



JORC



Highly reliable Air Saving Products
Eliminate compressed air leaks
for incremental savings



Eliminate Air Leaks with JORC's Air Saving Products and **cut compressed air energy costs**

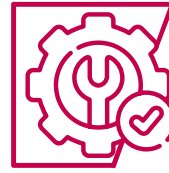
In many industrial facilities, air compressors use more electricity than any other type of equipment. Inefficiencies in compressed air systems can therefore translate to significant losses. Energy savings from system improvements can range from 20-50% or more of electricity consumption. For many companies this is equivalent to thousands, or even hundreds of thousands Euro of potential annual savings. **A properly managed compressed air system that incorporates air saving solutions, can save energy, reduce maintenance cost, decrease downtime, increase production throughput and improve product quality.** JORC stands at the forefront of air saving and condensate management technology, being globally recognized for our equipment's quality and performance. When you choose JORC, you choose a brand trusted by industry leaders worldwide. Browse this product catalog to learn more about our air saving products and request a quote today!

All JORC air saving products are CE, UL, CRN, REACH, RoHS, UKCA, ISO 9001 certified. We also offer private labeling options on all products to help you maintain your branding consistency.



Cost saving

JORC Air Saving Products are an essential part of any compressed air system. Their ability to prevent air leaks translates to increased system efficiency and an extremely quick return-on-investments, and thousands of dollars in savings over the equipment lifetime. JORC Air Saving products don't require any maintenance throughout their lifetime and therefore produce no additional service costs.



Ease-of-use

Simple installation, low maintenance requirements and automatic operation allow businesses to save money that would normally escape from their accounts through air leaks without moving a finger.



Reliability

Thanks to premium materials and simple design, our air saving products offer years of trouble-free operation and require very little maintenance.



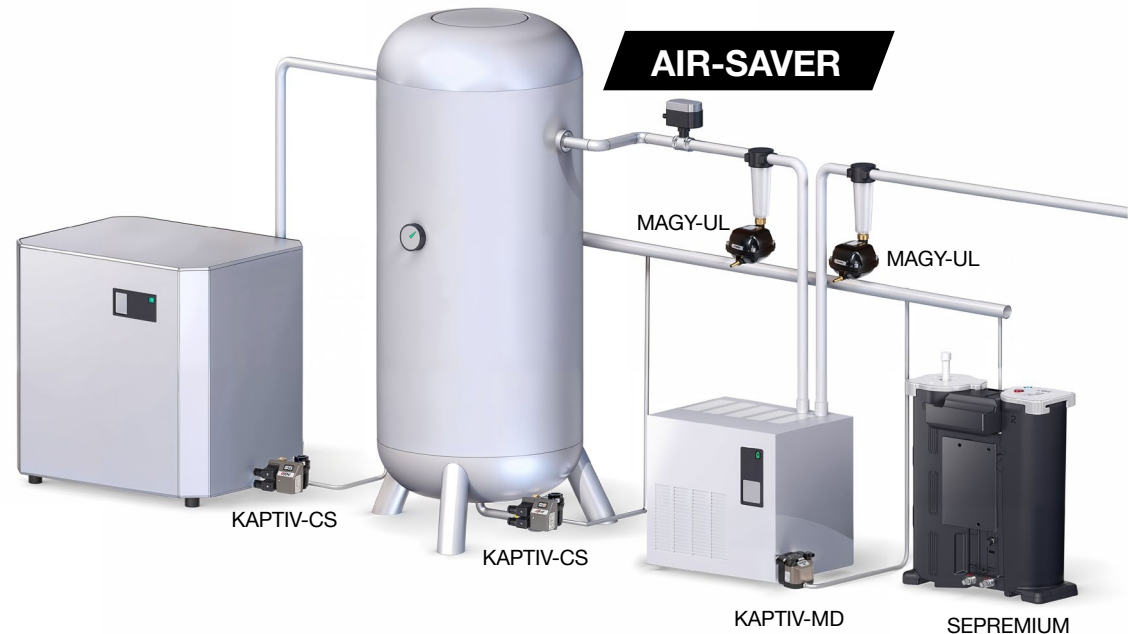


Up to 30% energy wasted in compressed air systems without leak management equipment

Air leaks are a concern for anyone operating a compressed air system. The average plant with no formal leak management program can have air leaks that can possibly 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-rings will cause the connection to leak.
- FRL's (filter, regulator & lubricator). Inlet and outlet connections and bottom drainage point can leak.
- The welds found on pipe joints and pipe flanges can leak due to vibrations, age or improper welding.
- Float or mechanical type condensate drains can also be a source of air leaks, because the operating mechanics can get stuck in the "open" position.
- Pipe thread connections, air tools and many more sources can be the cause of air leakages.



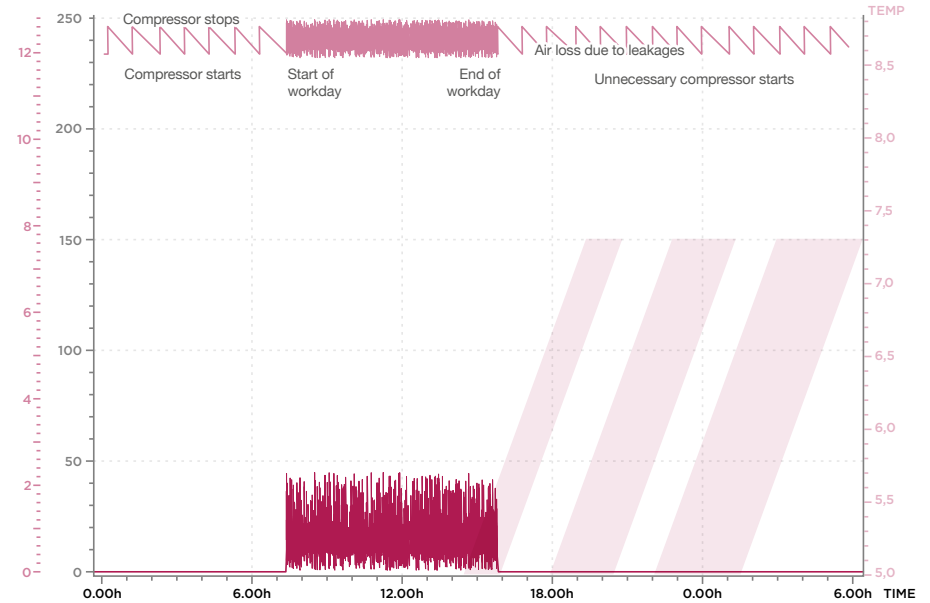
The value of an AIR-SAVER – Automatic cost saving

Compressed air leakages are common and more importantly very costly. **Graph A and B** illustrate the value of the AIR-SAVER when installed. A typical installation is illustrated below. In graph A and B the light blue line demonstrates the operating movements of the compressor, or to put it in other words – ENERGY USAGE. **Graph A** shows a compressed air system without an AIR-SAVER installed. At 4 pm the working shift is over and the compressed air leakages force the compressor to continually bring the air pressure up to the required level (even though no one is working in this particular example). The result is that the compressor kicked in 20 times during the period in which no one was requiring compressed air! **Graph B** shows the same compressed air system with an AIR-SAVER installed. At 4 pm you see that the working shift ends and that the AIR-SAVER is programmed to close. The result is that the pressure in the pipe work beyond the AIR-SAVER is lost as you see the pressure drops to 0 bar. The produced compressed air stored in the air receiver is saved and the compressor does not require to kick on and off to bring the air pressure up to a certain level.

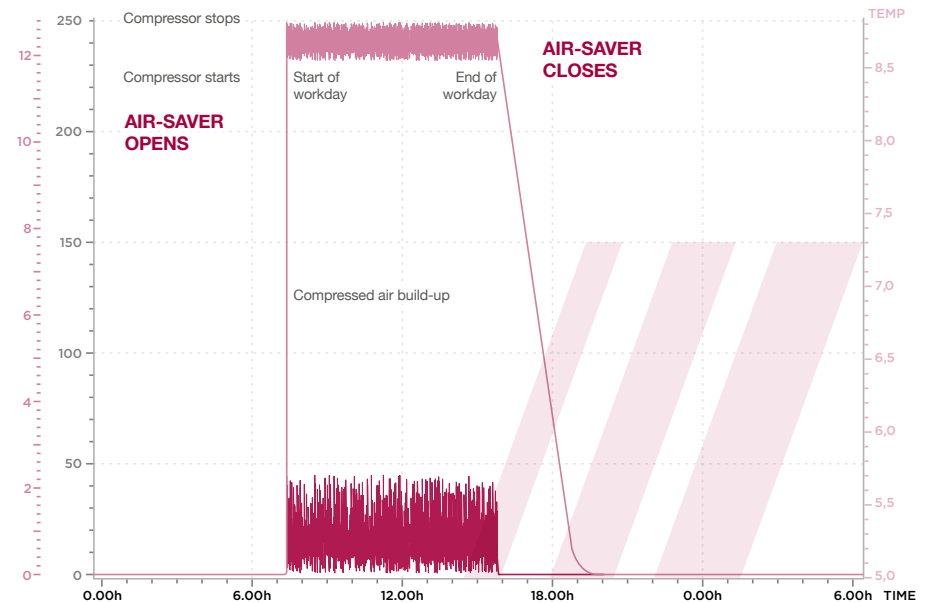
Savings achieved with the AIR-SAVER are:

- Electricity for running the compressor
- Wearing parts and servicing costs of the compressor due to unnecessary compressor operating hours
- Other wearing parts like compressed air filter elements due to unnecessary operating hours

Graph A:
compressed air system without an AIR-SAVER



Graph B:
compressed air system with an AIR-SAVER



*Simplified data visualization based on real-world use case. Please contact our team for more details.



AIR-SAVER G1

Offering a Return-on-Investment equal to 1 unit cost per day of operation.

The AIR-SAVER G1 is a top-quality air flow controller installed in the compressed air line after the air receiver. It opens and closes the air supply to the factory, based on customer requirements, eliminating air loss through pipe work connections and offering a Return-on-Investment equal to 1 unit cost per day of operation. JORC AIR-SAVERs ensure that no unnecessary compressor start-up happens during periods when compressed air is not required and can shut off parts of the system where compressed air is not needed continuously. Using AIR-SAVER, you can not only program each individual day's open and close cycles according to specific working day shift requirements but also extend the programming to up to 100 cycles. With easy-to-use control menu available in 5 languages and being fully automatic, AIR-SAVER G1 makes saving air a piece of cake. Furthermore, the slow ball valve rotation 90° in 30 seconds helps avoid the "water-hammer" effect when opening or closing. In case of power failure, AIR-SAVER G1 can be opened and closed manually, and the built-in battery saves its settings for when the power is back. For improved ease-of-use, a remote control option is also available.

Key benefits:



Quick return on investment



Power-failure-proof



Highly reliable



Easy to use

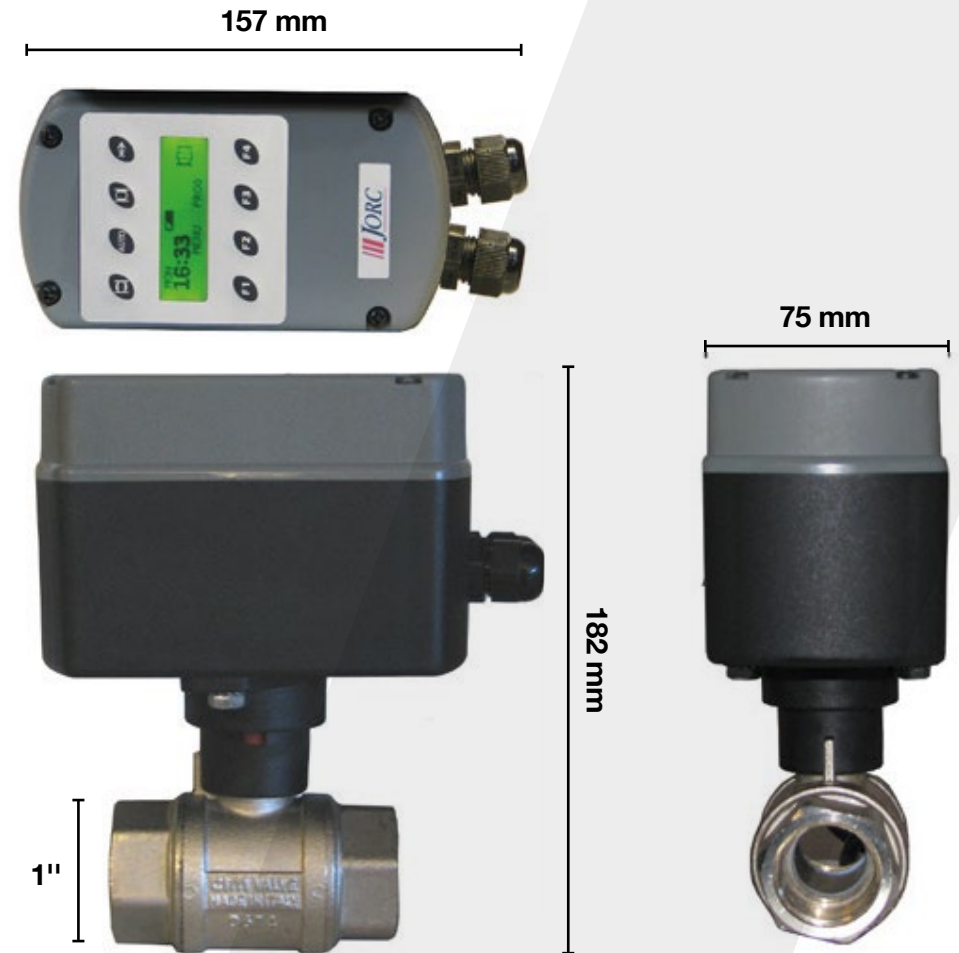


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AIR-SAVER G1

Product specifications AIR-SAVER G1

Min./max. System pressure	0 - 16 bar
Min./max. Medium temperature	1 - 100 °C
Min./max. Ambient temperature	1 - 50 °C
Supply voltage options	115 VAC or 230 VAC 50/60 Hz.
Power consumption	Approx. 7 W during cycle rotation
Enclosure protection rating	IP54 (NEMA13)
Valve inlet/outlet connections	1" (BSP or NPT)
Valve opening/closing duration	30 sec. (90°)
Valve housing material	Brass valve, nickel plated
Illuminated LCD display	Indicating day, time, valve status, battery life
Battery type	CR2032, 3 volt
Programmable options	Week planner, max. 100 switching points, to be distributed over 1-7 days
Manual override	Yes
Remote controllable	Yes (optional)





AIR-SAVER G2

Offering a Return-on-Investment equal to 1 unit cost per day of operation.

The AIR-SAVER G2 is a top-quality air flow controller installed in the compressed air line after the air receiver. The G2 version of the product features all the same functions and characteristics as the AIR-SAVER G1 but differs by incorporating a larger, 2" valve inlet/outlet connection. The AIR-SAVER G2 also effectively eliminates air loss through pipe work connections and offers a Return-on-Investment equal to at least 1 unit cost per day of operation. JORC AIR-SAVERs ensure that no unnecessary compressor start-up happens during periods when compressed air is not required and can shut off parts of the system where compressed air is not needed continuously. Using AIR-SAVER, you can not only program each individual day's open and close cycles according to specific working day shift requirements but also extend the programming to up to 100 cycles. With easy-to-use control menu available in 5 languages and being fully automatic, AIR-SAVER G2 makes saving air a breeze.



Key benefits:



Quick return on investment



Power-failure-proof



Highly reliable



Easy to use

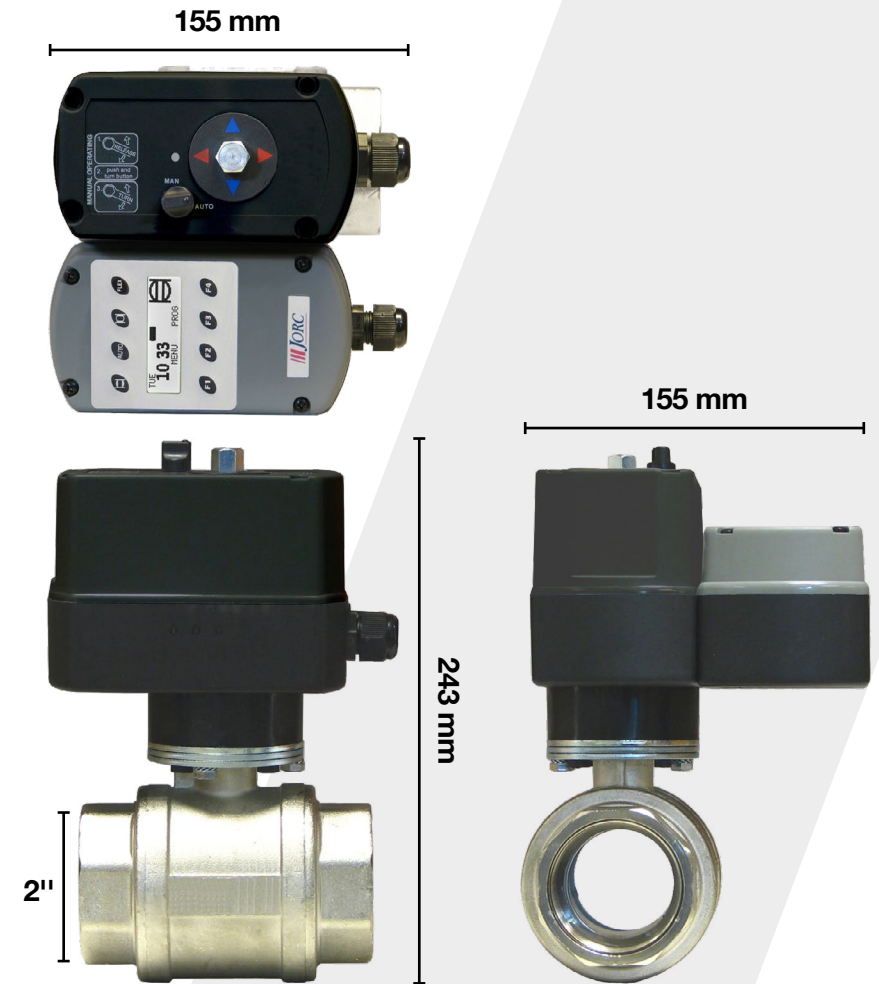


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AIR-SAVER G2

Product specifications AIR-SAVER G2

Min./max. System pressure	0 - 16 bar
Min./max. Medium temperature	1 - 100 °C
Min./max. Ambient temperature	1 - 50 °C
Supply voltage options	115 VAC or 230 VAC 50/60 Hz.
Power consumption	Approx. 9 W during cycle rotation
Enclosure protection rating	IP54 (NEMA13)
Valve inlet/outlet connections	2" (BSP or NPT)
Valve opening/closing duration	105 sec. (90°)
Valve housing material	Brass valve, nickel plated
Illuminated LCD display	Indicating day, time, valve status, battery life
Battery type	CR2032, 3 volt
Programmable options	Week planner, max. 100 switching points, to be distributed over 1-7 days
Manual override	Yes
Remote controllable	Yes (optional)





AIR-SAVER LS G1

Compressed air flow controlled by a light switch.

The AIR-SAVER-LS 1" (Light Switch) is installed in the compressed air line after the air receiver. This clever flow controller is controlled via an internal relay which is connected to an external switch and separate power supply. A typical installation example is to connect the AIR-SAVER-LS to a light switch. By switching on the lights in the production area, the AIR-SAVER-LS will subsequently open. The saved compressed air flows into the factory compressed air line and the compressor kicks in to produce the air needed to fill the system. At the end of the work-shift you switch off the light(s) and the AIR-SAVER-LS will close accordingly.



Key benefits:



Quick return on investment



Easy to use



Highly reliable

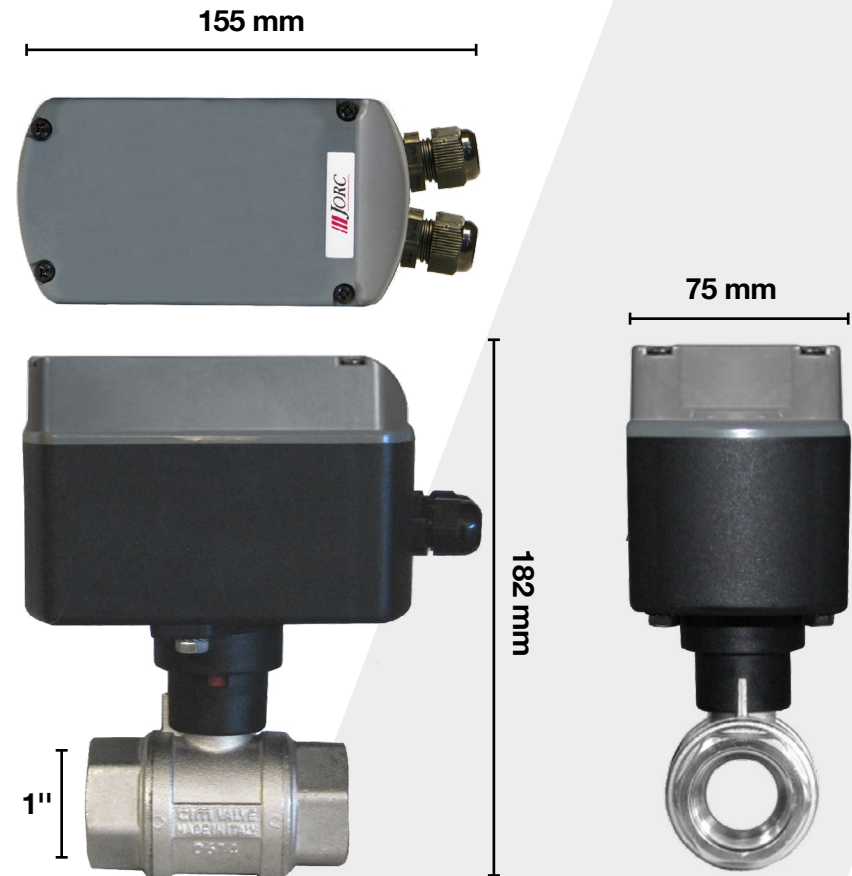


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AIR-SAVER LS G1

Product specifications AIR-SAVER LS G1

Min./max. System pressure	1 - 16 bar
Min./max. Medium temperature	1 - 100 °C
Min./max. Ambient temperature	1 - 50 °C
Supply voltage options	115 VAC or 230 VAC 50/60Hz.
Power consumption	Approx. 7W during cycle rotation
Enclosure protection rating	IP54 (NEMA13)
Relay switch	115 VAC or 230 VAC
Valve inlet/outlet connections	1" (BSP and NPT)
Valve opening/closing duration	30 sec. (90°)
Valve housing material	Brass valve, nickel plated
Manual override	Yes





AIR-SAVER LS G2

Compressed air flow controlled by a light switch.

The AIR-SAVER-LS G2 (Light Switch) differs from the G1 version by incorporating a larger, 2" size valve inlet/outlet connection. This product enables you to control the system air flow on demand by switching the lights in the production area on or off. Thanks to this, it's easy to control the air flow according to the actual work shifts in the facility.



Key benefits:



Quick return on investment



Easy to use



Highly reliable

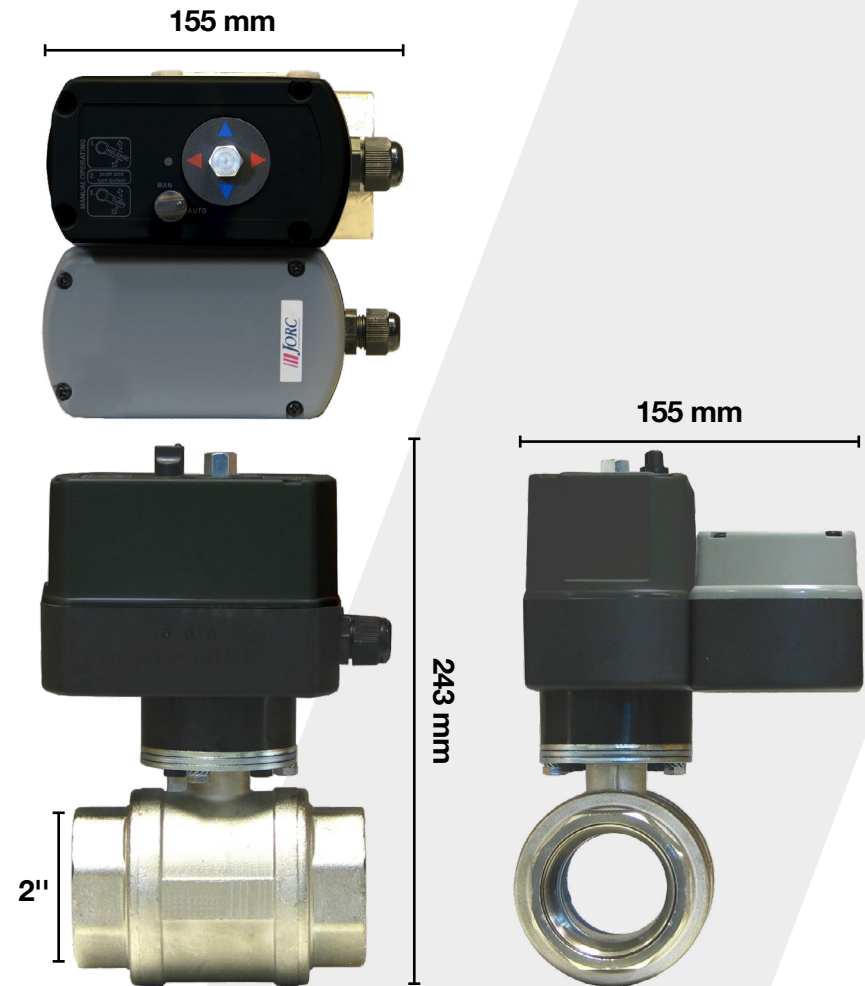


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AIR-SAVER LS G2

Product specifications AIR-SAVER LS G2

Min./max. System pressure	1 - 16 bar
Min./max. Medium temperature	1 - 100 °C
Min./max. Ambient temperature	1 - 50 °C
Supply voltage options	115 VAC or 230 VAC 50/60Hz.
Power consumption	Approx. 9W during cycle rotation
Enclosure protection rating	IP54 (NEMA13)
Relay switch	115 VAC or 230 VAC
Valve inlet/outlet connections	2" (BSP and NPT)
Valve opening/closing duration	105 sec. (90°)
Valve housing material	Brass valve, nickel plated
Manual override	Yes





LOCATOR

Effective compressed air leak detection from up to 12 meters.

The LOCATOR is an ultrasonic compressed air leak detector that detects leakages in compressed air systems at a distance up to 12 metres without the need to shut down production. This light and easy-to-use device is a perfect solution for locating repair points in air lines, offering vast energy and money saving opportunities. Operating in a wide frequency spectrum of 20-100 kHz and featuring a sensitivity selection knob / noise reduction filter up to 70 dB LOCATOR makes eradicating compressed air system's efficiency issues a breeze. Characterized with low initial investment costs, and requiring no maintenance or user training, LOCATOR offers supremely quick payback. The standard version is supplied in a protective case, complete with a headset (optional LOCATOR-Delux version with hard-hat head set with over 23 dB of noise attenuation is also available).

Key benefits:



Quick return on investment



Adjustable sensitivity



Up to 12 meters air leak detection



Easy to use



Request a Quote

LOCATOR

Product specifications LOCATOR

Construction	Hand held ABS pistol type housing processor Stainless steel sensor enclosures
Circuitry	SMT/Solid state hybrid heterodyne receiver
Response time	300 mille seconds
Frequency response	20 - 100 kHz. (Centred at 28-42 kHz.)
Indicator	10 segment visual leak indication LED bar
Sensitivity selection	8 sensitivity positions / Noise reduction filter up to 70 dB
Power	9 volt alkaline battery (included)
Low battery indicator	LED
Ambient operating temp.	1 - 50°C
Relative humidity	10 - 95%
Weight	0.3 kg





LOCATOR EV

Effective compressed air leak detection in a frequency spectrum of 36 - 44 kHz.

The younger brother of our trusted LOCATOR, LOCATOR-EV is an even more portable and lightweight solution for compressed air systems' monitoring. With air leak detection range of up to 10 meters it offers an effective way of preventing energy wastage for in a more specific frequency spectrum. Its size and further improved cost-effectiveness make it a preferable solution for users with limited frequency requirements. Offering majority of the same features as its bigger brother, LOCATOR-EV is a must have for any company that relies on compressed air systems in its daily operations. The standard version is supplied in a protective case, complete with a headset.

Key benefits:



Quick return on investment



Adjustable sensitivity



Up to 12 meters air leak detection



Easy to use

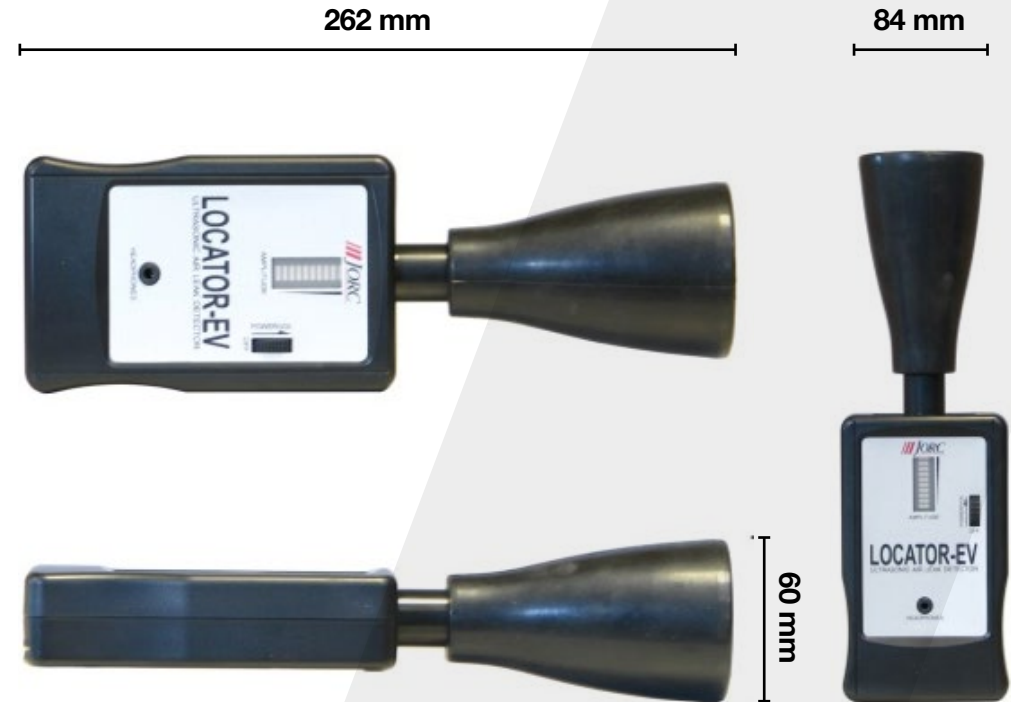


Request a Quote

LOCATOR EV

Product specifications LOCATOR EV

Construction	Hand held ABS housing processor
Circuitry	SMT/Solid state hybrid heterodyne receiver
Frequency Response	36 - 44 kHz.
Indicator	10 segment visual leak indication LED bar
Power	9 volt alkaline battery (included)
Headset	Double headset wired stereo
Response time	300 mille seconds
Ambient operating temp.	1 – 60 deg.
Relative humidity	10 – 95%
Weight	0.3 kg





Service Support

Great care is taken to ensure long lasting components are selected and applied in our products. JORC products are designed in a way that makes **servicing simple, quick and error free**. Servicing JORC products is a cost-effective way to recondition the products for many more years of draining service.



Service & Maintenance

Jorc is dedicated to supporting our partners on every stage of the journey. That's why we offer robust service and maintenance support by providing the needed know-how and performing repairs in our service center. Thanks to this, you can make your customers happy and keep their equipment in top shape throughout its lifecycle.



Genuine Components

Jorc offers genuine spare kits and parts that ensure **100% compliance with original equipment**. Utilizing genuine kits allows to extend the equipment lifetime and keep it running at optimum efficiency. The **service kits include all components that wear and tear in our products**, making the service work seamless. On top of that, we offer a wide range of genuine accessories including strainers, adapters, spare coils and much more.



Manuals & Certifications

Service manuals are available, offering useful information and guidelines during routine maintenance activities. **Contact us to receive concrete materials and support that will help you solve your specific issues in no time!**





In the grand scheme of things, it's often the smallest components that make the biggest difference. JORC Level Sensed Drains are a testament to this truth. Despite their modest appearance, their role in ensuring the efficiency, reliability, and compliance of your compressed air system is undeniable.

So, as you plan your next investment in a compressed air system, remember the silent workhorse that keeps it all running smoothly - the JORC Level Sensed Drains. It's not just a product; it's a partnership in excellence.



JORC

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