

Industrial Compressed Air Centrifugal Module



MPW'S COMPRESSED AIR SOLUTION ELIMINATES LARGE CAPITAL EXPENDITURES

MPW Industrial Air Utility Services offers energy-efficient Ingersoll Rand centrifugal, oil-free compressors designed to meet customers' Compressed Air Solution (CAS) needs. These compressors, available with air-cooled or integrated cooling systems, are packaged in plug-and-play modules that are easily transportable and continuously monitored by MPW.

The CAS Modules deliver 10-15% energy savings over older systems, with MPW handling all service, repairs and monitoring to reduce downtime and costs. MPW also provides uninterrupted backup services to prevent costly disruptions.

No significant upfront capital is needed for MPW's Compressed Air Solution equipment and maintenance services. We offer reliable solutions at a fraction of the usual capital cost.

MPW also offers rental options for Centrifugal Module units, ideal for both short and long-term needs. Contact us for details on electrical supply, water requirements, pressures, and setup.

FEATURES

- **MPW designed, built and tested in-house**
- **Self-contained, oil-free, Centrifugal Compressor with a Twin Tower Desiccant Dryer and optional self-contained Cooling System**
- **Data-acquisition system ensures air quality parameters**
- **100% reliable, instrument air**
- **N+2 compressor design at each location**
- **Integrated Maestro Compressor Control with multiple compressor control features and remote control/diagnostic functions**
- **Top quality air (Class 0 per ISO 8573-1:2010) protects sensitive downstream equipment**

BENEFITS

- **Guaranteed performance**
- **Protection from production downtime, product damage and potential FDA violations**
- **18%-20% cost advantage over competitors**
- **Overhead and maintenance cost elimination**
- **MPW managed operation and risk mitigation**
- **Capital investment reduction or elimination**

INDUSTRIES

- **Automotive**
- **Clean Rooms (Medical & Electronic)**
- **Food & Beverage**
- **Manufacturing**
- **Mining**
- **Petrochemical/Refining**
- **Pulp & Paper**
- **Power Generation**
- **Steel**



DIMENSIONS

Container

42'x8.5'x9.75' (LxWxH)
42'x8.5'x17.5'*

Operating Weight

~55,000 pounds*

PRODUCT AIR

Flow Rate

Up to 1450 CFM

Pressure

Up to 125 psi

Quality

Class 0 per ISO
8573-1:2010

CONNECTIONS

Trim Cooling Inlet/ Outlet

2" 150# ANSI Flange/
Grooved Pipe

Compressed Air Product

4" 150# ANSI Flange/
Grooved Pipe

REQUIREMENTS

Closed Loop Cooling, Trim Cooling Available

Min./Max Trim Cooling Inlet Pressure

50/100 psi

Electrical

(1) 480VAC 3 PH 560 FLA

INSTRUMENTATION

Flow Meter and Totalizer

PLC and Touch Screen
Panel PC for Real-Time
SCADA and System
Trending

Digital Pressure Trans-
ducers

Digital Temperature
Transducers

Maestro Compressor
Controller

*As pictured with optional onboard cooling system

