

REDUCE THE ENERGY COST OF COMPRESSED AIR **BY UP TO 90%.**



airstar

Controls compressed air. Cuts cost.

EASY TO INSTALL, IMMEDIATE SAVINGS.

INNOVATOR 10





UP TO **90% REDUCTION** OF COMPRESSED AIR CONSUMPTION.

ABOUT AIRSTAR

Any company which uses jets of compressed air in their processes can take advantage of this simple yet effective tool.

Airstar is designed to reduce compressed air consumption by up to 90% without affecting the process when open jets are used.

Airstar is a cost effective, engineered solution, designed for easy integration with a flexible on/off control based on an intelligent microprocessor system with timed or sensor input. The systems can be fitted onto all nozzle sizes up to 16mm.

Airstar is ideal for applications such as material movements, dispersion of liquids, cooling items, reverse jet filtration, removing items from trays and/or tools and any other applications in which open compressed air jets may be in use.

Airstar is a packaged solution sold with all required components. These include the Airstar unit, appropriate high speed air valve, cable connections and sensors if required.

THE BENEFITS OF AIRSTAR

The Airstar system is the first solution of its kind, engineered to control air consumption at the point of use and offering a range of benefits to users including:

- Up to 90% reduction of compressed air consumption
- Reduced electricity bills
- Reduced maintenance costs of compressed air networks
- Reduced carbon footprint
- Ensures only correct flow is provided to the point of use
- Flexibility, with option of preset savings or volumetric sensor setting
- Minimises health & safety issues relating to high pressure at the point of use
- Designed, engineered and built in the UK
- 12 months warranty
- Payback period from as little as 6 months

"Since the installation of the Airstar systems at the reverse jet filters (89% saving) and Pyrometers (50% saving), we have been delighted with the savings that we have recorded on site. Airstar has helped us to reduce our impact on the environment and substantially lowered our electricity bills."

John Whitesmith, Manufacturing Director, Polyflor PLC



SIGNIFICANTLY REDUCING COMPRESSED AIR COSTS

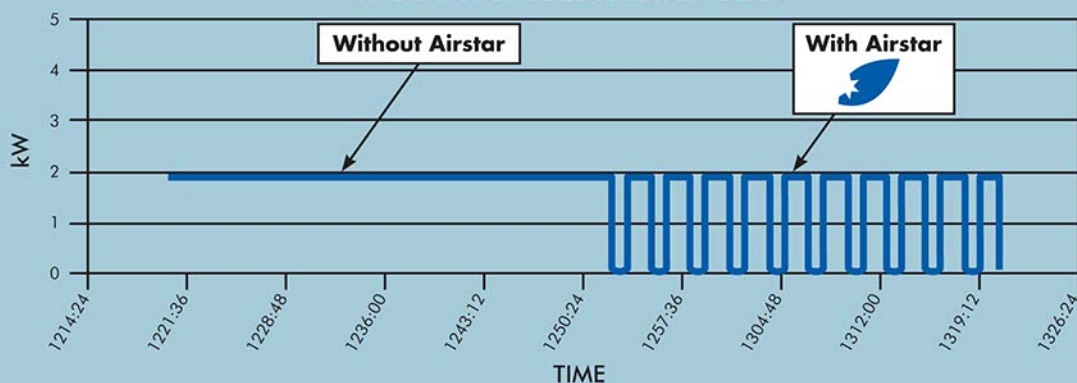
Compressed air is one of the most expensive energy sources to a company, accounting for as much as 15% of total electricity costs on many large manufacturing sites.

Due to the commitment of companies to reduce their carbon footprint, utilising efficient and cost effective solutions to reduce compressed air usage is becoming increasingly important.

There are many initiatives which can be taken to reduce the electrical generation costs of compressed air including new compressor technology, leak reduction, and minimising operating pressures, but these do not afford the level of savings and additional benefits delivered through the Airstar system.

Airstar operates at the point of use and is therefore able to accurately control air using an intelligent microprocessor system. The Airstar ensures that the operation (process) is not affected whilst significant reductions in energy usage are achieved.

WHAT EFFECT DOES AIRSTAR HAVE?





REDUCES MAINTENANCE COSTS AND YOUR CARBON FOOTPRINT.

COMPANY PROFILE

- At the forefront of technological advances in energy management
- Engineering company formed in 2001
- More than 150 years combined experience in design and manufacturing
- Exports overseas to 15 countries including Australia, South Africa and United Arab Emirates. This is supported by our offices in the UK and Cyprus.
- All technologies designed, engineered and manufactured in the UK



Dr Alex Mardapittas
BEng, PhD, CEng, MIET, MEI
Managing Director.

Alex studied at Kings College London and then at Brunel University. On completing his research fellowship for

Manufacturing Metrology in 1993, he went on to work in professional computer software training and development. As an experienced Chartered Engineer, with a research doctorate, he possesses an extensive knowledge of software programming and innovative engineering design, which has allowed him to provide award-winning solutions to the marketplace.

OUR CLIENTS INCLUDE





AIRSTAR INSTALLATION

Airstar is a microprocessor control module which operates with a 12V/24V DC solenoid valve (to be installed in the compressed air line) and a sensor (if required).

Components


The unit can be configured to pulse at regular intervals or on receiving a pulse from an external source, such as flow, pressure or any other type of sensors. The Airstar unit can be mounted in any location and mounting plugs are provided. It is housed in a robust plastic enclosure suitable for use in all but the most aggressive environments.

Electrical Supply

The unit requires a 12/24 DC or 110V/220V AC single phase supply which can be fed from either a standard 3 pin plug, or from a suitably protected 230V supply in a machine control panel. Connection is by the 2 pin, figure 8 plug and lead (supplied).

PRICE AND WARRANTY

The Airstar units are available for only £750 + VAT, including a 12 month warranty. The savings made on electricity bills from installing an Airstar unit provides a payback period from as little as 6 months.



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