

Oil-Flooded Rotary Screw Compressed Air Systems

22-45 kW



YOUR TRUSTED PARTNER IN COMPRESSED AIR

Staying ahead of your competition with advanced compressed air systems and services that boost productivity, lower operating expenses and extend equipment life is critical to your success.

No matter the industry or application, you can count on Ingersoll Rand® as a trusted partner for oil-flooded compressed air technologies and services. By focusing on you and your business, we provide collaborative solutions that make you successful, offering a total systems approach to maximise efficiency and performance.

Take a Systems Approach

Delivering reliable compressed air to your facility goes well beyond the compressor itself. Optimise total cost of ownership (TCO) through a systems approach that employs the best air compression technologies to deliver reliability for life—from design to decommissioning.

Your business will benefit from Ingersoll Rand's partnership through our extensive experience and global expertise to ensure reliability, lower maintenance costs, ease of serviceability and system optimisation.



Let's Get Started Together

Throughout the entire lifecycle, our systems approach helps you achieve the lowest operating cost.



WHY CHOOSE A WORLD-CLASS ROTARY SCREW COMPRESSED AIR SYSTEM?

You need a reliable, cost-effective solution with industry-leading energy efficiency, all backed by a global network of experts. Ingersoll Rand delivers the equipment and services your business demands.

For Efficiency and Air Flow

Advanced airend and drive component design provide world-class specific power and best-in-class air flow, resulting in reduced energy use.

For Reliability

Every component in our oil-flooded compressor system supports maximum reliability for increased productivity, longer equipment life, lower operating costs and higher profitability.

Built to Work in Virtually Any Environment

Our oil-flooded compressors operate both indoors and outdoors at extreme ambient temperatures. A compact footprint provides space saving convenience.

For Lower Cost of Ownership

Intuitive microprocessor controls, easy serviceability and long-life consumables significantly reduce operating, maintenance and service costs over the lifetime of your compressed air system



Rotary Oil-Free Compressors Designed for Your Application



Manufacturing



Metal Working



Craft Brewing



Woodworking



Vehicle Services



Paint Shops

Air compressor use accounts for a significant part of your energy costs. Our design team used advanced computer modeling techniques to create rotary screw compressors that maximise efficiency and airflow, while operating reliably to improve your company's bottom line.



All Air Isn't Equal

Next Generation RSe-Series air compressors help eliminate waste and control costs to lower your total cost of ownership.

[See Our Entire Portfolio of Oil-flooded Compressors](#)

What Makes Our Rotary Screw Compressors Unique?

Optimised Drive Components



Advanced, integrated airends combined with high-performance motors ensure a reliable supply of high-quality air and maximum performance.

Intuitive Connectivity



Xe-Pro Series Controllers deliver enhanced control and functionality through an intuitive user interface as well as remote access with any common, current web browser.

Simple and Serviceable



Smart design elements, including an integrated airend, reduced connections and piping, and a sound attenuating enclosure reduce footprint and simplify maintenance.

Robust Components



Durable parts such as the auto-tensioning, non-stretching poly-v belt, robust hoses and pipe connections, and an innovative separator design deliver reliability for life.

High-efficiency Options (over 30 kW)



Choose premium-sized airends that provides 8% energy savings, and heat recovery units that re-use up to 80% of the total energy consumed.

Intelligent Uptime

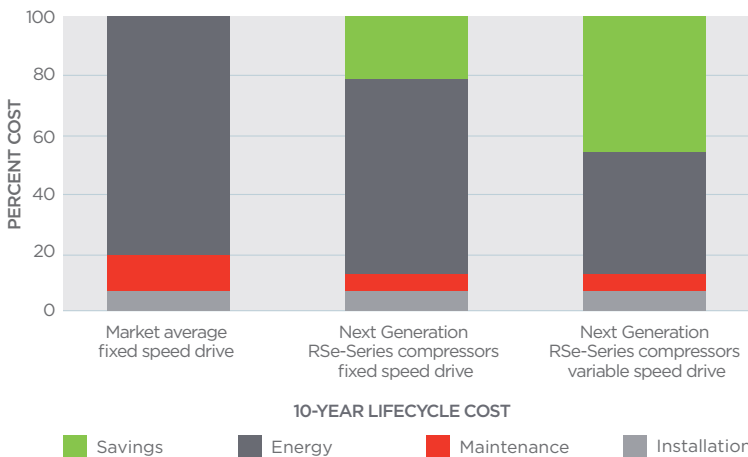


Helix™ Connected Platform gives you real-time insights and data to keep your compressor operating at peak performance while ensuring uptime.

Next Generation RSe-Series Rotary Screw Air Compressors, 22-45 kW

World-Class Efficiency

At the heart of each Next Generation RSe-Series compressor is a state-of-the-art, integrated airend. The innovative design includes an oil filter, integrated intake valve and thermostatic valve that reduces external hoses to a minimum, ensuring a dependable supply of high-quality air. Highly reliable drive components and low rotational airend speeds also lower maintenance costs. For models 30 kW and higher, choose larger, most efficient airend to achieve up to an additional 8% energy savings.



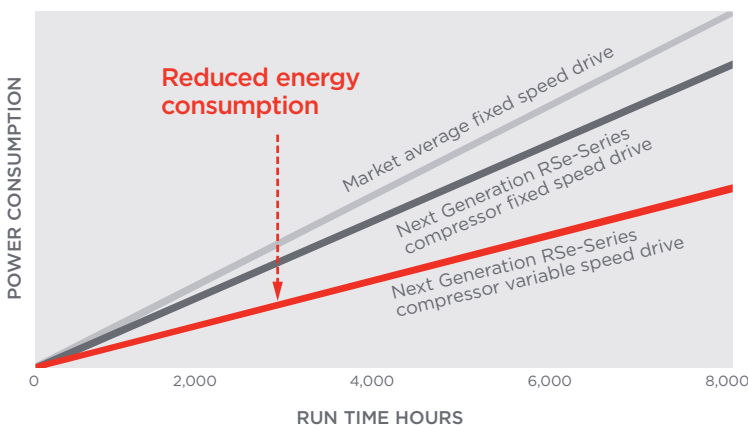
Lower Your Total Cost of Ownership

With improved efficiency and more airflow, our Next Generation RSe-Series compressors significantly reduce energy use, lowering your lifecycle cost



The Variable Speed Advantage

Our optional variable speed drive (VSD) can help you save even more, since these compressors match actual air demand perfectly, deliver higher efficiency and lowering energy costs.



Driving Toward Next Generation Efficiency

Every Next Generation RSe-Series compressor features an advanced airend and IP55 Premium motor that reduces energy consumption and can match changing air demand in any installation. VSD compressors feature power drive systems that exceed IES2 efficiency standards, offering additional energy savings.

Reliability and Control You Can Count On

The Xe-Pro SE Series control system ensures reliable operation and protects your investment by continuously monitoring operational parameters. It includes programmable inputs and outputs, can control additional equipment and provides a variety of critical features.

Stay connected with the Xe-Pro 180 using the easy-to-use touch screen display or via remote access from a web browser or smartphone. Real-time monitoring, diagnostics, trending and analysis will always keep you in total control.



The Xe-Pro Series controller provides real-time monitoring and diagnostics capabilities.



Deep Insights for Dependability

Developed to give you essential visibility into day-to-day operational intelligence that maximises your uptime and peace of mind, the Helix™ Connected Platform from Ingersoll Rand offers real-time data monitoring for your compressed air system. This data gives you a clear view into the functionality and health of your compressor, and is easily accessible around-the-clock from your PC, tablet or smartphone.

Learn more about Helix™ Connectivity

The Next Generation Advantage

Compare the innovative compressor technology of the Next Generation RSe-Series with other rotary screw compressors, and the advantages are clear.

	Next Generation RSe-Series Air Compressors	Other Compressors
<p>Energy Efficiency</p>	<p>State-of-the art airends provide uncompromising energy efficiency</p>	<p>Airends operate at higher speed to achieve higher flow output at the expense of earlier mechanical wear</p> <p>Lower energy efficiency results in higher operating expenses</p>
<p>Low Maintenance</p>	<p>Simple and serviceable design provides easy access to internal parts</p> <p>Long-life consumables reduce operating, maintenance and service costs over the compressor's life</p>	<p>Non-integrated airend design requires additional hoses and moving parts, increasing maintenance costs</p> <p>Using inferior consumables causes more frequent maintenance</p>
<p>Reliability</p>	<p>Integrated airend reduces footprint and the number of hoses and other parts subject to wear and tear</p> <p>Innovative oil separator delivers oil carryover of less than 3 ppm</p>	<p>Increased wearable parts result in more machine downtime</p> <p>Potential for greater oil carryover to foul the compression process</p>

Innovative Design, Flexible Choices

Our rotary screw compressor systems provide flexible equipment choices, as well as advanced solutions that ensure reliable flow—even in extreme operating environments. This includes a broad range of fixed and variable speed options that provides high-quality compressed air, lower energy use and reliable, long-life operation.

See Our Entire Portfolio of Oil-flooded Compressors



Optimise Your Demand

Choose from optimised airends and drives to achieve the exact level of performance and economy your operation and budget require.



- i Fixed Speed for Constant Demand:** compressors featuring the reliable and efficient IE3 TEFC induction motor
- n Variable Speed for Variable Demand:** VSD compressors with the highest efficiency motor available
- ie Premium Efficiency Fixed Speed:** Constant demand compressors with the continuous duty IE3 TEFC induction motor and enhanced features for improved performance and efficiency
- ne Premium Efficiency Variable Speed:** VSD compressors with enhanced features for improved performance and efficiency

Ingersoll Rand Oil-Flooded Specifications			
Model	Nominal Power kW	Max Pressure barg	Capacity (FAD) @ 7 barg m ³ /min
RSe23--29i Fixed Speed	22-30	5-13	4.1-5.5
RSe23n-29n Variable Speed	22-30	5-13	0.9-3.8
RSe30i-45i Fixed Speed	30-45	5-13	4.27-8.05
RSe30ie-45ie Fixed Speed Premium	30-45	5-10	5.17-8.70
RSe30n-45n Variable Speed Premium	30-45	5-13	1.40-8.02
RSe37ne-45ne variable Speed Premium	37-45	5-10	2.4-8.7

Moisture and contamination in compressed air cause significant problems in equipment operation, like rust, scale and clogged orifices resulting in product damage or costly shutdowns. Making our air treatment equipment an integral component of your compressed air system will improve productivity, system efficiency and product or process quality.



Cost-Effective Operation

Choose refrigerated dryers for lower capital, operating and maintenance costs for many industrial applications.

Refrigerated Dryers

Our cost-effective refrigerated dryers provide clean, dry air for most industrial applications. Choose efficient cycling dryers to maximise energy savings or non-cycling dryers for a lower initial cost.

Refrigerated Dryer Features

- Dew points as low as 3°C (38°F), meeting Class 4 requirements
- Corrosion-free heat exchanger
- Intuitive microprocessor control for easy operation
- Compact design for easy serviceability




F-Series In-Line Filters

F-Series advanced compressed air filters reduce contamination in your air stream to help protect critical processes and valuable equipment. Rigorously tested and engineered with superior components, F-Series filters will provide years of reliable performance and consistently high-quality air.

F-Series Features

- Patented dual indicator displays accurate pressure drop data
- Rugged aluminum design suitable for 80°C (176°F), 250 psig/17.2 barg applications
- Reliable filter element withstands high pressure and minimises flow restriction
- Ergonomic bowl design with no-touch filter simplifies element replacement
- Proprietary media coating technology protects against corrosion



Minimise Contamination

F-Series filters will protect critical processes and valuable equipment by providing high-quality air.



MAINTENANCE SERVICES

Ensure reliability for the life of your compressed air equipment with our comprehensive maintenance programs. At Ingersoll Rand, we have one goal—to earn the right to be your trusted partner.



The CARE Service Program Advantage

Compressed air is critical to your operation. A proper maintenance strategy is crucial to avoiding unplanned, unbudgeted downtime and production interruptions. By choosing an Ingersoll Rand CARE service program, you are investing in your future with a trusted partner.

Depending on your rotary screw compressor system maintenance requirements, choose from one of these two programs. Each program includes genuine OEM parts that eliminate inferior performance caused by generic parts that will cost you more in the long run.

 Choose the Right Maintenance Program for You

PlannedCARE™ Comprehensive Parts and Service Coverage

- Predictable, on-time planned maintenance
- Preventative diagnostics to catch potential problems
- Up to 5-year coverage on major airend components in new centrifugal compressors



PartsCARE™ Genuine OEM Parts Coverage

- Parts delivered at an agreed upon price
- Pre-established inventory to reduce lead time
- Four additional years of coverage on airend



Start-Up & Maintenance Kits

Our start-up kits provide the parts and protection you need for the first year. And by using genuine OEM parts, you also receive the assurance that your air compressor will consistently perform at an optimal level.

Our OEM annual maintenance kit is an integral part of factory-recommended annual maintenance. These kits include the major consumable components replaced each year.

 See All of Our Genuine OEM Parts and Accessories

A compressed air system is a significant investment. You expect consistently reliable, clean, dry air at the lowest possible operating cost. Choose our genuine parts and accessories to ensure that your compressor is running efficiently and productively.

Rotary Compressor Lubricants

Synthetic lubricants are better for the environment, last longer, are less expensive and are less prone to contamination and varnishing. Our family of synthetic lubricants are specifically designed to help rotary screw compressors maintain peak performance.

Rotors with Ingersoll Rand lubricant



Rotors with conventional lubricant



 See which Lubricant is Right for Your Compressor

Lower Maintenance Cost with Our Ultra Family

Synthetic lubricants are better for the environment, last longer, are less expensive and are less prone to contamination. Our synthetic Ultra lubricant family is specifically designed to help rotary screw compressors maintain peak performance.



Ultra EL

- Up to 16,000 hours run time
- Lower total cost of ownership, reduced waste
- Increases compressor efficiency
- High flash point for enhanced safety



Ultra Coolant

- Up to 8,000 hours run time
- Lower total cost of ownership, reduced waste
- Environmentally friendly



Ultra FG

Food Grade Lubricant

- 8,000+ hours run time, longest FG on market
- Reduces contaminant threat
- Excellent stability and detergent action



OIL-FLOODED PARTS AND ACCESSORIES



Heavy-Duty No-Loss Drains

The most reliable, durable and energy-efficient way to remove condensate from air compressor systems.



Oil Water Separators

Efficient PolySep oil water separators easily separate and permanently absorb virtually all lubricants.



SimplAir® Piping System

Our durable aluminum piping system is your cost-effective alternative for air, inert gas and vacuum lines.



OEM Replacement Parts

Get the exact genuine OEM parts you need, when you need them, from our locations around the world.



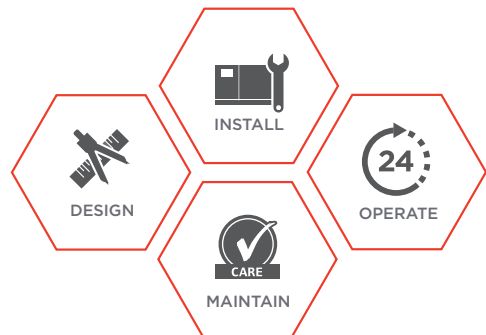
Air System Accessories

Everything you need to deliver clean, dry air from the compressor to point of use.

See All of Our Genuine OEM Parts and Accessories

Reliable Compressed Air from Start to Finish

Maximise your total cost of ownership with Ingersoll Rand's extensive knowledge of compressor technologies, services, parts and accessories—we are your trusted partner in compressed air systems.





About Ingersoll Rand Inc.

Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit www.IRCO.com.

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