

# Industrial Compressed Air Centrifugal Module



**MPW'S  
COMPRESSED  
AIR SOLUTION  
ELIMINATES  
LARGE CAPITAL  
EXPENDITURES**

MPW Industrial Air Utility Services utilizes the most energy-efficient Ingersoll Rand centrifugal, oil-free technology best suited to customers' Compressed Air Solution (CAS) requirements. The compressors can be air cooled, or the modules can feature self-contained, integrated cooling systems. These components are packed into plug-and-play modules, which are easily transportable and continuously MPW maintained and monitored.

The compressors in the CAS Module will provide 10-15% energy savings over older compressed air systems. MPW provides all of the equipment service and monitoring required for these modules. Savings include routine and repair service costs as well as maintenance monitoring costs. MPW can also provide complete, uninterrupted back-up services to ensure no costly downtime.

There is no significant up-front capital cash outlay to obtain MPW Compressed Air Solution equipment and associated maintenance services. Ask MPW how we can help provide high quality, reliable Compressed Air Solutions at a fraction of the capital cash outlay typically required.

## 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

