

Gardner Denver

REMOTE MONITORING SOLUTIONS
& DATA ANALYTICS

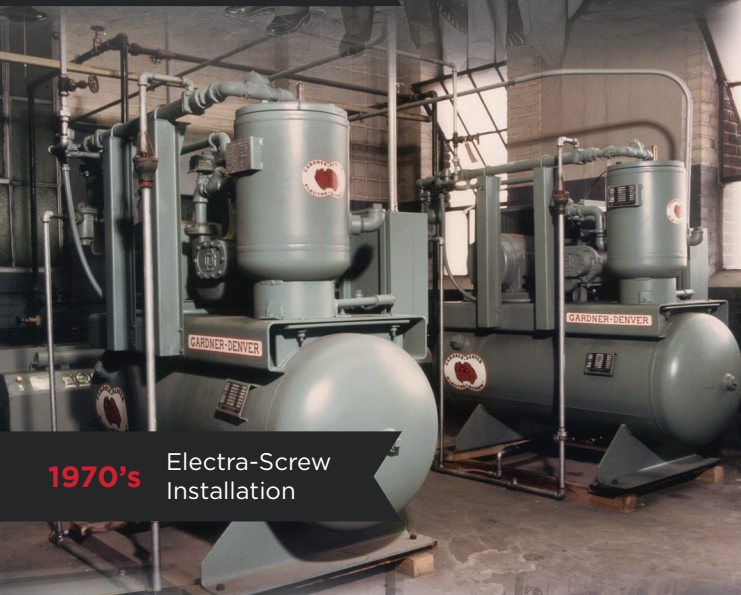
iConn

iConn
by Gardner Denver





1961 Rota-Screw Introduction



1970's Electra-Screw Installation



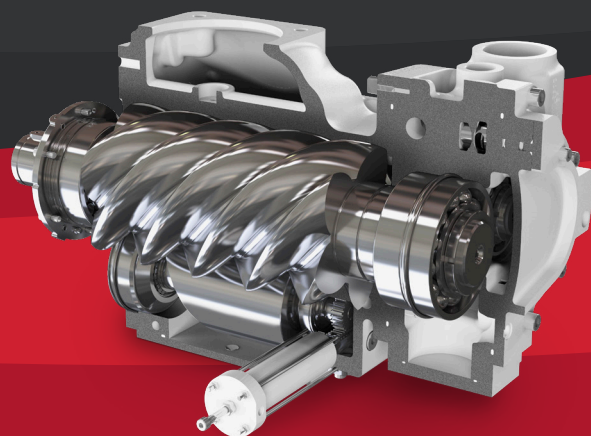
1980's Electra-Saver Mission Critical Location



2000's VS Series Energy Saving Installation

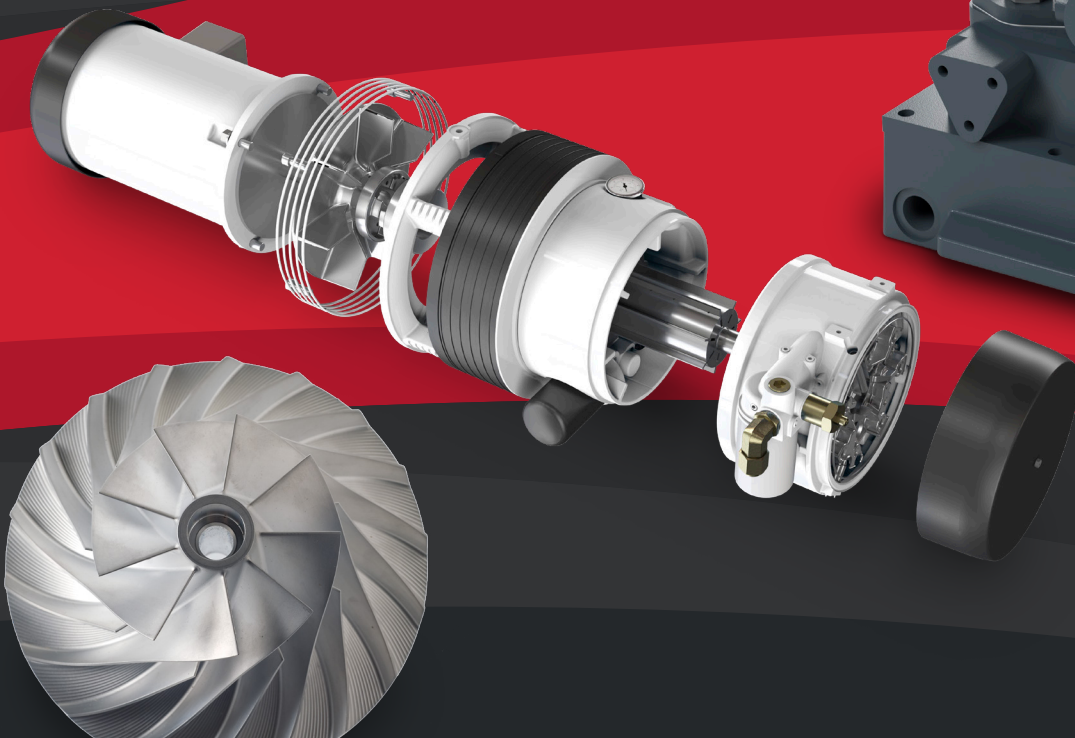
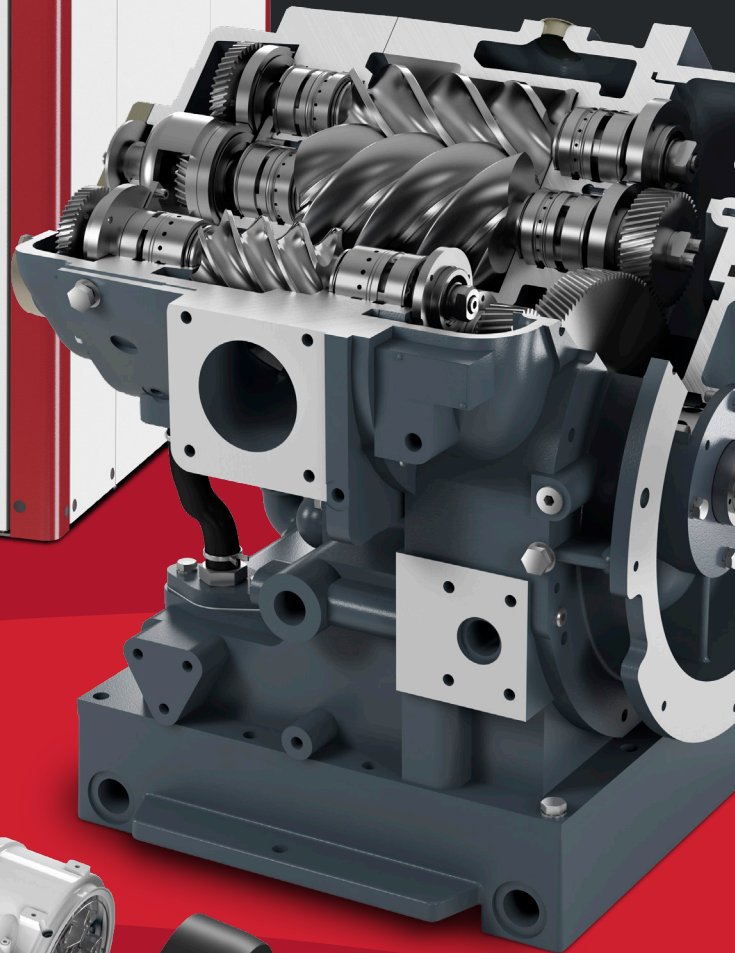
Committed to Innovation

For more than a century and a half, Gardner Denver has been a trusted partner for the world's most demanding and ever-changing compressed air needs. This history of success is centered on the ability to see and meet market needs with the best products and services available. Whether you're talking about our patented oil-lubricated TurnValve technology in the Electra Saver products, the revolutionary oil-free two-stage Ultima, or the next-generation connectivity platform referred to as iConn, the commitment to technology can be seen in every product we produce.



2020's
& Beyond

iConn Cloud-Based
Connectivity



Next Generation Connectivity Platform

iConn is a flexible platform designed by Gardner Denver specifically for air compressor monitoring, not an off-the-shelf product intended to monitor any random thing to which it is connected. The data gathered through iConn keeps you one step ahead by predicting potential issues before they happen; saving precious time and expense. The easy-to-use interface and installation system also shows you how to optimize production and increase energy efficiency.

- Gateway devices connected to our controllers for data transfer via GSM cellular network, so there are no security issues from disrupting your firewall
- Secure cloud-based database solution
- Browser-based dashboard displays key operating data
- Performance monitoring, predictive maintenance and energy optimization

Imagine an air compressor
informing us when it's unhealthy, has faults, or
simply when it's time for service.



The Value of Data...

Computer hard drives are becoming larger and cheaper. Cellular networks are becoming more and more accessible. Internet connections are capable of transferring millions of bits of information per second.

To be a leader in the information age, large amounts of data must be harvested routinely. With billions of machines to be connected, organizations are rallying themselves around the value of data. With the proactive iConn platform, we are taken on a journey into the world of real-time data.

...Is Knowing How to **Use It**



In this day and age, collecting and storing data is the easy part. This data gives you the peace-of-mind and knowledge needed to ensure smarter and more efficient production. Our cloud-based approach makes your data accessible from anywhere, at any time.

The key to iConn is what happens to the data after it is captured.

Transitioning from reactive to **proactive**, delivering exceptional customer service.



Receive Real-time Email/Text Notifications -

When machine fault codes occur on the machines controller. Data is continuously analyzed by the iConn system. If any exceptions show up in the data, you and your Gardner Denver distributor will be immediately notified.



Receive Machine Performance Insights - Continuous data analysis on collected data to identify predictive and prescriptive performance improvement opportunities to meet air production needs. Instead of simply showing page after page of raw data, iConn will consolidate and trend your data. Visual cues quickly give you a snapshot of your compressor's health.

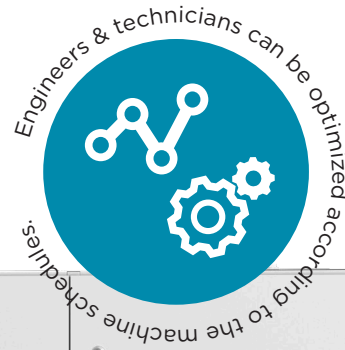


Preventative Maintenance Reminders -

Keep the machine in an optimal performance state and protect your machine's warranty. Critical equipment-protecting maintenance items are monitored. As these components near the end of their life, alerts are dispatched to ensure maximum efficiency and lifespan of the compressor.

Peace-of-Mind Protection & Smarter Performance

Each and every part that goes into a Gardner Denver compressor is tested and approved by our world-class engineering team. However, just like all mechanical equipment, failures can occur. These failures can result in an air compressor being taken off-line for maintenance and be very disruptive for an organization. A disruption that can lead to lost productivity.



The Gardner Denver iConn platform **mitigates risk** and allows you to continuously monitor your compressed air equipment.



Optimizing Your System

The design objective of any compressed air system is to provide the needed resources at the lowest possible costs. This not only includes selecting the correct compressor for the application, but understanding how the equipment performs once it's installed and making adjustments if necessary.

Gardner Denver's secure, cloud-based iConn platform not only gives you the peace-of-mind and knowledge to ensure smarter and more efficient production, but tangible benefits that go directly to your bottom line.

Efficiency

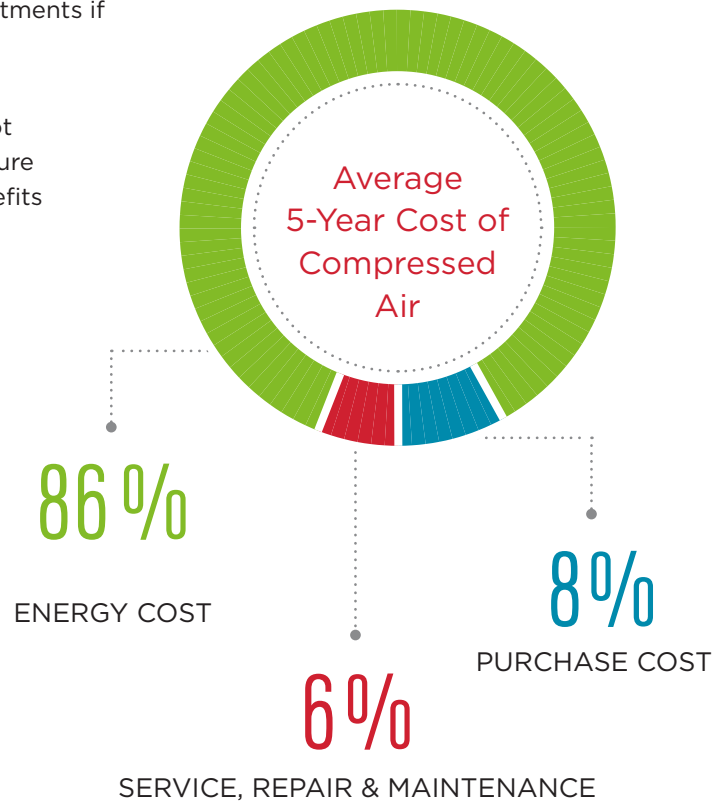
Energy consumption makes up about 86% of the cost of purchasing and running an air compressor for the initial 5 years. Using the right parts and getting them replaced at the right time prevents energy waste in producing the amount of compressed air needed by your operation. Dirty and inferior filters tend to increase the pressure drop, and energy across your compressed air system.

Longevity

In addition to efficiency, dirty and inferior filters and separators are a huge factor in reducing the life expectancy of your air compressor. Dirty filters and separators allow more contaminants into your air compressor. Once those contaminants reach the vital air compressor components, the result can be anything from polluted, shorter-life lubricant to a total airend replacement.

Planned Downtime vs. Unplanned Downtime

An air compressor being taken off-line for maintenance can be very disruptive for an organization. A disruption that can lead to lost productivity. By utilizing the information provided to your operation by the iConn system, you take control of your downtime.



iConn Retrofit Kits

Most Gardner Denver compressors will come standard with iConn, but what about machines that are already installed in the field? For those units, Gardner Denver has developed a line of retrofit kits.

These kits come with the main iConn box with modem, communication cables, installation hardware, RS485 port (where applicable) and communication module (where applicable) needed for your controller. These kits can be ordered by the part numbers listed at right. The charts will help you figure out the iConn retrofit kit(s) needed for your compressor(s).

ICONN RETROFIT KIT

CONTROLLER	INCLUDES 3-PORT RS485 MODULE*	INCLUDES COMM MODULE**	PART NUMBER
Airsmart G2 Delcos Pro Delcos 3100 ES+ GD Pilot Hydrovane Pro Pilot Qmaster Scroll Deluxe HMI			332AUX6028
GD Pilot TS	YES		333AUX6028
	NO		332AUX6028
Delcos XL	YES		333AUX6028
	NO		332AUX6028
Airsmart		YES	334AUX6028
		NO	332AUX6028

OTHER ICONN KITS & ACCESSORIES

DESCRIPTION	PART NUMBER
iConn Antennae Extension Kit (includes extension cable, mounting bracket & hardware)	ZS1219525
AirSmart Communication Module	301ETK1173
RS485 Connector	ZS1075506
Communication Cable for GD Pilot TS, Delcos XL, GD Pilot, Delcos Pro, Delcos 3100, hydrovane Pro & AirSmart G2	308AUX6028
Communication Cable for ES+ & AirSmart	306AUX6028
Communication Cable for Q-master & Scroll Deluxe HMI	307AUX6028

*The iConn modem will use the only RS485 port on the GD Pilot TS and Delcos XL. If you need an open port, add this option.

**If the AirSmart controller did not ship from the factory with the optional comm module, you will need to add this option to allow the iConn modem to communicate with the controller.



Sales & Service **Distributors** Across America

An Extensive Network

By leveraging the extensive network of Gardner Denver factory-trained authorized local distributors, your sales, service, and technical support needs can be handled quickly and easily.



The leader in every market we serve
by continuously improving all business processes
with a focus on innovation and velocity

Gardner

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