

SEG SERIES

ROTARY SCREW AIR COMPRESSORS



**FIXED SPEED
ROTARY SCREW
AIR COMPRESSORS
5-15HP**



**SOME COMPANIES ARE FOUNDED ON HARD WORK.
OTHERS ARE FOUNDED ON IDEALS.**

FS-CURTIS WAS FOUNDED ON BOTH.

A HISTORY OF

1854

Curtis & Co. –
Empire Saw founded
in St. Louis, MO, USA

1857

Earned Agricultural
and Mechanical Fair
award for excellence
and quality

1876

Named Curtis
and Co.
Manufacturing

1897

Built first
reciprocating
air compressor
that later evolved
into the Master
Line Series

1914

Supported U.S.
Government efforts
by producing more
than 2 million Howitzer
shell forgings

1940

Designed and
developed
mobile oxygen
compressors to be
used in Aerospace
applications

1955

Merged with U.S.
Air Compressor
Company, Central
Petroleum Company,
Lewis Machine
Company



REAL-WORLD PEOPLE

When you're successful, we're successful. That's why FS-Curtis listens. Trust and dependability are the foundations of our past and the fabric of our future, so you can count on being treated with the personal touch you deserve.

**“Trust and dependability are
the foundations of our past
and the fabric of our future.”**

~ Brent Becker – President, FS-Curtis



More than 150 years ago, the FS-Curtis way of doing business was established through two key commitments: a dedication to building quality products and a dedication to responsive customer service.

Over the decades, the company and its products have evolved through innovation and new technologies. But those commitments to quality and service remain unchanged. Today, just as in 1854, FS-Curtis customers can depend on our products for reliable, long-term service. Equally as important, they can depend on getting the same from our people.

EXCELLENCE

1976

Merged with Toledo Tools as Curtis-Toledo Inc.

1979

Introduction of Challenge Air Series reciprocating air compressors

1995

Began manufacturing and assembling Rotary Screw Air compressors

2005

Expanded global market reach by joining forces with Fusheng Industrial

2006

U.S. Headquarters certified as ISO9001:2000 and ISO14001:2004

2010

Introduced next generation GSV Variable Speed Rotary Screw compressors



REAL-WORLD PRODUCTS

Take more than a century of experience building quality compressors, add in a staff that's listening to the needs of the market, and the result is a product lineup that's built for tough working conditions. No wonder so many customers around the world depend on FS-Curtis compressors day in and day out.

HIGH-PERFORMANCE LEGENDARY RELIABILITY

QUIET, EFFICIENT AND EFFECTIVE

Stable air pressure, steady airflow, and quieter, continuous-duty operation are just a few of the advantages you get with FS-Curtis rotary screw compressors. These smart, compact units also offer better air quality with less oil carryover than reciprocating models. Simple controls and diagnostics make them easy to use and service, too. It all adds up to an extremely reliable machine that can run 100% continuous duty, delivering more airflow and better efficiency in a space-saving design — making the SEG Series ideal for automotive, light industrial and other applications that require reliable performance in demanding conditions.





SEG SERIES FEATURES AT A GLANCE

dBa SHIELD NOISE REDUCTION

Designed for whisper-quiet operation.

- Integration of fan and drive motors make for extremely smooth and quiet operation
- Extra-thick sound insulation reduces noise
- Can be installed in applications where a quiet setting is important

eCOOL® TECHNOLOGY

The ultimate in system protection and reliability.

- Protects critical components from compressor-generated heat
- Extends component life and reduces downtime

QUALITY COMPONENTS

Built to the highest levels of dependability and reliability.

- All components are generously sized and selected for the utmost in reliability
- User-friendly AIMS controller features easy-to-read display and informative menus

SUPERIOR PACKAGE DESIGN

Designed for low cost of ownership and easy service.

- Space-saving compact design
- Pulsation-free air
- 100% continuous duty
- Extended service intervals
- More CFM per horsepower
- Improved air quality
- Energy efficiency at full load delivers more air for the money
- Optional dryer gives full system design in a smaller footprint
- Exclusive FS-Curtis airends utilize the latest rotor profile to maximize efficiency

Stable air pressure, steady airflow, and quieter, continuous-duty operation are just a few of the advantages you get.



eCOOL® **TECHNOLOGY** **A COOL INNOVATION**

Compressors generate heat. FS-Curtis' exclusive eCOOL technology provides protection from heat. By combining smart compressor layout with intelligent component selection, eCOOL technology maximizes cooling airflow for greater energy efficiency, improved reliability and extended service life.

EXTENDED SERVICE LIFE

eCool technology reduces thermal stress and increases service life up to 50% longer for motors and electrical components and up to 30-50% longer for bearings, hoses and seals.



dBa SHIELD NOISE REDUCTION **A SOUND INVESTMENT**

Noisy compressors can limit your installation options. FS-Curtis has the solution. The SEG series combines a special fan design, airflow baffling and sound insulation for extremely quiet operation. It's so quiet, you can install the unit closer to where you want to use it.

SUPERIOR PACKAGE DESIGN

The SEG Series offers a space-saving, compact profile that's easy to install. Exclusive FS-Curtis airends maximize efficiency, along with continuous-duty control. Plus, multiple functions are integrated on the inlet and discharge valve assemblies, which reduces connections by up to 90%.

Heavy-duty industrial hose assemblies have hydraulic fittings and bonded o-ring seals for long life, plus they can also be reused. Even the spin-on air/oil separator is direct-flanged onto the airend for fast, no-mess replacement.

OPTIONAL DRYER

Downstream oil and water can make a negative impact on your bottom line. That's why FS-Curtis offers a full line of compressed air treatment products to keep your production high and your air system dry. From energy to high-quality air line filtration to refrigerated, desiccant or membrane compressed air dryers, count on FS-Curtis for the performance you need.



QUALITY COMPONENTS ENSURE LONG-TERM RELIABILITY

When it comes to quality, FS-Curtis pays attention to detail. A heavy-duty powder-coated enclosure and washable cabinet filters protect internal components. Cleanable inlet filtration panels pre-clean the incoming air stream for lower operating costs, greater compressor reliability and higher air quality. By ensuring that every element is built and designed with quality in mind, FS-Curtis delivers a product that's built to last.

In addition to the components listed above, the deep pleats on our filters provide 200% more surface area than typical filter elements to remove finer contaminants with less flow resistance. That means air and lubrication circulation systems stay cleaner, last longer and require less energy. A thermostatic oil controller with an integrated FS-Curtis oil filter further ensures that only cool, clean air is compressed.



AIR INTAKE FILTER

This is your first line of defense, so quality matters. Our filter is rated at 3 micron absolute, not 5 or 10 like some competitors, and the air inlet port is optimally positioned to receive the coolest air as it enters the cabinet offering both an industry leading and intelligent design.



OIL FILTER

The FS-Curtis oil filter is 33% more efficient than most competitors. It features deep pleating for long life and simply spins on for fast, easy replacement.



AIR/OIL SEPARATOR

Here again, FS-Curtis is 33% more efficient than most competitors. Deep-pleated construction and inside-to-outside flow paths provide excellent oil coalescence, resulting in 3 ppm or less oil carryover and low pressure drop before the aftercooler. That translates to lower make-up oil costs and higher-quality compressed air.



AIMS CONTROLLER

The SEG series is simple to operate, thanks to this user-friendly control interface with an easy-to-read display. Informative menus guide the user through settings and service timers let you know when it's time for maintenance. It all helps make your compressor simple and easy to operate, much like a reciprocating compressor.

THE IDEAL CHOICE



STANDARD



PREMIUM



ELITE



ROTARY

Overview	Industry-leading entry level features	Robust construction and enhanced features for demanding applications	The most rugged reciprocating compressor on the market	Quiet, efficient, and reliable rotary screw air compressor
Horsepower (HP)	5-10HP	5-15HP	5-30HP	5-15HP
Technology	Splash Lubricated Reciprocating	Splash Lubricated Reciprocating	Pressure Lubricated Reciprocating	Oil-Flooded Rotary Screw
Recommended Use	Intermittent	Intermittent and Continuous Run	Intermittent and Continuous Run	Continuous Run
Applications	Light Industrial, DIY, Commercial, Automotive	Light Industrial, Industrial, Commercial, Automotive	Light Industrial, Industrial, Commercial, Heavy-Use Automotive	Light Industrial, Heavy Industrial, Commercial, Heavy-Use Automotive, Paint Applications
Ultra Pack Available	No	Yes	Yes	Yes
Warranty	Standard 12-Month Factory Warranty; 2-Year Extended Available	Standard 12-Month Factory Warranty; 5-Year Extended or 5-Year Bumper-To-Bumper with Ultra Pack Available	Standard 12-Month Factory Warranty; 5-Year Extended or 5-Year Bumper-To-Bumper with Ultra Pack Available	Standard 12-Month Factory Warranty; 5-Year Extended Available

THERE'S AN FS-CURTIS COMPRESSOR THAT IS RIGHT FOR EVERY NEED!

Work with your FS-Curtis distributor to select from a full range of rotary and reciprocating compressors and configuration options to best meet your application.

TECHNICAL DATA

MODEL	CAPACITY FAD (CFM)				MOTOR	SOUND LEVEL	DIMENSIONS	WEIGHT
	100 psi	125 psi	150 psi	175 psi	HP	dBA	(LxWxH-In.)	Lbs.
SEG-5	19.4	18.5	14.1	12.4	5	65	66.5x30x61.25	1142
SEG-7.5	30	28.3	24.7	19.1	7.5			1151
SEG-10	41.7	38.2	33.6	28.3	10	69	66.5x30x65.25	1160
SEG-15	58.3	54	49.5	42.7	15			1270

STANDARD FEATURES

- TEFC IP54 motor
- AIMS alphanumeric controller
- Mounted on 80 gallon receiver tank
- Powder-coat painted enclosure
- Laminated oil-proof sound insulation
- Washable cabinet pre-filtration panels
- Encapsulated airend
- Spin-on oil filter and air/oil separator
- Multi-function inlet valve
- Vibration isolators
- Full-voltage motor starter
- Factory fill synthetic lubricant
- Air-cooled oil cooler
- Air-cooled after cooler (10-15HP)

OPTIONAL FEATURES AND EQUIPMENT

- Base mounting available
- Automatic and time solenoid condensate drains
- Ultracompact includes high efficiency dryer and filter



EASY TO WORK WITH

Just as you get personal attention from FS-Curtis when selecting equipment, you're also supported worldwide by great people. You can count on the global FS-Curtis staff and representatives to listen to your needs and work with you to develop the solution that's best for your situation. Our people are committed to serving you well and FS-Curtis provides extensive training in the field and at our St. Louis headquarters to ensure that you have the support you need.

In addition, authorized FS-Curtis distributors use genuine FS-Curtis parts, lubricants and filter kits to maximize the service life of your equipment. And with a nationwide network of service centers, you don't need to worry about added downtime waiting for parts.

QUALITY PARTS MATTER

At FS-Curtis, quality is never compromised. That's why we control production using ISO 9001:2008 and ISO 14001:2004 standards, and it's also why we maintain a large inventory of replacement parts.

Using only genuine FS-Curtis replacement parts not only helps ensure continued reliable service of your equipment, but the large inventory also helps keep parts affordable and available. We're dedicated to maximizing your productivity, and that includes maximizing your uptime.

Through the dependability of our people and our quality-focused manufacturing, FS-Curtis will continue to be a trusted name serving even more markets through our ever-growing global presence.



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Improvements and research are continuous
at FS-Curtis. Specifications may change
without notice.

ISO 9001
ISO 14001

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