



OIL-FLOODED

Rotary Screw
Compressed Air Systems

5–200 hp

4–160 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.

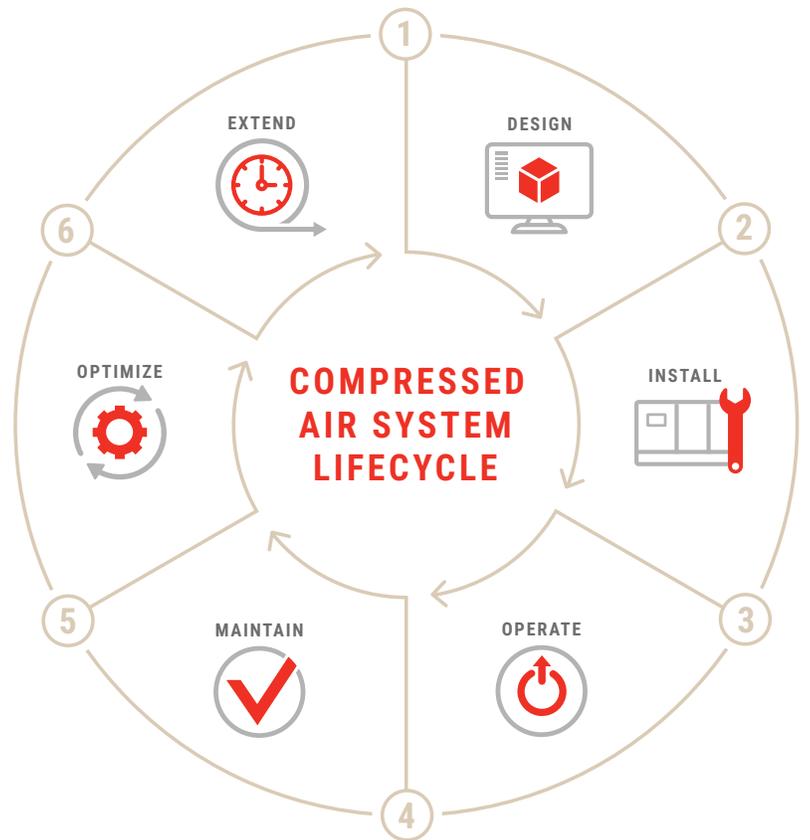
No matter the industry or application, you can count on Ingersoll Rand® as a trusted partner for oil-flooded compressed air technologies and services. By focusing on you and your business, we provide collaborative solutions that make you successful, offering a total system approach to maximize efficiency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



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.

Your business will benefit from a partnership with Ingersoll Rand 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



Proactive Maintenance and Support

A proper maintenance strategy is crucial to avoiding downtime and production interruptions. By choosing a CARE maintenance agreement, you are investing in your future with a trusted partner. We can customize a program that best fits your needs, from total risk transfer of your equipment to Ingersoll Rand to a more basic program for parts and services only.



CARE SERVICES PROGRAM

	Preferred OEM Parts Pricing	Equipment Inspection & Diagnostics	Scheduled Maintenance Service	Operational Risk Transfer
<p> Package CARE™</p> <p>A fixed cost, no surprises service agreement designed to eliminate the inconvenience associated with maintaining and servicing your compressed air system.</p>				
<p> Planned CARE™</p> <p>A cost-effective plan for scheduling and executing all required compressed air equipment services over the course of a year.</p>				
<p> Parts CARE™</p> <p>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.</p>				

 Learn About the Health of Your Air System





What Makes Next Generation Rotary Screw Compressors Unique



Optimized Drive Components

Single and two-stage airends, and a TEFC induction or optional variable speed motor minimize energy use



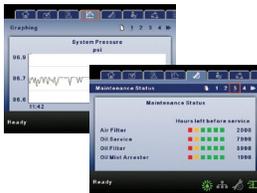
Leak-free Designs

V-Shield™ technology provides a totally integrated, leak-free design.



Intuitive Control

XS-Series controllers deliver increased control and functionality through an intuitive user interface.



Adaptive Monitoring

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



Advanced Cooling Systems

A free-floating cooling system reduces thermal stress for improved system durability.



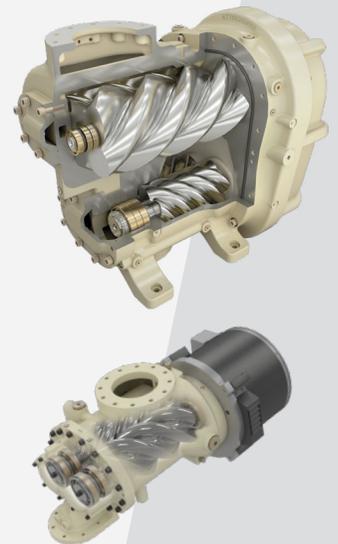
Integrated, Compact Design Options

Optional Total Air System (TAS) provides clean, dry air in a single package that reduces footprint.

Optimize Your Demand

Select the motor and airend package that achieves the exact level of performance and economy your operation and budget require.

- i** Efficiency for Constant Demand
- n** Efficiency for Variable Demand
- ie** Premium Efficiency for Constant Demand
- ne** Premium Efficiency for Variable Demand





Next Generation R-Series Rotary Screw Air Compressors, 5–200 hp

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. With more airflow for the same power input, your compressor requirements are smaller, reducing both investment costs and energy usage.



- 1 World-class airends and efficient motors minimize energy use
- 2 Easy access design lowers maintenance costs
- 3 XS-Series controller provides intuitive system management from virtually anywhere
- 4 On-board IoT-enabled platform for real-time data monitoring
- 5 Advanced cooling system reduces thermal stress, improving durability
- 6 V-Shield technology provides integrated leak-free design

OPTIONAL FEATURES

- Two-stage airends
- Total Air System (TAS) Package
- Variable Speed Drive

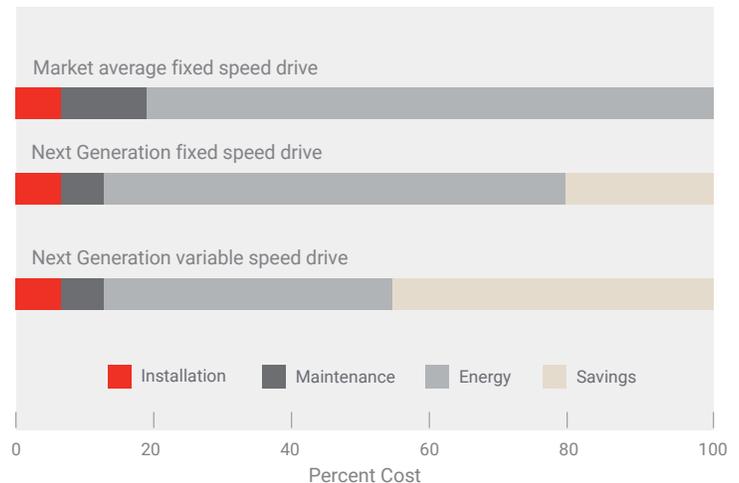


See Our Entire Portfolio of Oil-Flooded Products

Next Generation Efficiency

With world-class efficiency and airflow, our fixed and variable speed Next Generation R-Series compressors significantly reduce energy use, lower lifecycle costs.

10-year Life Cycle Cost





UP6S Rotary Screw Compressors, 5–100 hp

Exception Value, Proven Design

Offering an exceptional value without sacrificing the reliability you've come to expect from Ingersoll Rand, the UP6S Series of oil-flooded rotary screw compressors provides a complete air solution in an easy to use, easy to access compact package.



- 1 Proven airend and motor for reliable and efficient long-life operation
- 2 Fewer connections and smart integration ensure leak-free operation
- 3 Small footprint frees up valuable floor space
- 4 Smart controls and intuitive diagnostics maximize uptime
- 5 On-board IoT-enabled platform for real-time data monitoring on (75–100 hp)
- 6 Whisper quiet operation for installation closer to point-of-use
- 7 Total Air System (TAS) package

OPTIONAL FEATURES

- Total Air System (TAS) Package
- Variable Speed Drive (75–100 hp)



See Our Entire Portfolio of Oil-Flooded Products

Compact Reliability
For Your
Application





Model Specifications

Next Generation R-Series – 60 Hz Performance

Model	Drive	Nominal power hp (kW)	Max pressure psig (barg)	Capacity (FAD) cfm (m³/min)
RSa 4i-11ix	fixed speed	5-15 (4-11)	110-200 (7.6-13.8)	23.5-60.0 (0.67-1.7)
RSa 5.5n-11n	VSD	5-15 (4-11)	110-200 (7.6-13.8)	32-61.5 (0.9-1.74)
RSa 11i-22i	fixed speed	15-30 (11-22)	110-200 (7.6-13.8)	55-126 (1.55-3.57)
RS 15ie-22ie	fixed speed premium	20-30 (15-22)	110-200 (7.6-13.8)	63-144 (1.78-4.08)
RSa 15n-22n	VSD	20-30 (15-22)	100-145 (6.9-10.0)	75-111 (2.12-3.14)
RS 15ne-22ne	VSD premium	20-30 (15-22)	100-145 (6.9-10.0)	83-121 (2.34-3.41)
RS 30i-37i	fixed speed	40-50 (30-37)	110-145 (7.6-10.0)	132-231 (3.7-6.6)
RS 30ie-37ie	fixed speed premium	40-50 (30-37)	110-200 (7.6-13.8)	134-250 (3.8-7.2)
RS 30n-37n	VSD	40-50 (30-37)	100-145 (6.9-10.0)	74-231 (2.0-6.5)
RS 30n-37ne	VSD premium	40-50 (30-37)	100-145 (6.9-10.0)	72-253 (2.0-7.2)
RS 45nx	VSD	60 (45)	100-145 (6.9-10.0)	73-268 (2.1-7.6)
RS 45i-160i	fixed speed	60-200 (45-150)	65-200 (4.5-13.8)	210-1,031 (6.0-29.2)
RS 45n-160n	VSD	60-200 (45-150)	65-145 (4.5-10.0)	70-929 (2.0-26.3)
RS 90ie-160ie	fixed speed premium	125-200 (90-150)	65-200 (4.5-13.8)	494-1,094 (14.0-31.0)
RS 90ne-160ne	VSD premium	125-200 (90-150)	65-145 (4.5-10.0)	207-1,203 (5.9-29.0)

UP6S – 60 Hz Performance

UP6 5-15	fixed speed	5-15 (4-11)	125-150 (8.6-10.3)	13.0-55.0 (0.4-1.6)
UP6S 20-30	fixed speed	20-30 (15-22)	125-150 (8.6-10.3)	72.0-116.0 (2.04-3.28)
UP6S 75-100	fixed speed	75-100 (55-75)	110-145 (7.6-10.0)	290-455 (8.2-12.9)
UP6S 75-100	VSD	75-100 (55-75)	110-145 (7.6-10.0)	300-00 (8.4-11.1)

The Choice is Yours

Attribute	UP6S (5-30 hp)	Next Generation R-Series (5-50 hp)	UP6S (75-100 hp)	Next Generation R-Series (60-200 hp)
Motor	ODP; Dedicated Voltage	TEFC	TEFC	TEFC
Controller	5-15 hp: Electro-pneumatic 20-30 hp: XS 65	R/RS Models: Xe Series RSa Models: XS Series w/loT	XS Series w/loT	XS Series w/loT
Pressures	125, 150 max	110, 125, 145, 200	110, 125, 145	110, 125, 145, 200
Starter	NEMA 1 / IP23 Fixed Speed	NEMA 4 / IP55 Fixed Speed & VSD	NEMA 1 / IP40 Fixed Speed & VSD	NEMA 4 / IP55 Fixed Speed & VSD
Drive	Belt	Belt or Gear	Gear	Gear



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 maximize energy savings or non-cycling dryers for a lower initial cost.

- Dew points as low as 3°C (38°F), meeting Class 4 requirements
- Corrosion-free heat exchanger design for reliable operation
- 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.



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, externally heated or heat blower desiccant models.

- Delivers reliable -40°C (-40°F) 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

Always Work at Peak Performance

From initial design through the entire operating life of your compressed air system, Ingersoll Rand offers the services you need to optimize total cost of ownership (TCO).



 [Learn More About Our Comprehensive Services](#)



Design and Installation

Fully integrated services for any air compressor system, including equipment, building, piping, installation and commissioning.

- Complete system design
- Efficient project management
- Single-source responsibility
- Comprehensive experience



On-board IoT Platform

Visibility into day-to-day operations that maximizes your uptime and peace of mind, offering real-time data monitoring for your compressed air system.

- Detailed system performance analysis
- Diagnostic reporting
- Remote access to operating data
- Maintenance notifications



Air Assessment Services

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

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



RENTAL SERVICES

Ingersoll Rand Rentals

Minimize costly interruptions for emergencies or long-term planning. You'll get a quick response, robust products and unparalleled on-site experience.

- Extensive compressor and accessories inventory
- Heavy-duty, outdoor-ready designs
- Short- and long-term agreements
- Multiple depot and service locations



A compressed air system is a significant investment. You expect consistently reliable, clean, dry air at the lowest possible operating cost. Choose our genuine OEM 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 air compressor lubricant
- Environmentally friendly



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

 See Which Lubricant is Right for Your Compressor

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.



Learn about the True Value of Genuine OEM Parts

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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