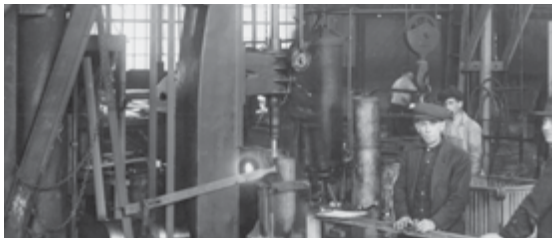
FSCURTIS



BWV SERIES

BWV SERIES OIL-FREE ROTARY SCREW BLOWER 15-110 kW







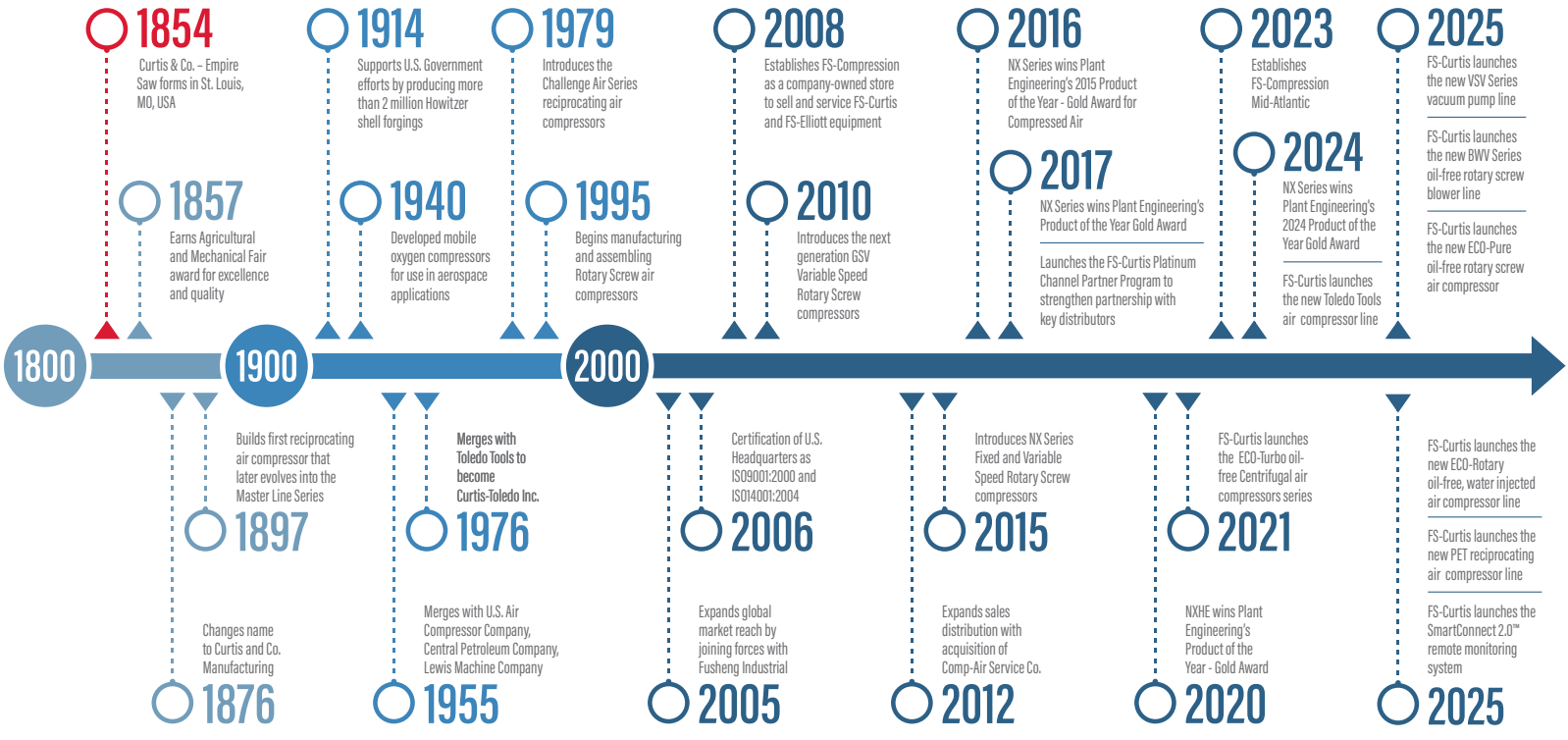
SOME COMPANIES ARE FOUNDED ON HARD WORK. OTHERS ARE FOUNDED ON IDEALS.

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 rely on getting the same from our people.

A HISTORY OF EXCELLENCE



BWV SERIES

FEATURES AT A GLANCE

LOW NOISE AND HIGH RELIABILITY

The advanced air inlet duct and engineered system layout ensure smooth, uninterrupted airflow. This design minimizes pressure fluctuations, delivering quiet, stable, and reliable performance even in demanding applications.

SUPERIOR TRANSMISSION EFFICIENCY

With a direct motor-to-airend coupling, the system maximizes transmission efficiency while reducing energy loss, wear, and operating costs.

VARIABLE SPEED MODELS FOR MAXIMUM EFFICIENCY

Powered by a high-efficiency permanent-magnet motor and variable speed drive, the unit delivers constant pressure with smooth, linear operation - eliminating large starting currents and significantly lowering energy consumption.

OUTSTANDING CONTROL SYSTEM

An intuitive large-screen interface and intelligent control system simplify operation, optimize performance, enhance monitoring, and reduce downtime.

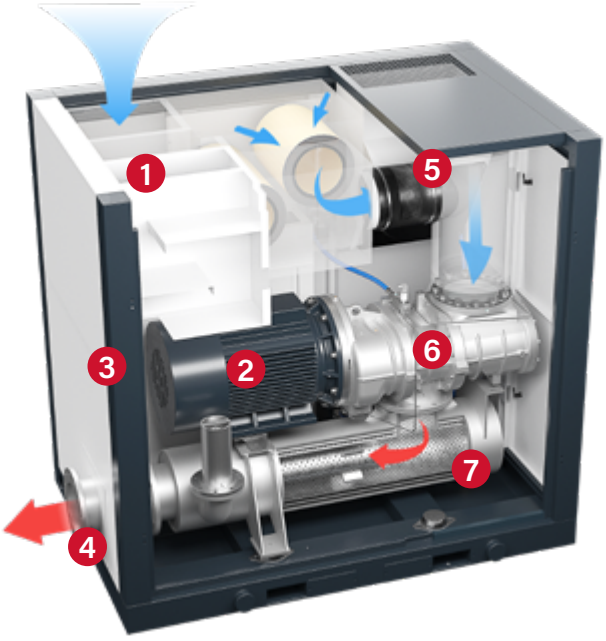


COMPLETE MODULAR DESIGN

Built with a lighter weight and fewer vulnerable parts, the system ensures more economical, straightforward servicing and maintenance. The packaged, plug-and-play unit design further simplifies installation and operation, delivering efficiency and reliability with minimal effort.

EFFICIENT PACKAGE DESIGN

1. Air Inlet
2. Permanent-Magnet Frequency-Varying Motor
3. Acoustic Shroud
4. Air Outlet
5. Inlet Muffling Duct
6. Airend
7. Discharge Muffler

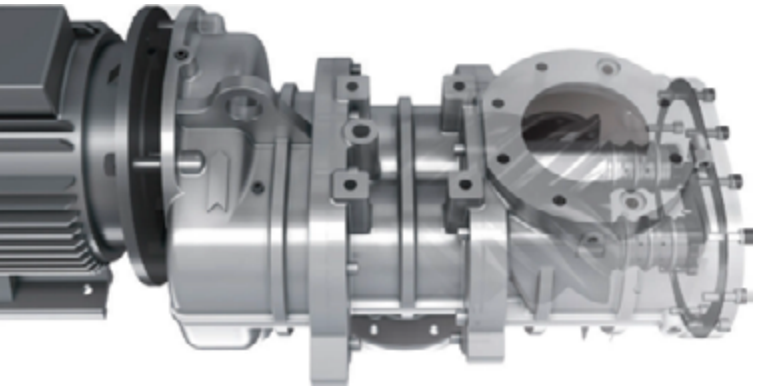


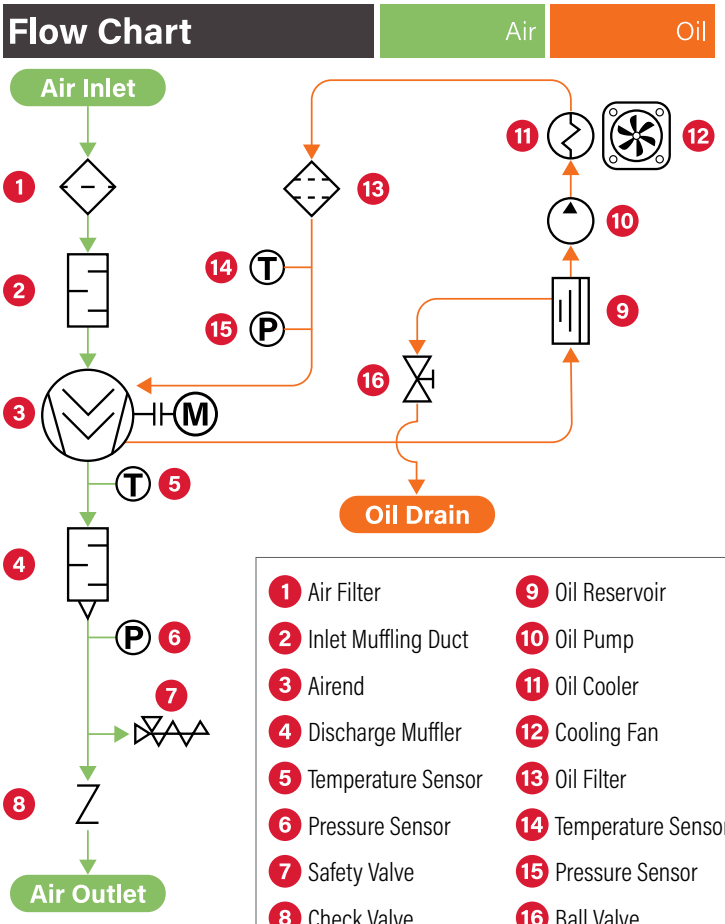
BWV SERIES

FEATURES AT A GLANCE

OIL FREE ROTARY SCREW AIR END AIREND

- The rotor surface is protected with a specialized PTFE coating that resists corrosion, improves volumetric efficiency, and extends the rotor's service life.
- No contact between rotors, or between rotors and casing, with gears and shafts positioned away from the cylinder to ensure clean, oil-free air delivery.
- The solid, compact casing provides high deformation resistance, ensuring precise rotor stability at elevated RPMs for consistent airflow control and effective noise suppression.





EXCEPTIONAL EFFICIENCY

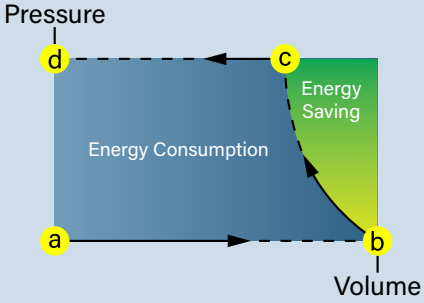
The BWV blower becomes more energy-efficient when a piece of equipment needs higher pressure.

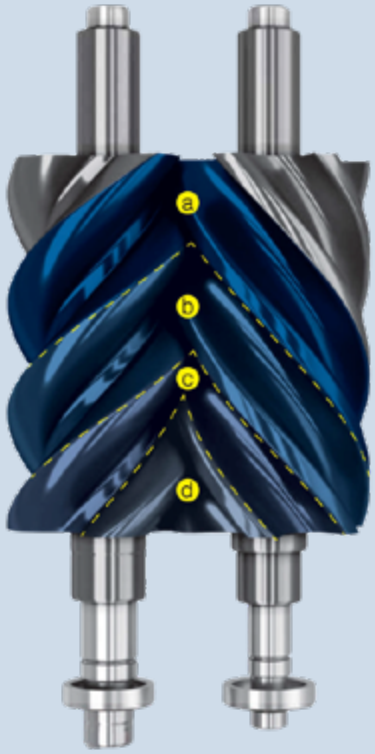
- At 0.5 bar, up to **25%** of energy can be saved.
- At 0.8 bar or higher, the saving can be as high as **35%**.

a → b Air is drawn from the atmosphere into the blower.

b → c Air is pushed to the pressure side by the blower. The pressure rises as the air volume reduces.

c → d Air is drawn from the atmosphere into the blower.





BWV SERIES
iCOMMAND-TOUCH+



The next generation iCommand-Touch+ controller delivers improved flexibility and functionality with intuitive navigation and simple touchscreen control. The 7" HMI full-color screen displays real time information about current compressor operating status and puts complete compressor control at your fingertips!

CONTROL YOUR COMPRESSOR, **DON'T LET IT CONTROL YOU.**

Designed to help you optimize performance to save energy, limit downtime, and save YOU money!

- The full-color, 7" HMI touchscreen is large, easy to read and navigate, and features improved display resolution.
- Reduce troubleshooting time by accessing the service menu through a stored permanent password...no more calling the factory for an access code!
- Controller data and set points can easily be uploaded by USB connection directly on the iCommand-Touch+ controller...no more cumbersome SD card!

Expanded Functionality

- The ability to view all VFD Drive data directly from the iCommand Touch+ screen speeds troubleshooting and issue resolution.
- Four (4) RS485 ports increases your ability to connect to higher level communications.
- Six (6) analog inputs and one (1) analog output bring flexibility and the ability to trigger critical functions in your compressed air system based on air compressor status.

Trending & Graphing Capabilities

- Real time and historical data trending keeps your finger on the pulse of your entire compressed air system.
- Continuously tracks pressure, temperature, and usage to easily diagnose and optimize your compressed air system.
- Graphing can easily be downloaded to a USB thumb drive for historical records, troubleshooting and quality control measures.

Important Features

- Auto restart (after power outage)
- Restart delay
- Remote on/off
- Remote loaded/unloaded
- Operating mode selection
- Calendar/time-based system operating schedule



BWV SERIES

INDUSTRY APPLICATIONS

FS-Curtis has earned the reputation for building the most rugged industrial-duty blower and air compressors 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 for any industry.



WASTEWATER TREATMENT



CEMENT MANUFACTURING



MINING & MINE SAFETY



PULP & PAPER PRODUCTION



PETROLEUM REFINING



PHARMACEUTICAL INDUSTRY



AUTOMOTIVE INDUSTRY



GLASS MANUFACTURING



AQUACULTURE / FISH FARMING

BWV SERIES

TECHNICAL DATA

MODEL	POWER		PRESSURE	CAPACITY	DIMENSIONS	WEIGHT
	kW	HP	psig (bar)	CFM	L x W x H in.	lbs.
BWV15	15	20	11.6 (.8)	339	59 x 39 x 55	2120
			17.4 (1.2)	243		
BWV18	18.5	24	11.6 (.8)	448	59 x 39 x 55	2160
			17.4 (1.2)	289		
BWV22	22	30	8.7 (.6)	660	59 x 39 x 55	2204
			11.6 (.8)	550		
			17.4 (1.2)	388		
BWV30	30	40	11.6 (.8)	632	59 x 39 x 55	2425
			17.4 (1.2)	480		
BWV37	37	50	8.7 (.6)	1154	67 x 43 x 57	2645
			11.6 (.8)	872		
			17.4 (1.2)	596		
BWV45	45	60	11.6 (.8)	1186	67 x 43 x 57	2755
			17.4 (1.2)	805		
BWV55	55	75	11.6 (.8)	1352	67 x 43 x 57	2975
			17.4 (1.2)	988		
BWV75	75	100	8.7 (.6)	2189	98 x 59 x 85	5950
			11.6 (.8)	1906		
			17.4 (1.2)	1433		
BWV90	90	120	11.6 (.8)	2306	98 x 59 x 85	6175
			17.4 (1.2)	1606		
BWV110	110	150	11.6 (.8)	2436	98 x 59 x 85	6615
			17.4 (1.2)	1730		

CONTINUED COMMITMENT



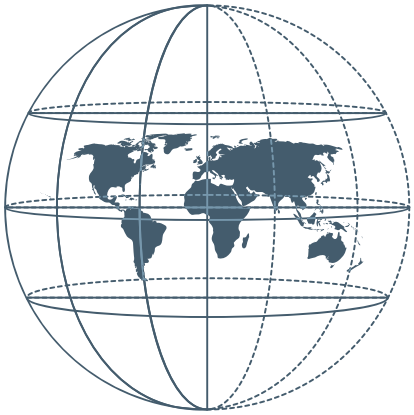
A company history that dates 170 years is a company history that, to us, is just the beginning. FS-Curtis is committed to offering a world-class portfolio of products. Through the dependability of our people and our quality-focused manufacturing, FS-Curtis will continue to be the most trusted and dependable 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.



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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-BWVBROCHUREREV1
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