FSCURTIS

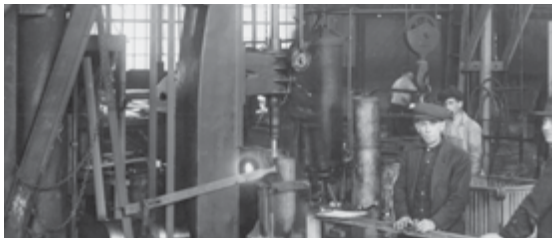


class zero oil-free
ISO 8573-1

ECO SCROLL

OIL-FREE AIR COMPRESSORS
ISO 8573-1 CLASS 0
4 - 15 kW







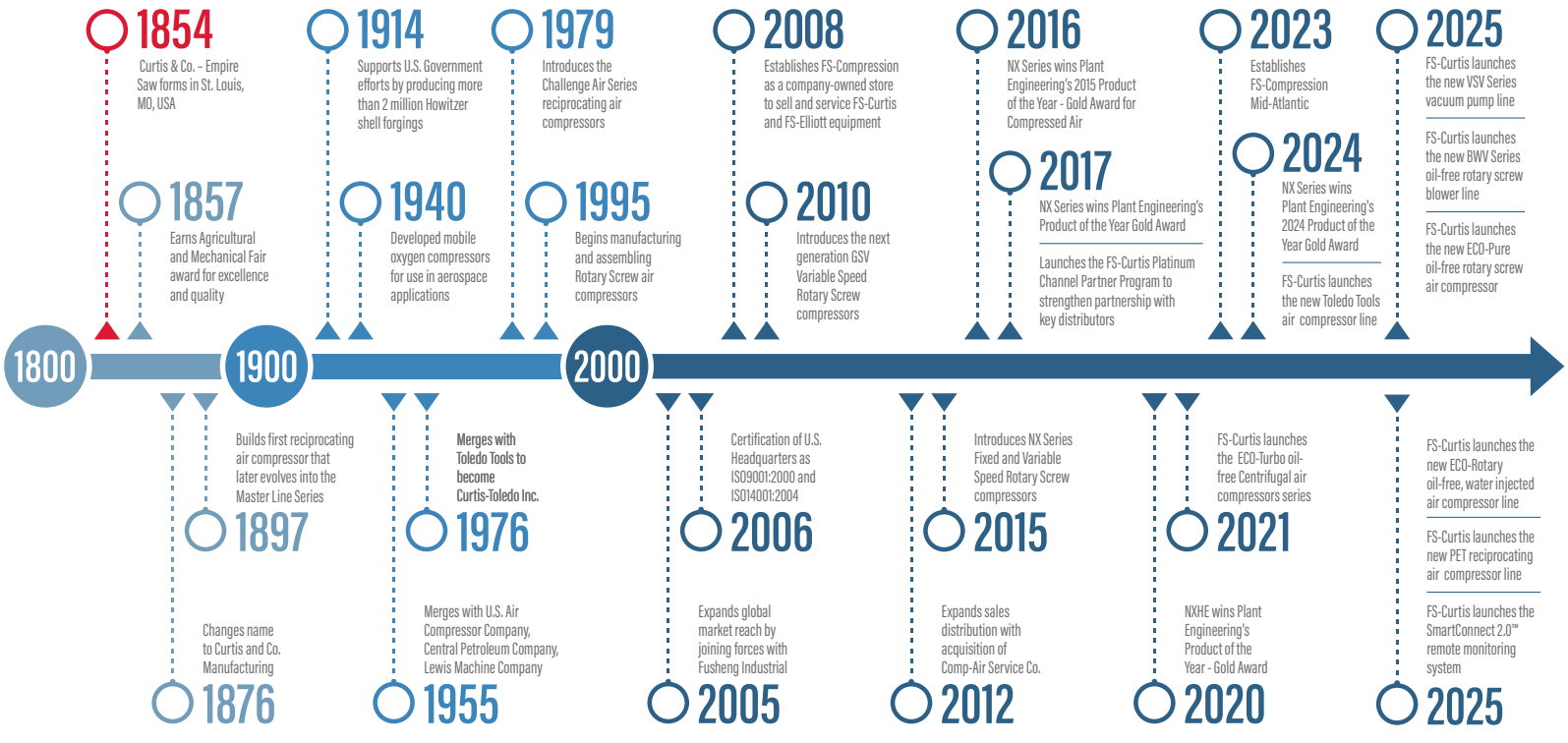
SOME COMPANIES ARE FOUNDED ON HARD WORK. OTHERS ARE FOUNDED ON IDEALS.

FS-CURTIS WAS FOUNDED ON BOTH.

One-hundred and seventy 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.

A HISTORY OF EXCELLENCE



POWERFUL, EFFICIENT, AND ECOLOGICALLY CONSCIOUS



ENVIRONMENTALLY FRIENDLY AND HIGHLY RELIABLE

FS-Curtis ECO Scroll oil-free air compressors are ISO 8573-1 CLASS 0 certified compressors which are energy efficient, easy to operate and maintain, as well as quiet and compact. FS-Curtis ECO Scroll oil-free scroll compressors provide 100% oil-free air for critical applications in industries such as electronics, pharmaceutical, hospitals, printing, automotive, universities, dental applications, water aeration, and food and beverage.

TECHNICAL DATA

MODEL	POWER kW / HP	PSI	FIXED SPEED CFM	CONFIGURATION	TANK SIZE gal.	DIMENSIONS L x W x H in.	WEIGHT lbs.
ES04	4 / 5	116	15	base mount	N/A	25.25 x 23.6 x 35.25	375
		145	12.2	tank mount	60	53.75 x 30 x 61	708
					80	67.75 x 30 x 61	807
					120	71.75 x 30 x 66.5	910
				Ultrapack	60	53.75 x 30 x 61	708
					80	67.75 x 30 x 61	807
					120	71.75 x 30 x 66.5	910
ES08	8 / 10	116 or 145	30 or 24.4	air cooled	N/A	40 x 29.5 x 65	970
ES11	12 / 15	116 or 145	45 or 36.6	air cooled	N/A	63 x 29.5 x 68.5	1433
ES15	16 / 20	116 or 145	60 or 48.7	air cooled	N/A	63 x 29.5 x 68.5	1587



SCROLL VS. ROTARY SCREW

Many customers are opting for rotary screw compressors based on their need for low oil-carryover, low sound, and continuous-duty operation, but scroll compressors perform as well or better than rotary screws in all these areas. In addition, scrolls are not as sensitive to intermittent operation or short-cycling, and are therefore, less risky if you are unsure about your air demand.

FEATURES AT A GLANCE

Clean, Oil-Free Air

High quality air where oil-free air is critical

- Delivers ISO 8573-1 Class 0 clean & efficient compressed air
- No oil contamination

Whisper Quiet

Designed for quieter operation

- Designed to be installed in applications where quiet setting is important
- Noise level between 57 and 63 dBA
- No inlet valve knocking noise
- Ultra low vibration (5mm/s or less)

Powerful and Energy Efficient

Built to the highest levels of dependability, reliability & efficiency

- Powered by high efficient motor TEFC IE3
- Exclusive ECO-Series scroll airend
- Fixed and orbital scrolls are precisely meshed
- Centrifugal cooling fan keeps heat exchange efficient and quiet
- Check valves and safety relief valves in line to prevent back pressure to the airend
- 100% duty cycle
- Units are start/stop controlled
- Can be oversized without harm to scroll airend



Ecologically Conscious

Smart & environmentally conscious design

- Lower carbon footprint with environmentally friendly ISO 8573-1 Class 0 Air
- Unit installation in work space gives you reduced installation costs
- Promotes energy conservation by avoiding the use of oil
- Maintenance friendly
- Less moving parts results in higher reliability
- Small footprint, space saving modular design
- Easy to use electronic controller

Smart User-Friendly Controller

User-friendly control interface with an easy-to-read display

- Alarm and shutdown warnings give you multiple protections against incoming damages
- Warning/alarm and shutdown gives you multiple protections against damaging implications
- Real-time pressure and temperature reading for real time status monitoring
- Simple and easy to operate, much like a reciprocating compressor

INDUSTRY APPLICATIONS

FS-Curtis has earned the reputation for building the most rugged industrial-duty compressor you can buy. Our professional engineering staff and factory-trained distributor network are committed to supplying you with a complete offering of the very best in compressed air equipment.



Electronic - Oil-free air is needed to activate tools, control valves and actuators. Also, moving components with oil-free air is crucial as they could be compromised by residue very easily.

Pharmaceuticals - Coatings are sprayed on tablets using compressed air. If oil-free compressor is not used, oil in the air would be directly deposited on the tablets causing rejections or health risks. If oily, exhaust air from automated components could contaminate the production line, it could lead to rejected final products and possible health code violations.

Hospital - Medical air is supplied while simultaneously operating surgical tools without worrying about added toxins or flammable contaminants in the compressed air.



Printing - Various automated machines that, if oil is introduced, would compromise final product.

Automotive/Aftermarket - An important step of the automotive process is paint application, which require oil-free air. It alleviates any fisheyes, streaks, or any other oil carry over imperfections. No extra high dollar filtration is needed. Cleanup equipment is minimized due to oil-free air. Due to the 100% duty-cycle, scroll compressors do not suffer catastrophic failures that occur when light run conditions are more frequent.

Automotive Assembly - For assembly line robotics, high quality paint, and clear coat finishes.

Universities - For lab testing in clean room environments.



Dental - Needed for air tools that will come in direct contact with the patient.

Water Aeration - For uses in theme parks where animals and/ or humans are in direct contact with the water being aerated.

Food and Beverage - Needed for fermentation, packaging, bottling, cleaning, filling and capping. Assembly line exhausts containing oil would contaminate final products.

CONTINUED COMMITMENT



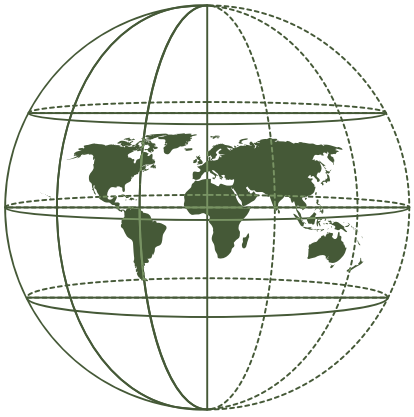
A company history that dates 170 years is a company history that, to us, is just the beginning. FS-Curtis is committed to offering a world-class portfolio of products. Through the dependability of our people and our quality-focused manufacturing, FS-Curtis will continue to be the most trusted and dependable name in compressed air serving even more markets through our ever-growing global presence.

You can count on **FS-Curtis** to approach the next 170 years by staying true to the values and strengths that are appreciated by our customers today.

A WORLD OF DIFFERENCE

The FS-Curtis headquarters in St. Louis, Missouri, U.S.A. is the anchor of a larger global network. FS-Curtis builds quality products — and a quality reputation — at locations around the world.

In addition to our manufacturing and packaging locations, a large global network of sales agents and distributors ensures that sales and service support is available around the world, day in and day out.



ST. LOUIS, MO USA (HEADQUARTERS)

TAIPEI, TAIWAN (FUSHENG HQ) | SHANGHAI, CHINA (FUSHENG)
PITTSBURGH, PA USA (FS-ELLIOTT) | KONGEN, GERMANY (ALMIG)
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bsi ISO 9001 Quality Management Systems CERTIFIED

CAGI Compressed Air & Gas Institute PERFORMANCE VERIFICATION PROGRAM

COMPRESSED AIR CHALLENGE SPONSOR

CORPLITERATURE: FSL-ECOSCROLLREV4
Improvements and research are continuous at FS-Curtis. Specifications may change without notice.

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