

The Superior Oil-free Air Solution

MPW's Industrial Air Utility Services ensure reliability and productivity for oil-free compressed air

Oil-free compressed air is important to many manufacturers in every Standard Industrial Code. If oil would reach the product being manufactured, production down-time, product damage and even potential FDA violations can result. Both down-time and product damage or waste are events that negatively impact the financial performance of the entire industrial operation.

A large number of industrial processes have zero tolerance for the introduction of oil into the end product being manufactured. Industries requiring oil-free compressed air include automotive, food and beverage, plastics, semiconductor, pharmaceutical and many others.



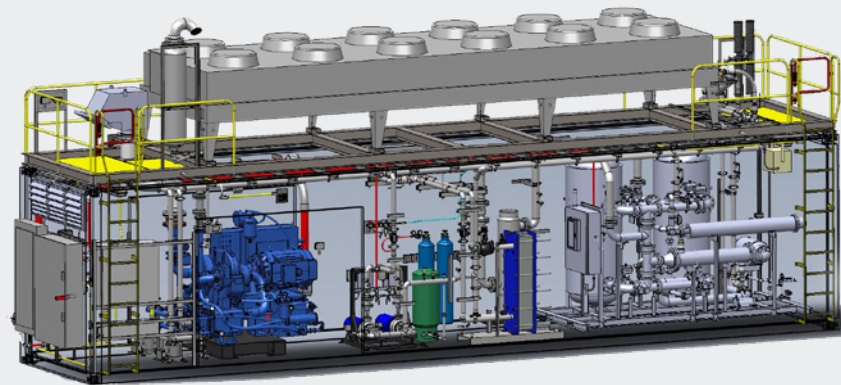
MEETING ISO 8573-1 CERTIFICATION

The International Standards Organization has issued the ISO 8573.1 Air Quality Classes for compressed air, permitting engineers to place a clear specification on the air quality they require in their process. There are two sources of oil being injected into the compressed air system—ambient hydrocarbons and the lubrication systems of air compressors.

The goal of many modern manufacturers today is an oil-free compressed air system. Oil-free air compressors, with the appropriate air dryers, coalescing filters and oil vapor removal filters are the preferred system solution to ensure ISO 8573.1 Quality Class Zero or One (measure of oil concentration) reliable compressed air.

Specific to the MPW Oil-Free Compressed Air Utility solution, all air dryers consistently meet the customer's required pressure dew point. Depending on the final system design, we will provide a dryer that meets your preferred conditions.

Specifically, the dryer's Dew Point Demand System can measure the dew point of the outlet air, overriding



the timer and eliminating unnecessary switching of towers resulting in considerable savings. Our dryer has continuous dew point monitoring with history; particulate after-filtering is available as an option.

EFFICIENCY = TOTAL COST SAVINGS

The equipment MPW uses for Industrial Instrument air offers an 18-25% total life cycle cost advantage over most of our competitors. Compressed Air Audits, the use of new equipment, sequenced control schemes and our selection of centrifugal compression and HOC air dryers result in the savings.

Where required for the application, MPW base-load air compressors

feature centrifugal or rotary screw technology from Ingersoll Rand.

100% RELIABILITY – ALL THE TIME

MPW employs only new, state-of-the-art energy efficient compressed air utility systems, which MPW technicians continuously monitor remotely from a central control room in Hebron, Ohio.

Our system design includes N+2 compressors to enable routine weekly maintenance while having one spare compressor in standby. On a normal day, the system has two standby compressors.