



Compressed Air & Gas Solutions For High-Pressure Applications (up to 10,000 psig)

Often Aircel is asked to custom design equipment for specific technical and application needs. Below are examples of applications that required the use of high-pressure drying and the equipment Aircel manufactured. Our customers know they can trust Aircel for quality equipment every time.

Automobile Brake System Testing

AHLD-35 scfm 5,000 psig High-Pressure Desiccant Air Dryer

A national supplier of air brake systems uses a brake testing system to improve quality control for heavy-duty commercial vehicles. Brakes are tested at extreme pressures to extend life, improve safety and reduce warranty claims over the lifetime of the brakes. By drying high-pressure compressed air to -40°F pressure dew point, any potential moisture that would cause rusting of the braking system is eliminated.



Respiratory Breathing Air Tanks

BHD-125 scfm 7,200 psig High-Pressure Breathing Air System

A major manufacturer of respiratory and protective equipment for firefighters was looking to expand their breathing air packs to a higher PSIG range of 7,200 to gain more useable air in the tanks. Typically breathing air tanks for firefighters have a maximum pressure of 6,000 psig. Supplying Grade D breathing air that removes carbon monoxide, hydrocarbons and other contaminants from high-pressure breathing air was essential for the health of their customers. Contaminants are removed and regenerated automatically and no additional catalyst filtration is needed.



Pneumatic Pressure Testing for Heat Exchangers

AHLD-50 scfm 5,000 psig High-Pressure Desiccant Air Dryer

One of the world's largest automotive suppliers for parts uses a pressure testing system to test the quality of heat exchangers locating potential or actual contamination points. Testing the heat exchangers at 1.25 times the stamped maximum working pressure rating was needed to meet safety code regulations. The low dew points produced by this systems will insure a high level of quality control, while adding no contamination to the product.





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Natural Gas Fueling Station

HPLD-1000 scfm 500 psig High-Pressure Desiccant Natural Gas

A compressor manufacturer of an innovated technology using natural gas as its core, supplies a fueling station package of high-quality natural gas in CNG powered commercial vehicles. As natural gas is compressed at fueling stations it becomes contaminated with dirt particles and lubricating oil from the gas compressor.

These contaminants must be removed prior to being introduced into the fuel system of CNG vehicles. Moisture also contained in the gas must be reduced to acceptable industry standards to improve the BTU value of the gas and to improve fuel mileage. Aircel's natural gas desiccant dryer cleans and dries the gas to a level exceeding the quality standards of the industry.



Rig Tensioning for Offshore Oil Platforms

HPR-75 scfm 3,500 & 5,000 psig High-Pressure Refrigerated Air Dryer

A major compressor manufacturer provides a complete package that are engineered for offshore oil environments. This package combines a 4-stage compressor, air dryer and filtration package with a contained cooling system, producing dry, filtered high-pressure air/gas suitable for rig tensioning and offshore applications.

The refrigerated dryers are included in this compressor package and provide a constant 37°F dew point. The dryers have water-cooled condensers and NEMA 4 electrical controls included. Desiccant dryers are available as well for packages that need -40°F dew point.



***Aircel provides high-pressure equipment you can trust and depend on.
Visit www.AircelDryers.com or call (800) 767-4599 for more information.***