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## Air Compressors for Freezer Rooms

When it comes to freezer room fire protection, clean, dry air is the most important component. Sprinkler heads, valves and piping become worthless if your air compressor produces moisture, quickly creating ice plugs. And the fact is that 50% to 70% of freezer room systems are plagued with ice plugs that no one will know about until the place burns down.

In most instances this can be avoided by doing your homework and looking past initial costs. Thinking only of the up-front cost of the machine that supplies dry air to a freezer room system will prove unwise.

Nitrogen units, for example, look good at first, but the long-term performance and costs will be detrimental to the air quality and to your customer's wallet. The nitrogen tanks must be installed according to OSHA standards, tanks must be refilled constantly and regular demurrage fees are also entailed. Furthermore, when the nitrogen runs out a standard air compressor kicks on this defeats the purpose of buying a nitrogen unit at all. Of course you can ignore this innate problem if the system has no leaks (SIC).

So why not buy a standard air compressor for your freezer room?

Even as standard air compressors pull air from the freezer room they still generate hot, wet air usually laden with oil vapor. This dirty air gets into a freezer room system and ice plugs will occur.

The proven, reliable alternative is an air compressor / regenerative dryer unit our model is called the Dry Air Pac (more on this product). This FM Approved unit is guaranteed to keep water out of the freezer room when properly maintained. It also cuts installation costs dramatically because of an exception in NFPA 13, which allows the Dry Air Pac (exclusively) to use ambient intake air.

These compressor / dryer units send the air through an oil removal filter and tower of desiccant to ensure that only clean, dry air enters the system. Furthermore the desiccant only needs to be replaced every 3 years. Note: when you check the low desiccant replacement cost against the cost of constantly replacing nitrogen and renting the tanks, be sure to have your heart pills nearby.

For more information on air compressor / regenerative dryer units and general information on how ice-plugs affect your system please visit the Dry Air Pac section of our web site [www.generalairproducts.com](http://www.generalairproducts.com).

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