

# PNEUMATECH INC.



**WORLD LEADERS IN COMPRESSED AIR & GAS SYSTEM ENGINEERING**

## Refrigerated Dryers

### **Non-Cycling Refrigerated Air/Gas Dryers**

Our low pressure drop heat exchangers, cooling units, separators and automatic drain valves minimize pressure loss, maximize energy savings and maintain +39° F (±2° F) pressure dew point.

**(Bulletin A-7 and A-7-A up to 4,000 SCFM)  
(Bulletin A-5, 5,000 SCFM and larger)**



### **Cycling Refrigerated Air Dryers**

Our energy-efficient Chilled Media™ Cycling Dryer is an ideal solution for operations that plan future expansions to their compressed air systems. These dryers cycle the refrigeration compressor based on the dew point temperature of the compressed air. Under partial load conditions, the refrigeration compressor shuts off once the dew point setting is reached, making it economical to operate. Because the designed chilled media temperature is achieved within 20 minutes of start up, our cycling dryers can be shut off during non-production hours for additional cost savings, unlike competitive models.

**(Bulletin A-9)**



### **Combination After Cooler/Refrigerated Dryers**

These five-component, five-function units eliminate water, oil and dirt from compressed air systems, preventing damage to pneumatic tools and cylinders and adding to their useful life. Improve production quality and efficiency.

**(Bulletin A-2)**



### **Refrigerated Landfill Digester Gas Dryers**

Designed specifically to dry and filter landfill and digester gas for resale as a low-cost replacement to natural gas. Also ideal for use by engine manufacturers to improve the combustible quality of methane gas on which their engines perform. System designed to accept saturated gas at 100°-110° F inlet conditions. Pressure 15-500 PSIG. Ambient air temperatures 50°-105° F.

**(Bulletin A-15)**



## Regenerative Dryers

### **Regenerative Air/Gas Dryers**

External Heat, Heatless, Blower Purge and Heat of Compression Regenerative dryers in capacities ranging from 5 to 25,000 SCFM deliver dew point performance between -40° F and -100° F. With our patented Pulse Purge Regeneration™ (external heat only) and Dew Point Demand options, you will maintain -40° F pressure dew point under both full- and partial-load conditions with operating costs similar to that of a refrigerated dryer. In combination, these options reduce dryer-related energy costs by up to 50% and extend the life of your dryer.

**External Heat (Bulletin A-10-PE; A-10-EE)**

**Blower Purge (A-10-PB)**

**Heatless (A-10-PH; A-10-EH)**

**Heat of Compression (A-10-HC)**

**Mini-Series Heatless Regeneration Dryer (A-4; from 5 to 50 SCFM)**



## Cooling Systems/Pump Skids

### **Closed Loop Liquid Cooler Coils**

Our closed-loop design uses ambient air for cooling, which avoids water consumption and contaminant build-up generally associated with cooling tower systems. These units are ideally designed for cooling water and glycol solutions, cutting and hydraulic fluids, and lubricants. Savings in water and sewerage costs offer equipment pay-back of less than one year.

**(Bulletin A-17 and A-17-A)**



### **Pump Skids**

Our Pump Skids can be used individually or in conjunction with our coils to make a complete closed loop cooling system. Model choices include single and dual ODP or TEFC pumps, manual or automatic switching, and all NEMA classes.

**(Bulletin A-17-A)**



## Filters/Aftercoolers/Drains

### Compressed Air/Gas Filters

Pneumatech offers a complete line of filters to eliminate oil, particulate, vapor and odors. Our Coalescer, Particulate, Adsorber, and Coalescing/Particulate combination-style filters deliver the most dependable protection available for your compressed air/gas equipment. Flow rates up to 21,000 SCFM; connection sizes from 1/4" to 12". Mist Remover™ filters also available.

(Bulletin A-8)



### Air/Water Cooled Aftercoolers

Remove moisture and damaging impurities from compressed air. Highly efficient, durable and compact design. Approach temperatures of 5° F - 20° F. High-efficiency carbon steel moisture separator has large sump and quiet zone to avoid re-entrainment.

(Bulletin A-3; Bulletin PWC-1)



### Air-Free™ Drains

Combining the best of demand float and solid-state electronic controls, our Air-Free Drain operates totally on demand and monitors its own operation with no compressed air loss. Quiet, reliable operation.

(Bulletin A-16)

### Automatic Drain Valves

Exclusive, solid-state timing action with solenoid valve and large drain opening make this drain valve virtually clog-proof. Programmable timing cycle, compact design and flexible mounting options to suit all your needs.

(Bulletin A-16)



### Electric Ball Valves

Reliable performance and dependable operation of this automated ball valve saves time. Adaptable to any size air or water system, it delivers 150 inch pounds of valve-opening torque. Adjustable to 225 timer-operated drain settings and 15 different cycle durations from 4.5 to 67.5 seconds. Time between cycles can be programmed between 2-30 minutes.

(Bulletin A-16)



## Water Chillers

### Refrigerated Water Chillers

Choose one of 22 models from 1/4-ton to 100-ton capacity to ensure precision temperature control of process fluids, including water, solutions, oils and chemicals. Air- and water-cooled models are available.

(Bulletin A-18)



Distributed By:



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