HANKISON
hankisonintl.com

Global Leader in Efficiently Treating Compressed Air

EXCELLENCE IN DESIGN, MANUFACTURING AND SERVICE

REFRIGERATED AIR DRYING TECHNOLOGIES

HPR SERIES REFRIGERATED DRYERS

Dry Compressed Air... Pure and Simple

The HPR Series non-cycling dryers were designed to meet the demands of customers who want reliability and dry compressed air at an affordable price. No fancy "bells and whistles" – just dry air, pure and simple. All HPR Series dryers are built for durability, in a space-saving design. Reliable reciprocating refrigeration systems use environmentally friendly R-134a refrigerant.

- Flow rates from 10 - 500 scfm (17 m³/h to 850 m³/h)
- Adapts to system needs without complicated controls
- Easy to install package saves time. Simply connect the pipes and plug in the power cord (models through 150 scfm).
- Maximum moisture removal – everyday
- At-a-glance control panel dew point indication verifies performance

COLDWAVE™ REFRIGERATED DRYERS

Industry leading ColdWave™ Heat Exchanger Technology lets the latest generation of refrigerated dryers deliver stable ISO 8573.1 Quality Class 4 and Class 5 pressure dew points. All units are UL/CSA certified.

HPR*plus* Series

- Flow rates from 100 to 3,000 scfm (170 m³/h to 5,097 m³/h)
- Integral 3 micron cold coalescing filter, with optional cold coalescing oil removal filter
- Energy Management Monitor saves energy
- User friendly designs: compact footprint, less complex, easy access

HES Series

- Flow rates from 800 - 3,000 scfm (1,359 to 5,097 m³/h)
- Digital Evaporator Technology offers energy saving advantages over other designs
- Integral 3 micron cold coalescing filter, with optional cold coalescing oil removal filter
- Digital Control: Precise matching of input energy to system load... No More....No Less

HIGH-VOLUME REFRIGERATED DRYERS

HV Series and HES Series

Engineered performance and energy efficiency for large systems. Select designs engineered for maximum reliability and consistent performance.

- Flow rates from 4,000 to 20,000 scfm (6,796 m³/h to 33,980 m³/h)
- Stable ISO 8573.1 Quality Class 4 and Class 5 pressure dew points
- Choose less than 1 psi (0.07 bar) pressure differential to realize rapid returns-on-investment
- Energy saving, non-cycling and load-matching designs

HEATLESS DESICCANT COMPRESSED AIR DRYERS

HHS, HHL AND HHE SERIES

Flow Rates from 40 - 5,400 scfm

Utilizing twin towers filled with premium grade activated alumina, Hankison Heatless dryers are available with 3 application specific control systems to meet the needs of industry with economy and performance. Hankison HHS, HHL and HHE Series heatless desiccant dryers provide consistent outlet pressure dew points to ISO 8573.1 Class 1 (-100°F, -73°C).

HHS Series – Automatic SensaTherm® Energy Savings

- HHS Series with SensaTherm® automatically matches purge air use to the demand on the system
- Controller features vacuum fluorescent text display that communicates energy savings, operating mode and service reminders
- Select from one of the four pressure dew point settings to optimize your savings for each season

HHL Series – Selectable Purge Economizer Savings

- HHL Series provides user selectable energy savings
- Tailor the drying cycles to match your peak air demand, in 10 percent increments
- State-of-the-art controller offers four pressure dew point settings to further tune your savings and adapt the system to your environment

HHE Series – -40°F Dew Point Performance

- HHE Series uses a simple timer based controller
- Designed to deliver maximum value to applications that operate at-or-near full capacity
- Automatic time controlled bed regeneration cycles offer consistent performance and economy of purchase

DHW SERIES

Fully enclosed wall-mounted package delivers dew points of ISO 8573.1 Class 1 (-100°F, -73°C) and Class 2 (-40°F, -40°C). Labs, hospitals and hi-tech installations all benefit with dry air and more floor space.

- Flow rates from 5 scfm to 25 scfm (9 m^3/h to 43 m^3/h)
- Highly accurate solid state timer
- Front mounted control panel
- Clean, streamlined piping and utility connections simplify installation
- Automatic operation and stored adsorptive energy result in long desiccant life
- Stainless steel support screens and air diffusers
- Furnished in cabinet for easy wall mounting
- HF Series coalescing filter packages available

HEATED DESICCANT COMPRESSED AIR DRYERS

HEATED PURGE DESICCANT COMPRESSED AIR DRYERS

HPD Series

Global demand for Air Quality Class 3 and our advanced Ambient Air Amplification (A^3) Purge Technology enables us to offer you externally heated purge desiccant dryers with guaranteed dew point performance.

- Flow rates from 300 to 3,200 scfm (510 m^3/h to 5,437 m^3/h)
- Designed for applications that were previously forced to accept a -40°F pressure dew point when simple protection against seasonal freezing is the issue
- Standard design delivers ISO 8573.1 dew points between Class 2 and Class 3 automatically. Class 2 (-40°F) dew points protect against freezing during low ambient conditions and Class 3 (-4°F) dew points keep your air system bone dry during the heat of summer
- Towers filled with extra, high-grade activated alumina to deliver superior performance
- Premium quality inlet switching/purge exhaust butterfly valves for long life
- Optional Load-Matching Energy Management System features A^3 Purge Technology and guaranteed Class 2 (-40°F/-40°C) dew points

BLOWER PURGE DESICCANT COMPRESSED AIR DRYERS

HBP Series

HBP Series dryers improve air system efficiency by the use of a dedicated axial blower, instead of a percentage of dehydrated purge air, to regenerate the off-line desiccant tower. ISO 8573.1 Class 2 (-40°F / -40°C) dew point performance is guaranteed.

- Flow rates from 500 scfm to 4,300 scfm (850 m^3/h to 7,306 m^3/h)
- Extra-large desiccant beds store adsorptive energy for peak efficiency
- 100% efficient at delivering full supply-side compressor capacity...users benefit from the ability to purchase a less expensive air compressor and 20% reduction in compressor operating costs
- Electric or steam powered bed regeneration options to maximize energy efficiency

SPECIALTY DESICCANT DRYING TECHNOLOGIES

HDF Series

- Point-of-use dew point control to -40°F/-40°C and 30 scfm (51 m^3/h)

AA Series

- System back-up protection to -40°F (-40°C) and 3,920 scfm (6,660m^3/h)

FILTRATION TECHNOLOGIES

HF SERIES
COMPRESSED AIR FILTERS

Filter elements have been designed utilizing the latest media innovations and manufacturing techniques. The result is increased performance, reduced size and lower operating pressure drop, in a variety of grades to match your requirements. Housings have large flow areas to reduce pressure drop and to allow easier installation, operation and maintenance. A systems approach has been used to allow for convenient matching of filter types to achieve the air quality you desire, while comprehensive third party testing guarantees performance to CAGI, ISO and PNEUROP standards.

- Flow rates from 20 scfm to 21,250 scfm (34 m^3/h to 36,104 m^3/h)
- Select from 7 specifically engineered grades of filtration
  - **Grade 11** - moisture separator for bulk liquid removal
  - **Grade 9** - moisture separator and particulate removal to 3 micron
  - **Grade 7** - general purpose air line filter with particle removal to 1 micron
  - **Grade 6** - heatless desiccant dust afterfilter removes particles to 1 micron
  - **Grade 5** - high efficiency oil removal to 0.008 ppm (0,01 mg/m^3)
  - **Grade 3** - maximum efficiency oil removal to 0.0008 ppm (0,001 mg/m^3)
  - **Grade 1** - oil and oil vapor removal to 0.0003 ppm (0,004 mg/m^3)
- Element condition indicators, mounting kits and drain options to meet your specific contaminant removal needs

HFM SERIES
FILTER MONITOR

The Auditing Key to Air Pressure Cost Control

Up to 40% of your monthly electric bill reflects the cost to produce compressed air. Even perfectly audited air systems can benefit from the HFM Series. Typical differential pressure indicators force you to accept 6 to 10 psi (0.4 to 0.7 bar) of costly pressure drop before you are advised it is time to change the element.

- Only the HFM Series can reduce your compressed air power costs by up to 5% or more
- Annual energy savings exceed the cost of the HFM Series and the cost of the filter elements
- Control what the only variable in your air system costs you

M SERIES
MIST ELIMINATORS

Long Element Life and Downstream Liquid Slug Protection

Engineered to provide insurance against liquid slugging most commonly caused by aftercooler drain trap failure or improper timer drain settings.

- Flow rates from 125 scfm to 3,000 scfm (212 m^3/h to 5,097 m^3/h)
- <1 psid pressure drop and 8-15 year typical element life
- 5 year equipment warranty
- 5 year element life guarantee
- Liquid removal to 0.5 ppm and 99.98% of particles 0.1 micron and larger

SPECIALTY FILTRATION TECHNOLOGIES

- **HTA Series** - High temperature afterfilters for heated desiccant dryers to 450°F (+232°C)
- **HF High Pressure Series** - Filtration to 1000 psig (69 bar)
- **HF Corrosion Resistant Series** - Quality filtration for hostile environments
- **ACAT Series** - Oil vapor and odor adsorbing towers for true oil-free air

MEMBRANE TECHNOLOGIES

MODULAR MEMBRANE COMPRESSED AIR DRYERS

HMM Series

The HMM Series, Modular Membrane Compressed Air Dryers offer a revolutionary "point-of-use" alternative for low dew point applications.

- Flow rates from 0.29 scfm to 139.5 scfm (0.5 m^3/h to 236 m^3/h)
- Eliminate damaging water by reducing system pressure dew point from +40°F to -40°F (+4.4°C to -40°C) and beyond
- No oxygen is lost due to proprietary membrane design
- Modular connections mate the HMM Series and HF Series prefilters and afterfilters together for quick, clean and easy installations
- Free up floor space with our compact, vertical design
- No moving parts to wear out
- No electrical requirements make it ideal for portable applications and remote installations
- Replaceable membrane bundles combine the convenience of a filter with the reliability of a dryer

CONDENSATE MANAGEMENT

CONDENSATE SEPARATORS

HGS Series and HPE Series

Density or emulsion based condensate separation packages provide cost efficient methods to reduce oily water disposal charges.

- Multiple sizes for system flow rates to 4,500 scfm (7,645 m^3/h)
- Long life filtration
- Three inlet connections
- Upgrade package for all brands of under-performing systems

CONDENSATE DRAINS

Consistent, Reliable Liquid Removal

Pneumatic and electrically actuated drain traps offer cost effective solutions to your toughest drain applications

- Snap Trap® and Trip-L-Trap® - The original pneumatic, self-powered demand drains
- 531, 532, and 533 Series - Rugged timer operated electric drain traps

COMPRESSED AIR TREATMENT FOR HIGH PRESSURE AND INLET TEMPERATURES

HIGH INLET TEMPERATURE REFRIGERATED AIR DRYERS

HIT Series

Cool, dry and clean your compressed air supply in one compact, easy-to-use package.

- Flow rates from 20 scfm to 125 scfm (34 m³/h to 212 m³/h)
- Ideal for reciprocating compressors
- **Cools** – accepts high temperature air to 180°F (82°C) directly from your air compressor…no separate aftercooler and separator required
- **Dries** – removes moisture…eliminates troublesome water from downstream air lines and equipment
- **Cleans** – an integral 3 micron filter removes solid contaminants and 60% of oil aerosols
- Continuously dries and cleans without adjustments
- Eliminates the need to frequently replace desiccants, paper rolls, etc…

HIGH PRESSURE REFRIGERATED AIR DRYERS

HPRD/HPET Series

Designed for 725 psig (50 bar) operation, Hankison high pressure compressed air dryers and filters form an important part of the PET blow molding compressed air installations around the world. Aeronautical valve and control testing, pharmaceutical testing and packaging, and injection molding are also very common applications for the HPET Series.

- Flow rates from 13 scfm to 3,750 scfm (22 m³/h to 6,371 m³/h)
- Compact, plate heat exchangers maintain stable dew points for the life of the unit.
- Integrated filter/separator and condensate management
- Environmentally friendly HFC refrigerants R-134a and R-404a
- Rugged, durable designs built to handle the pressure

BREATHING AIR PURIFICATION SYSTEMS

CATALITE® BREATHING AIR PURIFIERS

Catalite purifiers offer a way to use your compressed air system as a source for breathing quality air. Air purified by a Catalite can be safely used by supplied-air breathing devices such as masks, hoods, and helmets. A complete purification system, Catalites remove excessive moisture, solid particles (dust and dirt), oil aerosols and mists, carbon monoxide, and hydrocarbon vapors commonly present in compressed air.

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RENTAL EQUIPMENT

COMPRESSED AIR AND GASES –

As Clean and Dry As You Need It...When You Need It!

Whether your need is for general usage plant air or process air... or whether you're operating a factory, pressure testing a pipeline, or using compressed air to replace nitrogen... RentalDryers.com can furnish the compressed air treatment equipment to produce the degree of purity needed for your application.

RentalDryers.com's designs make transportation, installation and operation quick and easy. With over 50 years of experience, we are prepared to respond to your needs.

RentalDryers.com equipment is available for immediate shipment throughout North America. Visit us on the web at: www.rentaldryers.com or call us Toll-Free: 1-800-379-3711.

Cool – with an Aftercooler / Separator

- Reduce the temperature of hot compressed air leaving the compressor to safe, usable levels (within 5°F to 20°F of ambient temperature)
- Remove up to 70% of water
- Precondition the air for further drying and filtering

Dry – with a Refrigerated or Desiccant Dryer

- Eliminate troublesome liquid water from downstream air lines and equipment
- Choose a dryer to produce a dew point temperature below the lowest temperature that your air lines are exposed to (dew point temperature = temperature at which water vapor changes to a liquid)

Filter – with a Packaged Filter System

- One micron air line filter removes solid particles
- High efficiency coalescing type oil removal filter removes oil aerosols (also called oil mist, fog, or smoke) and provides virtually oil free air
- Optional system includes oil vapor removal system...eliminates odor from compressed air...protects products and processes from contamination

SPX HANKISON

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