



RS SERIES

ROTARY SCREW COMPRESSORS



HIGH PERFORMANCE. LEGENDARY RELIABILITY.

RS SERIES.

LEGENDARY RELIABILITY. Built Into Each Compressor.

THE NEXT GENERATION

Engineers have pushed their colleagues through collaboration to create pyramids and columns that have stood the test of time. Since 1854, CURTIS has engineered the longest lasting, best-built line of industrial air compressors Today, the FSCURTIS RS Series compressor honors that heritage by combining creative ingenuity with advanced engineering to deliver world class innovation and value.



RS Series 60HP Compressor

COMMITTED TO EXCELLENCE

FSCURTIS RS Series Screw air compressors are manufactured to ISO 9001:2000 standards. They are dependable and energy efficient, providing years of reliable service.

RS compressors are designed, built and tested in the USA. FSCURTIS has built more than 150 years of American heritage into the RS product line. FSCURTIS RS compressors are known for their legendary durability and performance.

FSCURTIS is committed to extensive research and development. We promise to continue our uncompromising pursuit of excellence and to provide the highest level of customer service through our international network of factory-trained distributors.

LOW POWER CONSUMPTION

- Compressor systems designed for maximum efficiency
- Control systems designed for maximum energy savings
- Highly efficient air ends built with the latest profile technology

LOW COST AND EASY SERVICE

- Leak free design
- Easily accessible service points
- Proven, reliable, high quality components

HIGH PERFORMANCE AND RELIABILITY

- Large, slow running and highly efficient air ends
- Standard, low loss and optimally sized components
- Rugged, heavy duty design for minimal service requirements

Genuine. FSCURTIS.

LEGENDARY RELIABILITY. EXPERIENCE THE DIFFERENCE.

COMPRESSED AIR IS VITAL TO ALL INDUSTRIES

Compressed air is the fourth utility after Water, Electricity and Heating and Cooling. Compressed air is the only utility which most companies are responsible for producing themselves.

Make the “right choice” for your compressor investment with the RS Series of air compressors. This “right choice” will help you gain maximum performance from your production, process or facility operation.

The selection process for the “right choice” for your critical fourth utility can be confusing. Find the answers at FSCURTIS...

www.fscurtis.com



Automotive industry



Technology industry



Manufacturing industry

FSCURTIS — INVESTING IN FUTURE GROWTH

FSCURTIS is expanding! We are investing in our products, facilities, and plant operations. In addition, we continue to expand our engineering department, in-house customer support team and corporate employed field sales representatives working together with local distributors. We have been steadily growing since 1854. You can rest assured FSCURTIS will continue to grow.

FSCURTIS — THE BEST PRODUCT

The FSCURTIS RS Series is built with 150+ years of customer experience in mind. The RS product incorporates the most important customer needs - energy efficiency, easy and low cost service, dependability, flexibility and simplicity.

FSCURTIS — THE BEST SUPPORT

People make the product! The FSCURTIS RS Series is sold through a network of professional compressor distributors. FSCURTIS distributors are the local experts who know you and your area even better. They are factory trained and certified for FSCURTIS products, provide fast local response and are always accessible to you.

FSCURTIS — THE BEST MATCH

Who Values Your Business With The Highest Regard? Do I Buy From A Local Company Or From An International Company? Will The Largest Supplier Listen And Respond To My Needs? Simply put, we at FSCURTIS measure success one unit at a time. Every customer, every solution and every single unit delivered has meaning for us. Your needs are the single most important factor in our U.S. based and international operations.

RS SERIES.

PERFORMANCE AT HIGH VALUE.

RS Series 100HP compressor

ULTIMATE DEPENDABILITY

The FSCURTIS RS Series rotary screw air compressors are designed and built for larger and more demanding industrial applications.

When you require absolute reliability and performance at the highest energy efficiency, RS Series should be your choice – 24/7, 365 days a year!



KEY FEATURES INCLUDE:

LOW POWER CONSUMPTION

- Optimal component selection for maximum performance in the toughest applications
- Smart control options for power savings in all conditions
- Highly efficient air ends with EAct efficiency motors for low power consumption

LOW COST SERVICE

- Easy and open access to service points
- Standard and long life components require minimum service
- Rugged and leak free design for reduced maintenance costs

HIGH PERFORMANCE

- Precision engineered component sizing for maximum performance
- High efficiency filtration and separation for maximum flow and durability
- Large and slow speed air end for high performance and extended service life

FLEXIBILITY

- Optional features for best application fit:
Water cooled versions, microprocessor control, premium efficiency motors, optional operating pressure and voltages
- Sound enclosure for work environment noise reduction

Manufacturing



Oil and Lube



Automotive



Paint and Body



Power Generation, Oil and Gas



ENERGY SAVING.

LOW POWER CONSUMPTION

For proven maximum energy savings, FSCURTIS offers as standard on line-off line control with modulation. During load cycle compressor capacity automatically adjusts to system demand. When system demand drops, sump system automatically blows down to a low idle pressure and maintains extremely low unloaded horsepower. For additional energy savings, unloaded timed shutdown is optional. Lead-lag/sequence control also available.



TAKE CONTROL...



STANDARD CONTROLS

Display includes discharge and sump pressure gauges, temperature gauge, hour meter, dual high air/oil temperature shutdown switches with indicating light, start-stop buttons, optional timed dual control switch, load/unload switch, standby light, power on light and optional PSID indicators.



OPTIONAL AIRTRON CONTROLLER

Advanced, simple to use micro-processor incorporates a logic which monitors the parameters and working conditions of the compressor. The display includes line pressure, sump pressure, operating temperature and run/load hours. Service advisories include air filter, oil filter, oil and separator. Warning indicators include high separator delta-p, high temperature and blocked air filter. Fault shutdowns include emergency stop, motor overload, wrong rotation, power interruption, high temperature and high pressure. Adjustable settings include operating pressure, dual control, delay off timer, auto restart timer and maximum starts per hour. Controller offers remote start-stop capability and easy hook up to sequence control.

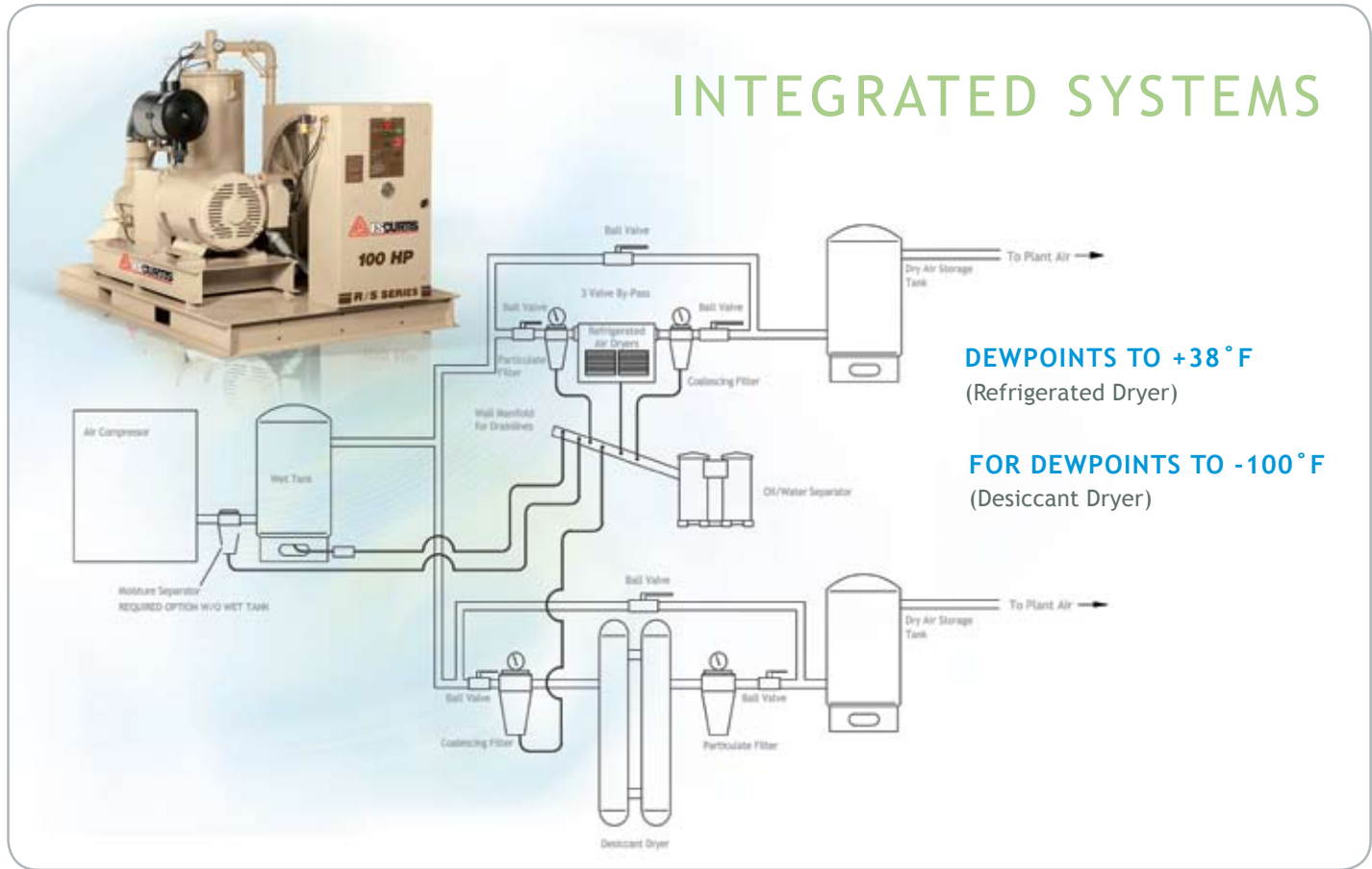


ELECTRICAL CONTROL ENCLOSURE

Conveniently located with hinged access door. Built-in across the line magnetic starters with thermo overload protection ensures long motor life. 115 volt control circuit with fused protection is provided for safe operation. Standard NEMA 1 control panel comes U.L. and C.U.L. listed with electrical components U.L. and C.S.A approved. Wye-Delta Starters are standard on 125 through 300HP.

GENUINE. FSCURTIS.

INTEGRATED SYSTEMS



COMPRESSED AIR QUALITY.



FULL LINE OF QUALITY ANCILLARY PRODUCTS.

www.fscurtis.com



Oil Water Separators



FSCURTIS Energy Management Systems



Filters— Particulate and Coalescing



Desiccant Air Dryers
Dew Points to -100° F



Refrigerated Air Dryers
Dew Points to +38° F

KEEP YOUR COMPLETE AIR SYSTEM RUNNING AT PEAK EFFICIENCY

FSCURTIS has a complete offering of compressed air treatment products and solutions to keep your production high and your air system dry. From energy management systems to high quality air line filtration to refrigerated, desiccant or membrane compressed air dryers, rely on FSCURTIS to help you get the air quality and system performance you need.

SOLID INVESTMENT.

RS SERIES AIR COMPRESSORS 50-300HP.

STANDARD FEATURES

- Intake filter (heavy duty)
- High efficiency air end
- Low loss drive system
- EPAct efficiency electric motor
- Across the line starter (50HP-100HP)
- Y/D starter (125HP-300HP)
- On-line / off-line with modulation
- Timed dual control (50HP)
- 115V control voltage
- Multi-stage oil separation system
- Heavy-duty oil filter with by-pass
- Oil level sight glass
- Mixing three-way oil thermostat
- Side-by-side oil / air cooler
- Air cooled
- Rigid base with forklift slots
- Multi-level safety systems
- Pressure relief valve
- Factory fill synthetic oil



Genuine. FSCURTIS.

OPTIONAL FEATURES AND EQUIPMENT

- Quiet enclosure
- Timed dual control (60HP-300HP)
- Additional low sound enclosure
- Water cooled
- Alternative voltages (200, 230, 575V, 60Hz)
- 50Hz models
- Airtron™ microprocessor controller
- Premium efficiency motors
- NEMA 4 control panel
- Y/D starter (STD 125HP-300HP)
- Solid state soft starter
- Pressure differential gauges for air, oil and separator filters
- Auto dual optional (60HP-300HP)

Model	Air Delivery / Cfm				Power HP	Dimensions	Weight (open) Lbs	Weight (enclosed) Lbs	Air Discharge NPT
	100 psig	125 psig	150 psig	175 psig		L x W x H Inches			
RS 50D	240	222	195	165	50	72 x 42 x 50	1925	2130	1-1/2"
RS 60D	280	275	236	212	60	76 x 48 x 63	2170	2570	1-1/2"
RS 75D	365	329	305	270	75	84 x 54 x 63	2690	3140	2"
RS 100D	465	458	363	340	100	84 x 54 x 63	2950	3400	2"
RS 125D	600	570	516	440	125	84 x 66 x 72	4520	5320	2"
RS 150D	760	706	583	546	150	84 x 66 x 72	4750	5550	2"
RS 200D	960	860	770	680	200	90 x 80 x 84	5285	5985	2-1/2"
RS 250D	1170	1073	970	890	250	112 x 80 x 84	9000	9700	3"
RS 300D	1450	1298	1150	1090	300	112 x 80 x 84	9300	10,000	3"

PROTECT YOUR INVESTMENT AND MAXIMIZE YOUR ENERGY SAVINGS.

DEMAND **GENUINE FSCURTIS®** PARTS.

*Maintain your RS unit with original
FSCURTIS replacement parts.
Contact your local FSCURTIS
distributor for details.*



LEGENDARY RELIABILITY.

FSCURTIS facilities include a 144,000 square foot facility in St. Louis, Missouri, as well as facilities in Los Angeles, California and San Diego, California. All phases of production, from design and engineering to final assembly and shipping meet or exceed the highest industry standards. State-of-the-art computer aided design allows FSCURTIS to meet the hundreds of customer specified compressor package configurations.



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Distributed By:

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Improvements and research are continuous at FSCURTIS. Specifications may change without notice.

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