications. Ask us about your options!



Timer Automatic Drain Valve

Simple, reliable device reduces labor and liquid carry-over problems

This electronically timed drainer is great for coalescing filters. It will actuate according to your settings to drain liquids from air filter housings. Rated NEMA4, it can be installed in any weather, but NOT in hazardous locations.