

Industrial Compressed Air Solution (CAS) Module



MPW'S COMPRESSED AIR SOLUTION ELIMINATES LARGE CAPITAL EXPENDITURES

MPW Industrial Air Services (IAS) builds unitized, energy-saving compressed air modules to customer requirements, replacing the need for customers to own, operate, maintain or monitor facility compressed air needs. The new units offer critical oil-free compressed air, reducing or eliminating both down-time and product damage or waste in any automated manufacturing facility.

The compressed air module provides exacting air quality standards to meet customer requirements, with plug-and-play modules that replace compressors, dryers and ancillary compressor room equipment. Skilled technicians remotely monitor the compressed air solution 24/7, ensuring process uptime is maintained. Specific to the MPW solution, all air dryers meet customer required pressure dew point all the time.

The CAS Module is a completely outsourced solution, eliminating excessive capital expenditures.

Contact us to obtain all new equipment at a fraction of the cost of asset purchase and to increase the reliability of compressed air at your facility.

FEATURES

- MPW designed, built and tested in-house
- Self-contained, oil-free, 350HP 460v
- 1500 SCFM 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

