



AIR SAVING PRODUCTS PREVENTION & DETECTION

HOW MUCH ENERGY AND COMPRESSED AIR ARE YOU WASTING?

The Department of Energy estimates that wasted energy from faulty or poorly maintained compressed air systems costs US industry up to \$3.2 billion annually!

Let us show you
how to convert these
losses to \$avings.

Air Leak Prevention

- » Air-Saver 1" NPT & 2" NPT
- » Ultrasonic Leak Locator





AIR SAVING PRODUCTS

What you need to know...

Air leaks:

Air leaks are a concern for anyone operating a compressed air system. The average plant with no formal leak management program will have air leaks that waste up to 30 percent of the total air capacity.

Leaks will cause compressors to run at full load for longer periods of time. The compressors will not only use more energy but, may also need additional maintenance due to the increased loads.

Leaks can give the false impression that additional compressors are required to meet the demand for compressed air.

Common leak points:

- » Quick connections fittings have o-rings to seal the hose connections.
- » A damaged or missing o-ring will cause the connection to leak.
- » FRL's (filter, regulator & lubricator)
- » The welds found on pipe joints and pipe flanges can leak due to vibrations, age or improper welding.
- » Float or mechanical type condensate drains are also a source of air leaks.
- » Pipe thread connections, air tools and many more sources can be the cause of air leakages.

The Air-Saver:

The air that is stored in the receiver can leak out through the above mentioned sources of air leaks. This is a direct waste of energy.

The Air-Saver is installed on the air piping that comes out of a receiver tank. It can be programmed to automatically open just prior to the start of a work shift and close just after the end of the work shift.

The Air-Saver is an improvement to any compressed air system with the above mentioned air leak problems and has a fast payback.

The Locator:

The Locator is an ultrasonic leak detector and is a necessary part of a leak prevention program.

When a gas passes through a restricted orifice under pressure, it is going from a pressurized laminar flow to low pressure turbulent flow. The turbulence generates a broad spectrum of sound. There are ultrasonic components in the sound and since the ultrasound will be the loudest by the leak site, the detection of these signals is usually quite simple.

The Locator is easy to use and effective at finding compressed air leaks.

Finding a leak is like finding money!



AIR SAVING PRODUCTS

AIR SAVER G1

*Saving Air,
Conserving Energy*



A typical compressed air system will have air loss through pipe work connections, leaking float type drains etc. At the end of the final daily working shift the Air-Saver will shut the air tank off from the rest of the system.

The content of compressed air within the air tank will be saved rather than lost through pipe work leakages.

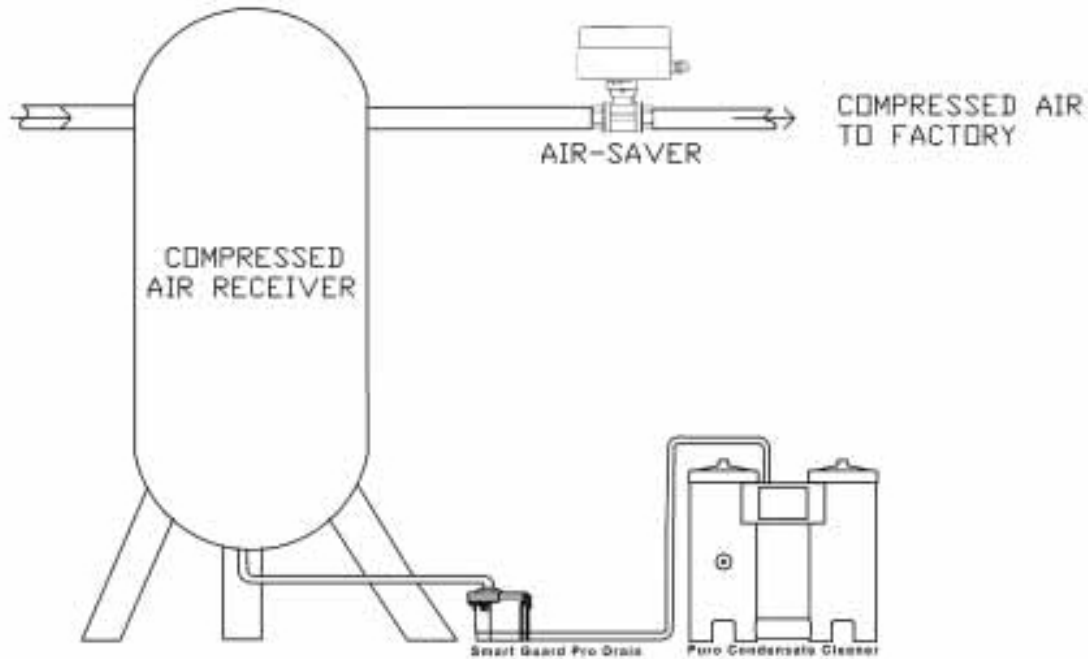
The Air-Saver is installed on the air outlet of the air tank. The Air-Saver will automatically OPEN just prior to the working shift begins and CLOSES just after the working shift is over.

Features:

- » Microprocessor controlled (7 day program feature - multiple cycles possible each day)
- » Fully automatic - no maintenance
- » External push button controls (disassembly not necessary)
- » Easy to program
- » LCD displaying the program cycle and the current time
- » Small compact design
- » FPM seals
- » Orifice 1"
- » Ball rotation 90 degrees in 30 seconds (this to avoid water-hammer when Opening or Closing)
- » Stainless steel ball, valve is nickel plated brass



AIR SAVING PRODUCTS AIR SAVER G1 - SPECIFICATIONS



Specifications:

Supply voltage	115V or 240 VAC/DC 50/60Hz
Power consumption	7W during cycle rotation
Opening / Closing duration	30 sec. / 90 degrees
Operating temperature	0°C to +60°C
Valve	Nickel plated brass with stainless steel ball
Connection	1" BSP or NPT
Pressure range	0 - 16 bar (230 psi maximum)
Indicators	LCD indicating program and current time

Features:

- » Built-in quartz controlled timer
- » Large LCD display
- » Integral lithium battery protects program for five (5) years
- » User-friendly control panel
- » Current time display
- » Each individual day can be programmed according to specific working day shift requirements
- » Reset function



AIR SAVING PRODUCTS

AIR SAVER G2



Saving Energy!



A typical compressed air system will have air loss through pipe work connections, leaking float type drains etc. At the end of the final daily working shift the Air-Saver will shut the air tank off from the rest of the system.

The content of compressed air within the air tank will be saved rather than lost through pipe work leakages.

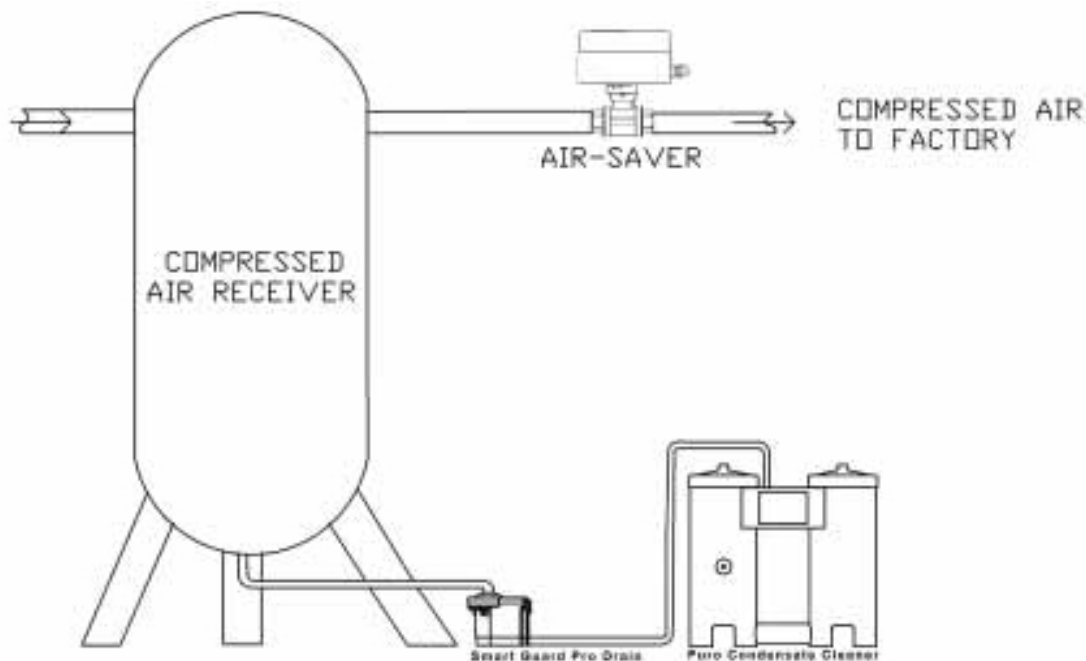
The Air-Saver is installed on the air outlet of the air tank. The Air-Saver will automatically OPEN just prior to the working shift begins and CLOSES just after the working shift is over.

Features

- » Microprocessor controlled (7 day program feature - multiple cycles possible each day)
- » Fully automatic - no maintenance
- » External push button controls (disassembly not necessary)
- » Easy to program
- » LCD displaying the program cycle and the current time
- » Small compact design
- » FPM seals
- » Orifice 2"
- » Opening / Closing duration 2" 105 sec. / 90 degrees
- » Stainless steel ball, valve is nickel plated brass



AIR SAVING PRODUCTS AIR SAVER G2 - SPECIFICATIONS



Specifications:

Supply voltage	115V or 240 VAC/DC 50/60Hz
Power consumption	7W during cycle rotation
Opening / Closing duration	105 sec. / 90 degrees
Maximum ambient temperature	50°C
Maximum medium temperature	100°C
Pressure range	0 to 16 bar (230 psi maximum)
Valve	2" connections, brass/nickel plated
Manual override	Yes
Environmental protection	IP54
Timer display	24 hours

Features:

- » Built-in quartz controlled timer
- » Large LCD display
- » Integral lithium battery protects program for five (5) years
- » User-friendly control panel
- » Current time display
- » Each individual day can be programmed according to specific working day shift requirements
- » Reset function



AIR SAVING PRODUCTS ULTRASONIC LEAK DETECTOR



What produces ultrasound in a leak? When a gas passes through a restricted orifice under pressure, it is going from a pressurized laminar flow to low pressure turbulent flow. The turbulence generates a broad spectrum of sound. There are ultrasonic components in the sound and since the ultrasound will be the loudest by the leak site, the detection of these signals is usually quite simple.

Features:

- » Ultrasonic leak detection to save money
- » SMT/solid state hybrid heterodyne receiver
- » Supplied in case, complete with headset and rubber focusing probes
- » Leaks will be detected from a distance (33 Foot range)
- » Fully automatic - no maintenance
- » Supplied in case, complete with headset and rubber focusing probes
- » LCD displaying the program cycle and the current time
- » Small compact design



AIR SAVING PRODUCTS ULTRASONIC LEAK DETECTOR

Specifications:

Construction	Hand held ABS pistol type ultrasonic processor Stainless steel sensor enclosures
Circuitry	SMT/Solid state hybrid heterodyne receiver
Frequency Response	20-100 kHz (centered at 28-42 kHz)
Indicator	10 segment LED bar graph (red)
Sensitivity Selection	8 precision positions
Power	9 volt alkaline battery
Low battery indicator	LED
Headset	Noise isolating type: double headset wired monophonic Impedance: 16 ohms. Over 23 dB noise attenuation. Meets or exceeds ANSI specifications and OSHA standards.
Transmitter	Warble tone transmission
Response time	300 milli seconds
Ambient operating temp.	0 – 50 degrees C. (32 – 120 degrees F)
Relative humidity	10 – 95 %

Probes:

Scanning module	Stainless steel unisonic (single transducer) piezo electric crystal type
Stethoscope module	Stainless steel plug-in type with stainless steel wave guide
Rubber focusing probe	Circular shaped, shields stray ultrasound signals, focuses signals



Supplied in it's own case with accessories!