



OIL-FLOODED

Rotary Screw
Compressed Air Systems

250–500 hp

185–375 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.

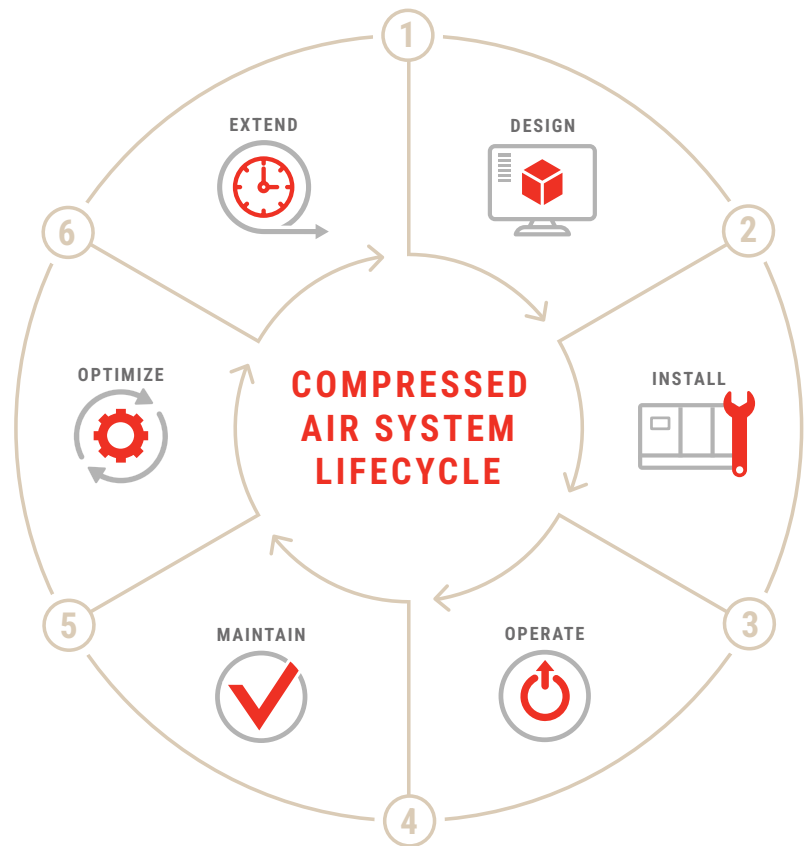
No matter the industry or application, you can count on Ingersoll Rand® as a trusted partner for oil-flooded compressed air technologies and services. By focusing on you and your business, we provide collaborative solutions that make you successful, offering a total system approach to maximize efficiency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



More than Compressors, We Take a Systems Approach

Delivering reliable compressed air to your facility goes well beyond the compressor itself. Optimize 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 optimization.



Let's Get Started... Together

 Watch the 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 airod 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.

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 in 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.



Rotary Oil-Flooded Compressors Designed for Your Application





All Air Isn't Created Equal

Next Generation R-Series air compressors eliminate waste and control costs effortlessly to lower total cost of ownership. Here's what makes our Next Generation R-Series compressors unique.

 See Our Entire Portfolio of Oil-Flooded Products

Optimized Drive Components



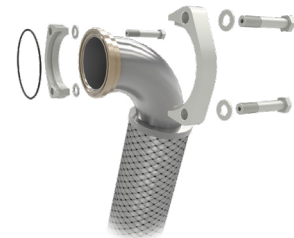
World-class single and two-stage airends, along with fixed or variable speed induction motors minimize energy use.

Flexible Design Options



Air-cooled and water-cooled configurations, extreme ambient temperature options, high dust filtration and outdoor modifications for harsh environments to match any application.

Leak-free Designs



V-Shield™ technology provides a totally integrated, leak-free design, featuring PTFE stainless steel braided oil hoses and O-ring face seals.

Intuitive Control



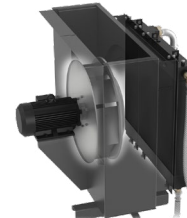
XS controllers deliver increased control and functionality through an intuitive user interface, as well as remote access with any common, current web browser.

Adaptive Monitoring



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

Advanced Cooling Systems



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 250–500 hp (185–375 kW)

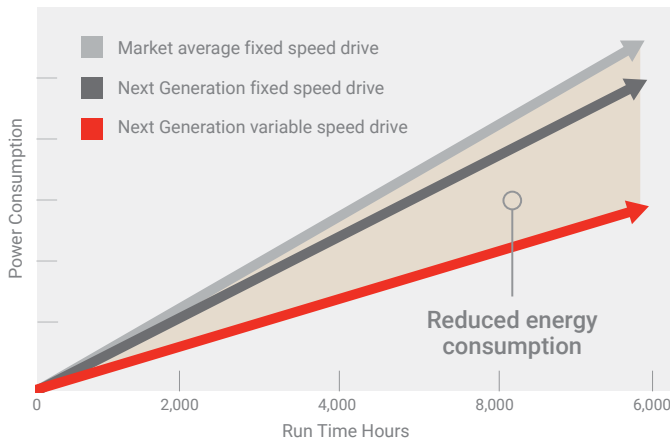
World-Class Efficiency

Our Next Generation R-Series compressor includes an all-new, state-of-the-art airend, making it your best choice for performance. The new airend improves efficiency through several advancements, including an optimized rotor profile to help minimize operating expenses.

The new rotor profile also provides world-class 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.

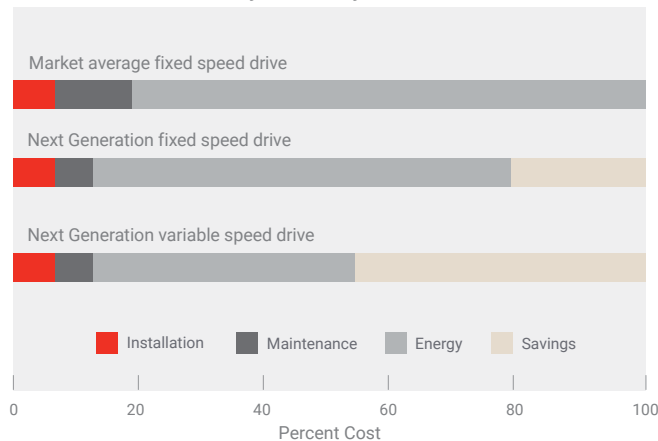


Next Generation Efficiency



Increase Efficiency & Lower Your Costs

10-year Life Cycle Cost

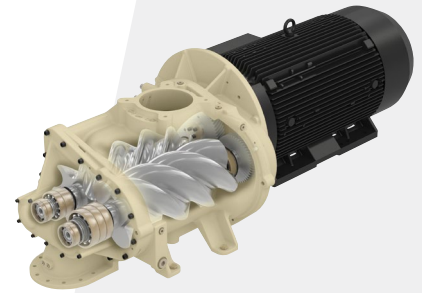
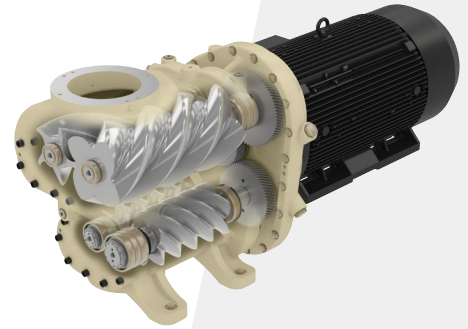




Innovative Design, Flexible Choices

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

- i** **Efficiency for Constant Demand:** Fixed speed compressors featuring the 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 design 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)	•	•	•	•

*Available with remote variable frequency drive

Next Generation R-Series – 60 Hz Performance			
Model	Nominal power kW (hp)	Max pressure barg (psig)	Capacity (FAD) m ³ /min (cfm)
RS185i-260i fixed speed	185-260 (250-350)	7.5-10.0 (110-145)	34.3-48.2 (1,211-1,702)
RS185ie-375ie fixed speed premium	185-375 (250-500)	7.5-14.0 (110-200)	30.1-70.5 (1,063-2,488)
RS200n-250n variable speed	200-250 (268-335)	7.0-10.0 (100-145)	16.8-49.6 (593-1,752)
RS200ne-355ne variable speed premium	200-355 (268-475)	7.0-10.0 (100-145)	18.3-70.5 (646-2,490)



Refrigerated Dryers

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

Refrigerated Dryer Features

- Dew points as low as 3°C, meeting Class 4 requirements
- Proprietary heat exchanger designed by Ingersoll Rand for maximum efficiency
- Intuitive microprocessor control for easy operation
- Compact design for easy serviceability

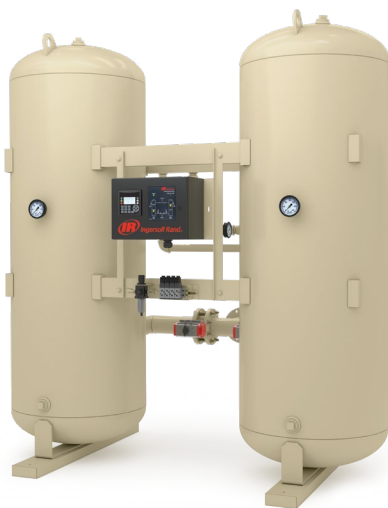


Find the Right Dryer for Your Application



Cost-Effective Operation

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



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, externally heated or heat blower desiccant models.

Desiccant Dryer Features

- Delivers reliable -40°C 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 maximizes uptime

Maximum Performance

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










CARE SERVICES PROGRAM

Maintenance Program Advantages

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 compressor maintenance agreement, you are investing in your future with a trusted partner.

Depending on your compressor system, we can customize a service program that best fits your needs. Our suite of CARE maintenance programs range from total risk transfer of your equipment (to Ingersoll Rand) to a more basic program for parts and services only, providing flexible solutions for the life of your compressed air system.

	Preferred OEM Parts Pricing	Equipment Inspection & Diagnostics	Scheduled Maintenance Service	Operational Risk Transfer
 Package CARE™ A fixed cost, no surprises service agreement designed to eliminate the inconvenience associated with maintaining and servicing your compressed air system.				
 Planned CARE™ A cost-effective plan for scheduling and executing all required compressed air equipment services over the course of a year.				
 Parts CARE™ A service program that includes automated shipments of, or reminders to, deliver OEM parts at an agreed upon price, to keep the compressor operating as efficiently as possible.				

 Find the Best CARE Plan for You

On-board IoT Platform

Developed to give you essential visibility into day-to-day operational intelligence that maximizes your uptime and peace of mind, the on-board IoT platform offers real-time data monitoring for your compressed air system.

Advanced sensor technology sends data on a regular basis to our cloud-based platform for a clear view into the functionality and health of your compressor and is easily accessible around-the-clock from your PC, tablet or smartphone. With a range of connectivity service offerings available, monitoring can be tailored to meet your specific operational needs.


- Deep insights for detailed analysis of equipment performance
- Diagnostic reporting to keep your compressor operating at peak performance and reduce downtime
- Continuous real-time operating data available anytime, anywhere
- Maintenance notifications that help ensure reliability and extend equipment life



PERFORMANCE SERVICES

Our Performance Services assessment tools help track systems performance, increase system efficiency, improve production and reduce waste.

- Electronic Assessment
- Air Leak Assessment
- System Assessment
- Air Quality Testing

 [Learn About the Health of Your Air System](#)

RENTAL SERVICES

Minimize costly interruptions using Ingersoll Rand's comprehensive Rental Services. You'll get a quick response, a broad line of robust products and unparalleled on-site experience that satisfies your exact requirements when you need it for emergencies or long-term planning.

 [Learn More About our Rental Services](#)



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 Coolants

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



Ultra Coolant

- Up to 8,000 hours run time
- Industry leading compressor lubricant
- Environmentally friendly

 See Which Lubricant is Right for Your Compressor



Ultra EL

- Up to 16,000 hours run time
- Increases compressor efficiency
- High flash point for enhanced safety



Ultra FG Food Grade Lubricant


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

Compressed Air Distribution and Control

SimplAir® Supertube Piping 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 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.



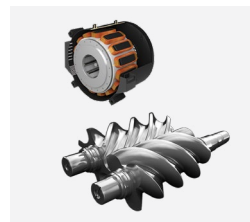
Condensation Management

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



Installation Solutions

From receiver tanks to couplings, our installation solutions offer everything you need to 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.

Reliable Compressed Air from Start to Finish

Maximize 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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