

Air Dryer Upgrades & Conversions

CONTROLLER - VALVES - ENERGY MANAGEMENT - REGENERATION SYSTEM

Since 1946, the world has turned to PNEUMATIC PRODUCTS for the quality and service demanded by the most critical of applications. Global leaders of industry require durable components that deliver unquestionable reliability. Our precision engineered components and designs deliver outstanding service life and operational longevity.

Legendary Upgrades

We now offer the ability to enhance your existing equipment with the energy savings and performance of the PNEUMATIC PRODUCTS Legendary Series Dryers.

Experience the money savings provided by a state of the art AMLOC[®] Energy Management System driven by a SMarT ADC or PLC controller. You can now step up to the dependability and performance of Legendary Series Poppet Valves, saving money through increased reliability and reduced maintenance.

Upgrade your equipment to PNEUMATIC PRODUCTS Legendary standards that pay for themselves with efficiency and reliability without wasting the money you have already invested on capital and infrastructure. Now better than new performance costs less replacement.



Engineered Conversions

If anything is constant in today's world, it's change. Changes in business can often change the compressed air demand in your facility, leaving you with an air drying system that can be inefficient and costly to operate. PNEUMATIC PRODUCTS now offers air dryer conversion kits that will allow you to convert an inefficient heatless air dryer into an energy efficient heated air dryer. In addition to providing a more energy efficient regeneration system, these cost effective standalone packages can help your compressors run more efficiently by eliminating the abrupt regeneration pressure losses that are typical with heatless style dryers. Energy savings that can typically **pay for the cost of conversion in less than two years.**

PNEUMATIC PRODUCTS Upgrades and Conversions are installed by factory trained distribution and are backed by the world class performance, reliability and service that only PNEUMATIC PRODUCTS can provide.



Control Upgrades

All PNEUMATIC PRODUCTS control upgrades include in bed sensors to provide accurate measurement of the actual water load of dryer desiccant. This is particularly important in heatless dryer applications, where shorter cycle times require quicker reaction, which cannot be accurately achieved with outlet moisture sensing technologies. The performance and reliability of the AMLOC[®] capacitance probe is backed by a PNEUMATIC PRODUCTS lifetime warranty and never requires calibration.

PNEUMATIC PRODUCTS control upgrades add enhanced communications capabilities to your existing air dryers. With the SMaRT ADC and PLC options, RS-485 Modbus or TCIP Ethernet protocols allow for communication to a DCS or network for remote monitoring of dryer health and performance.

Maintenance, warnings and alarms are stored in non-volatile memory providing the user with proactive diagnostic tools.

Enhanced communication, reliability and fast/accurate energy management combine to form an air dryer control system that pays for itself in uptime and energy savings.



Valve Upgrades

The PNEUMATIC PRODUCTS Legendary poppet valves can now be engineered to add unrivalled reliability and performance to your existing air dryer. Designed specifically for desiccant air dryer service these non-lubricated, self-cleaning, 2-way and 3-way valves are certified to 500,000 cycles. Design features include: friction free poppets, full port, bubble tight, SST internals, air operated control, fail safe positioning, purge adjusting and require no special tools for maintenance.

Installation of a PNEUMATIC PRODUCTS Legendary valve retrofit kit can reduce the number of valves required to operate your dryer, reducing complexity and increasing reliability.



EXISTING
PIPING

AFTER VALVE
UPGRADE

Dryer Conversions

PNEUMATIC PRODUCTS air dryer conversion kits are designed to convert inefficient heatless air dryers into energy efficient heated air dryers. Conversions kits are available for PNEUMATIC PRODUCTS Heat-Les[™] air dryer systems and can be custom engineered for any brand dryer to meet your specifications.

Energy savings provided by a PNEUMATIC PRODUCTS air dryer conversion can typically **pay for the cost of conversion in less than two years.**

Contact your factory authorized PNEUMATIC PRODUCTS expert to see if your air dryer can benefit from a control, valve or regeneration upgrade or conversion.



CONVERSION TO BLOWER PURGE



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