



The AirMaster+ Software Tool

Diagnose the energy use of your industrial compressed air system and identify ways to improve its energy efficiency

Discover Your Facility's
Energy-Savings Potential with
ITP Software Tools





The AIRMaster+ Software Tool

Developed by the U.S. Department of Energy's Industrial Technologies Program (ITP), AIRMaster+ is an online software tool that can help you analyze the energy use and savings opportunities of your industrial compressed air system. AIRMaster+ provides a systematic approach to assessing compressed air systems, analyzing collected data, and reporting results, which leads to energy savings and the lessening of environmental impacts. Those who may find AIRMaster+ most useful include companies or distributors of compressed air equipment, compressor system auditors, industrial plant personnel, and utility representatives.

How Does AIRMaster+ Work?

AIRMaster+ includes a database of generic or industry-standard compressors and generates an inventory specific to your actual in-plant compressors. Based on user-provided data, the software simulates existing and modified compressed air system operations. AIRMaster+ also includes LogTool—companion software that serves as a data importation and analysis aid. AirMaster+ requires users to input

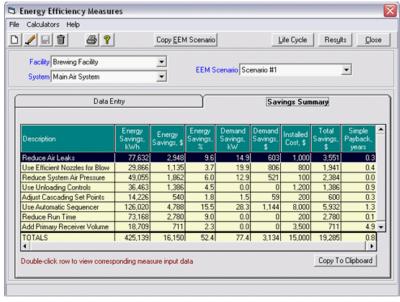
- · Company information
- · Utility service information
- · Facility information
- · System information
- · Compressor details
- · Profile/use information.

Once established, your AIRMaster+ database can be updated at any time, which is especially helpful as new information becomes available or as modifications are made to each facility or compressor inventory list. Whether using information from the user-defined list or from the industry-standard list of compressors—which range from 1 to 3500 hp—AIRMaster+ provides a thorough analysis of potential air system energy savings by allowing you to evaluate your system across eight Energy Efficiency Measures (EEMs):

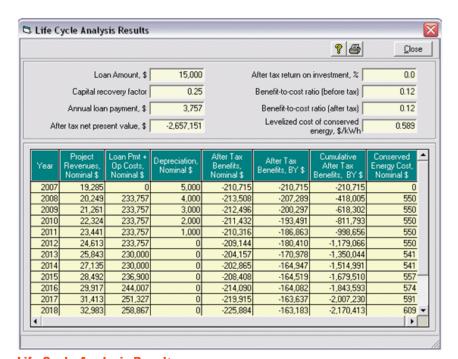
- Reduction of air leaks
- Improvement in end-use efficiency
- Reduction of system air pressure
- · Use of unloading controls
- Adjustment of cascading set points



AIRMaster+ Home Screen



Evaluation of EEMs



Life Cycle Analysis Results

- Use of automatic sequencer
- Reduction in run time
- Addition of primary receiver volume.

The EEMs feature provides an easy method for analyzing energy savings and payback periods, but that is only the beginning. AIRMaster+ also provides maintenance logging capabilities, as well as life cycle analyses for air compressor systems.

Overall, AIRMaster+ is a one-stop shop for compressed air system evaluations and recordkeeping.

What's the Next Step?

AIRMaster+ will guide you to the ITP resources that will help you implement improvements at your facility to realize energy and cost savings, including

- Other system-specific software tools to identify targeted savings opportunities
- · Consultations with ITP's Qualified Specialists
- Special training sessions for plant-wide and system-specific improvements.

How to Access AIRMaster+

AIRMaster+ can be **downloaded for free** at http://www1.eere.energy.gov/industry/bestpractices/software_AIRMaster.html.

To learn more about AIRMaster+, visit http://www1.eere.energy.gov/industry/bestpractices/compressed_air.html.



More ITP Resources

In addition to AIRMaster+, ITP provides a variety of free software tools to help you identify energysavings opportunities across your facility. These tools specifically target

- Motors
- Fan systems
- Process heating systems
- Pumping systems
- Chilled water systems
- Industrial facilities/buildings
- Steam systems
- Data centers.

To access these tools, visit http://www.eere.energy.gov/industry/bestpractices/software.html.

To learn about training opportunities on topics related to these systems, visit http://www.eere.energy.gov/industry/bestpractices/training.html.

For more information on ITP, visit http://www.eere.energy.gov/industry/.