

Oil-Flooded Rotary Screw Compressed Air Systems

200-355 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 system 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.

 Ingersoll Rand Contracting Services Video

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. That's what you get with our Next Generation R-Series oil-flooded rotary screw air compressors.

For Efficiency and Air Flow

Advanced airend and drive component design provide world-class specific power and improved 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.

For Virtually Any Environment

Our oil-flooded compressors have flexible standard and optional design features that allow operation both indoors and outdoors at extreme ambient temperatures ranging from -10°C to 55°C, as well as harsh environments.

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.



Utilities

Instrument air, pneumatic valves, control cylinders, fuel purging, service air



Metal Working

The power source to keep production moving quickly and on time



Mining

Reliable power for equipment and ventilation, on the surface or below ground



Manufacturing & Assembly

High-quality air for your facility, from start to finish



Automotive

Proven design to meet demanding manufacturing environments



Glass

Low and high pressure systems for furnaces, packaging, palletizing and shipping

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 R-Series air compressors eliminate waste and control costs effortlessly to lower total cost of ownership.

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

What Makes Our Rotary Screw Compressors Unique?

Optimised Drive Components



World-class single- and two-stage airends, along with fixed or variable speed motors minimise energy use.

Flexible Design Options



Air-cooled and water-cooled configurations, extreme ambient temperature options and dust filtration to match your application.

Leak-free Designs



Robust hoses, pipe connections, O-rings and seals ensure reliability and reduce the opportunity for leaks.

Intuitive Control



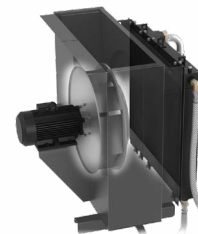
Xe-Series controllers deliver increased control and functionality through an intuitive user interface as well as remote access.

Adaptive Monitoring



Progressive Adaptive Control (PAC™) monitors key operating parameters and continuously adapts to prevent unexpected downtime.

Advanced Cooling



A free-floating cooling system allows heat exchangers to expand and contract, reducing thermal stress for improved system durability.

Next Generation Rotary Screw Air Compressors, 200-355 kW

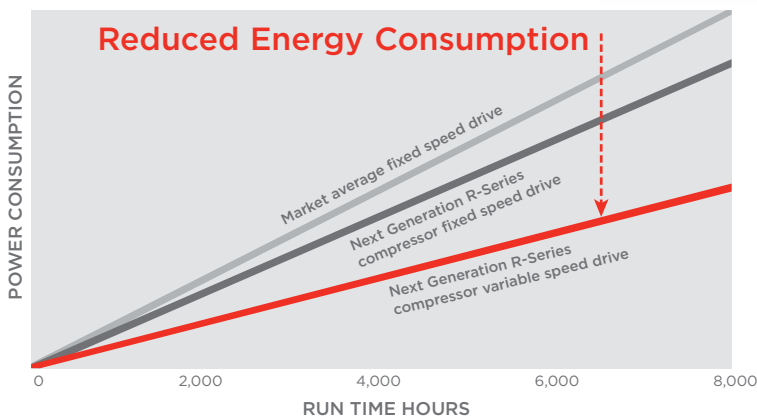
World-Class Efficiency

Ingersoll Rand Next Generation R-Series compressors include state-of-the-art airends, making them your best choice for performance. Our airends are designed and manufactured in-house and improve efficiency through several advancements, including optimised rotor profiles to help minimise operating expenses.

Our rotor profile also provides improved airflow. With more airflow for the same power input, your compressor requirements are smaller, reducing both investment costs and energy usage. Improve performance even more with our optional two-stage airend for increased flow capacity and efficiency gains.



RS315ie COMPRESSOR

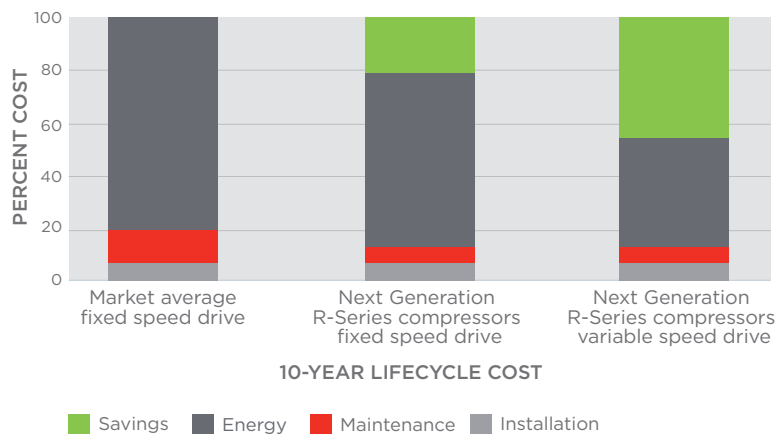


Driving Toward Next Generation Efficiency

Every Next Generation R-Series compressor features an advanced airend and IE3 motor (or optional IE4 premium motor) that reduces total cost of ownership.

Lower Your Total Cost of Ownership

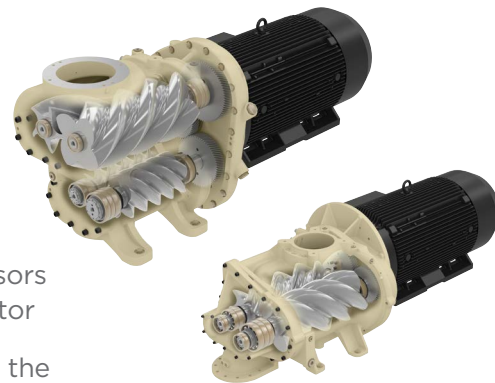
With improved efficiency and more airflow, our Next Generation R-Series compressors significantly reduce energy use, lowering your lifecycle cost.



AIR COMPRESSORS

Optimise Your Demand

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



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

Built to Work in Virtually Any Environment

Next Generation R-Series compressors feature an advanced motor built to operate at extreme ambient temperatures. A variety of options are available to operate reliably in harsh conditions.

Extreme Environment Options	i	ie	n	ne
▶ Outdoor modification/rain protection	•	•		
▶ Low ambient temperature protection to -23°C	•	•		
▶ High ambient rating up to 55°C	•	•		
▶ Premium high dust filtration	•	•		
▶ Harsh water cooling system (water-cooled only)	•	•	•	•
▶ Seawater cooling system (water-cooled only)	•	•	•	•

Model	Working pressure barg	Nominal power kW	Capacity (FAD) ¹ cfm	Dimensions (L x W x H) mm	Weight kg
i Standard 50 Hz Performance					
RS200i-250i	7.0 - 10.0	200 - 250	1466-1519	3752 x 2150 x 2504	6205 - 6380
RS315i-355i		315 - 355	2225-2214	5000 x 2150 x 2505	8300
ie Standard 50 Hz Performance					
RS200ie-250ie	7.0 - 14.0	200 - 250	1540-1370	4320 x 2150 x 2504	7480 - 7655
RS315ie 355ie		315 - 355	2295-1836	5000 x 2150 x 2505	8760
Model	Working pressure bar	Nominal power kW	Capacity (FAD) ^{1,2} cfm	Dimensions (L x W x H) mm	Weight kg
n Standard 50 Hz Performance					
RS200n-250n	4.5 - 10.0	200 - 250	597-1737	3752 x 2150 x 2504	6841 - 7161
RS315n 355n		315 - 355	621-2407	5000 x 2150 x 2505	8404
ne Standard 50 Hz Performance					
RS200ne-250ne	4.5 - 10.0	200 - 250	664-1876	4320 x 2150 x 2504	8116 - 8436
RS315ne-355ne		315 - 355	646-2473	5000 x 2150 x 2505	9360

1. FAD (Free Air Delivery) is full package performance including all losses, tested per ISO 1217:2009 Annex C
 2. Flow rates shown are at 7 barg rated conditions and vary with pressure settings. above 7 barg

AIR TREATMENT

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.

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

- Smaller footprint to simplify installation and free up floorspace
- Complete ISO Class 2-4-3 protection provides the reliability you need
- 47% lower GWP and over 45% less charge reduces carbon footprint
- Large capacity heat exchanger reduces energy costs by as much as 58%



**DRAMATICALLY REDUCED
CARBON FOOTPRINT**

Cost-Effective Operation

Choose refrigerated dryers for lower capital, operating and maintenance costs for a variety of industrial applications.

Maximum Performance

Use desiccant dryers when your application demands low dew points and the highest air quality.

Desiccant Dryers

Choose desiccant dryers when very low dew points are necessary for high-quality air and to prevent potential freeze-up. Depending on whether you require lower initial capital costs, or lower energy use, choose from heatless or heat blower desiccant models.

Desiccant Dryer Features

- Delivers reliable -40°C (-70°C option available) pressure dew point in most operating conditions
- High-strength desiccant and durable valves
- Low pressure drop design saves energy
- Advanced microprocessor control is easy to use and maximises uptime

Find the Right Dryer for Your Application



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 oil-flooded compressor system maintenance requirements, choose from one of these programs:

 Choose the Right Maintenance Program for You



- Greatest value
- Equipment risk transfer
- Up to 10 years
- Scheduled maintenance and all repairs
- No production interruptions



- All planned maintenance
- Predictable, on-time
- Preventative diagnostics
- Up to 10-year coverage on airend components



- Genuine OEM parts at an agreed-to price
- Planned parts inventory
- Experienced support
- Up to 5-year coverage on airend

IT ALL ADDS UP TO PEACE OF MIND



Lower Cost of Ownership

Our service programs provide the most cost-effective solutions based on your customised maintenance strategy.

Quality Results

Ingersoll Rand factory-trained service technicians are backed by more than 145 years of industry experience.

Increased Uptime

Service programs help decrease unplanned downtime and costly production interruptions.

Efficient Energy Use

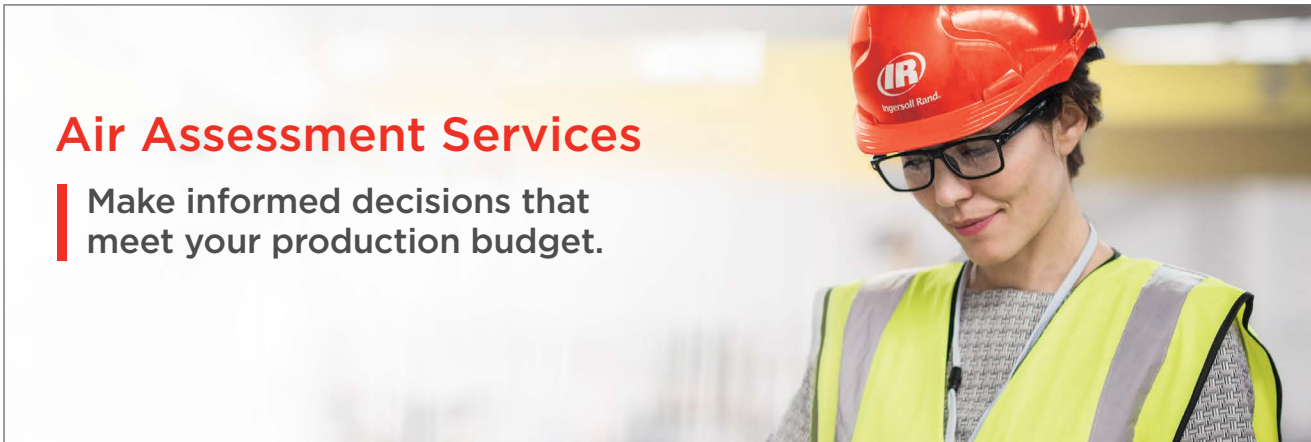
Peak system efficiency is achieved through properly performed maintenance and inspection.

Peace of Mind

Our world-class services will help you achieve the results you need, while you focus on what's important to your business.

AIR ASSESSMENT SERVICES

Ingersoll Rand Performance Services delivers real Return on Inspection: Detailed data and actionable insights that can transform your compressed air system's performance. Whether your goal is to boost productivity, decrease waste, optimize efficiency or plan for the future, our air assessment services makes it easy to keep things optimised and your profitability maximised.



Air Assessment Services

Make informed decisions that meet your production budget.

Our Core Services Include:

Electronic Assessment



- Gain valuable information about compressor performance
- Understand your energy consumption and true flow production
- Optimised services for your specific operation that are structured to lower electricity consumption
- Monitor and evaluate variable events throughout the production day
- Determine if changes are required, and receive solid recommendations based on current air consumption requirements

Air Leak Assessment



- Identify air leaks in your compressed air system, prioritized in order of severity
- Receive accurate flow rate scoring for objective measurement
- Identify areas of opportunity in the compressed air system
- See cost and projected ROI for any required repairs

System Assessment



- Analyze your system's response to production requirements
- Assess the system's true production efficiency
- Receive recommendations for cost savings, reliability, and productivity based on ROI
- Plan for current and future expenses and events





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.

Ultra Lubricants

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

 See which Lubricant is Right for Your Compressor



SimplAir® Easy Pipe Line (EPL) System

Typical steel distribution systems can be costly and labor intensive. Our SimplAir piping system is your cost-effective alternative for air, inert gas and vacuum lines. Durable marine-grade aluminum piping and a large range of “quick-connect” fittings, enable fast, easy installation, lowering installation costs.

 Learn How SimplAir Lowers Your Cost of Ownership



Systems Automation and Control

As much as 20% to 60% of the energy used to operate compressed air systems is wasted. From inline flow controllers to fully integrated system automation, our control solutions deliver reliable critical system access to lower energy costs.

 See Our Automation and Control Solutions



In-Line Filters

Our advanced compressed air filters reduce contamination in your air stream to help protect finished goods, critical processes and valuable equipment.



Condensation Management

No-loss electronic and pneumatic drains and oil water separators are the most reliable, durable and energy-efficient way to remove condensate from air compressors and system components.



Installation Solutions

From receiver tanks to couplings, our installation solutions offer everything you need to reliably deliver clean, dry air from the compressor to your point of use.



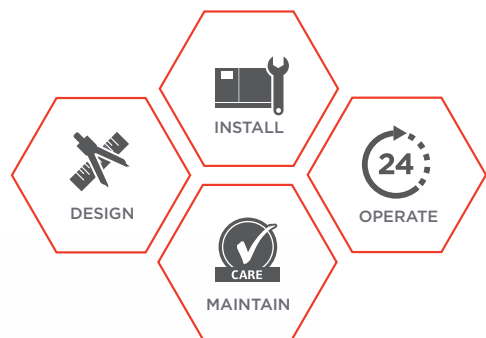
OEM Replacement Parts

We have the exact genuine OEM parts you need—from a replacement rotor to a missing bolt—with extensive inventories maintained in strategic locations around the world.

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.**





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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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