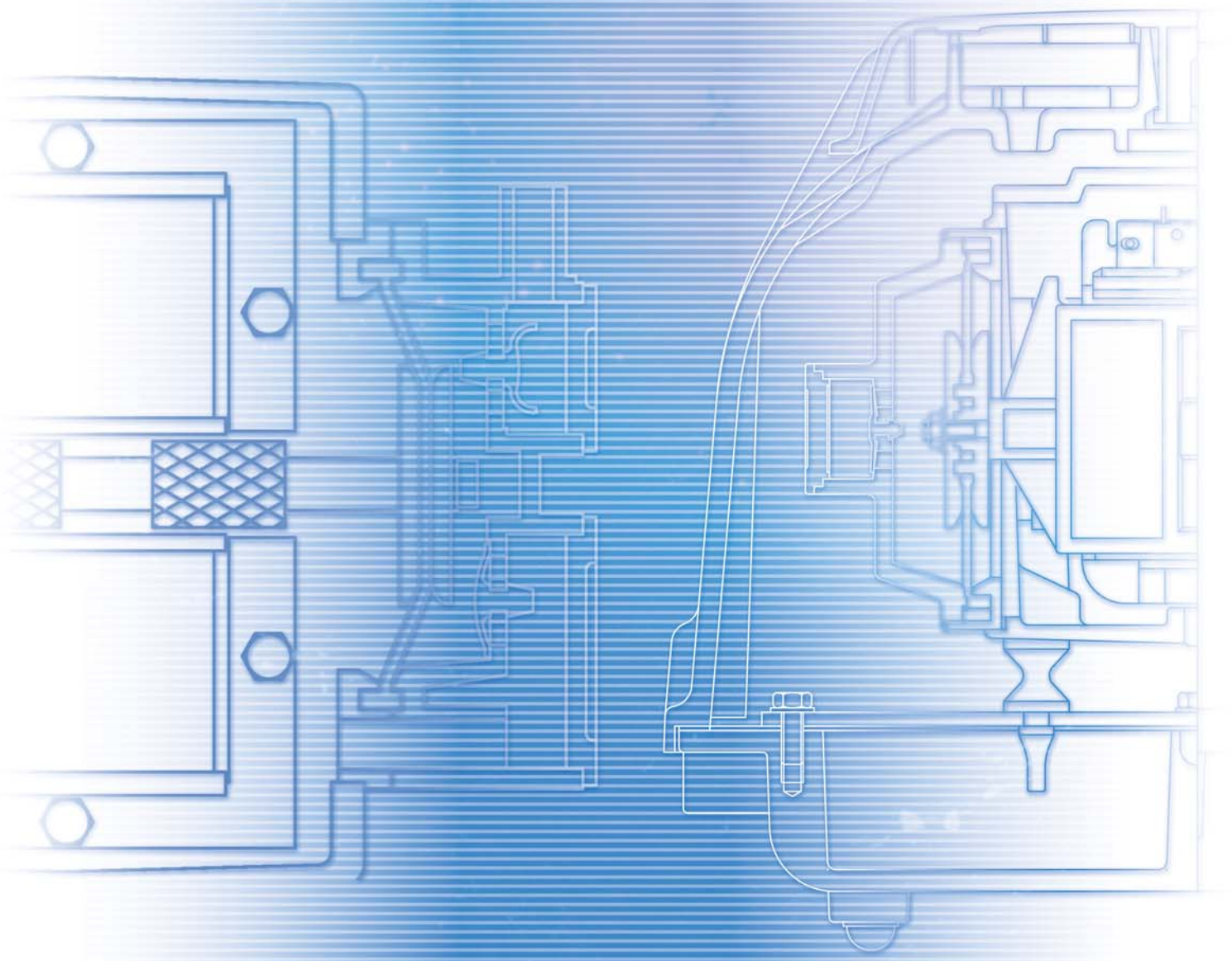
NEW

JDK SERIES



SECOH

FPZ

BLOWER TECHNOLOGY

About SECOH - FPZ

SECOH has been manufacturing oilless diaphragm linear pumps since its foundation in 1966. Secoh products are backed by experienced Research and Development and Product engineers to help you find or develop a product to meet your specific pneumatic requirements. We are especially proud of our lasting commitment to quality as each product that we manufacture is thoroughly tested to assure that our customers receive high quality products.

FPZ manufactures regenerative blowers and is the exclusive distributor for Secoh linear air compressors in North America. FPZ provides local service and support backed by Secoh's manufacturing and technical expertise. Most models are stocked by FPZ in our Wisconsin facility.

JDK Series

Secoh's JDK series features lower power consumption and increased airflow. Internal pump temperatures have been significantly lowered resulting in extended diaphragm life. JDK series from FPZ are ul listed for outdoor operation.

JDK -20-30-40

JDK - 60- 80-100 - 120

With Alarm

FPZ, Inc. 150 N. Progress Drive Saukville, WI 53080 USA Tel. (262) 268-0180 usa@fpz.com www.fpz.com

Operating principle

The activated electromagnets put the magnet into oscillation movements.
It moves first in the direction of the arrow in Fig. A and then in the direction of the arrow in Fig.B. The magnet, which moves back and forth between the electromagnets at the same freqency as that of the power supply changes the valve box volume, creating pressure or vacuum.

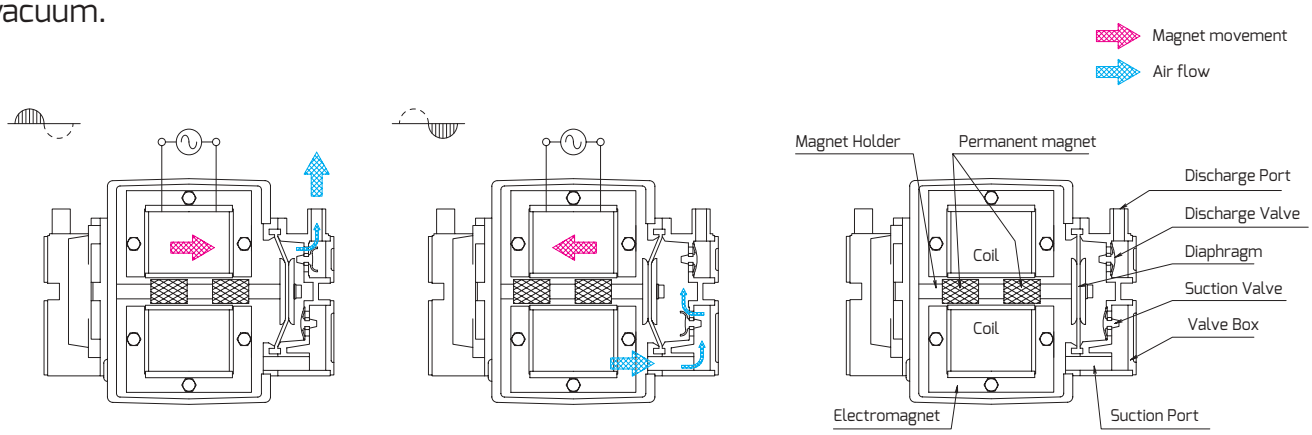


Fig.A Fig.B

Advantages

SECOH diaphragm linear pumps have the following superior advantages.

- Completely Oil free
- Compact and light construction
- Low vibration
- Very little pulsation
- Low maintenance

Applications

Our oilless diaphragm linear pumps are used in a broad range of applications throughout the world. Typical applications for SECOH pumps include:

- Onsite wastewater treatment plant
- Air mattresses
- Aqaculture aeration
- Ink jet printers
- Circulation therapy
- Blood cuff monitors
- Air sampling/monitoring
- Liqid agitation
- Vacuum tweezers

Technical

Rated pressure:	This is the recommended pressure to operate at to maximize pump life.
Max Pressure:	It is recommended to not exceed the maximum pressure in coninuous duty applications. Diaphragm life is reduced when operated above Max pressure.
Air flow:	Air flow is measured at the rated pressure
Power:	Input wattage at rated pressure

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JDK-20-30-40

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Technical Data

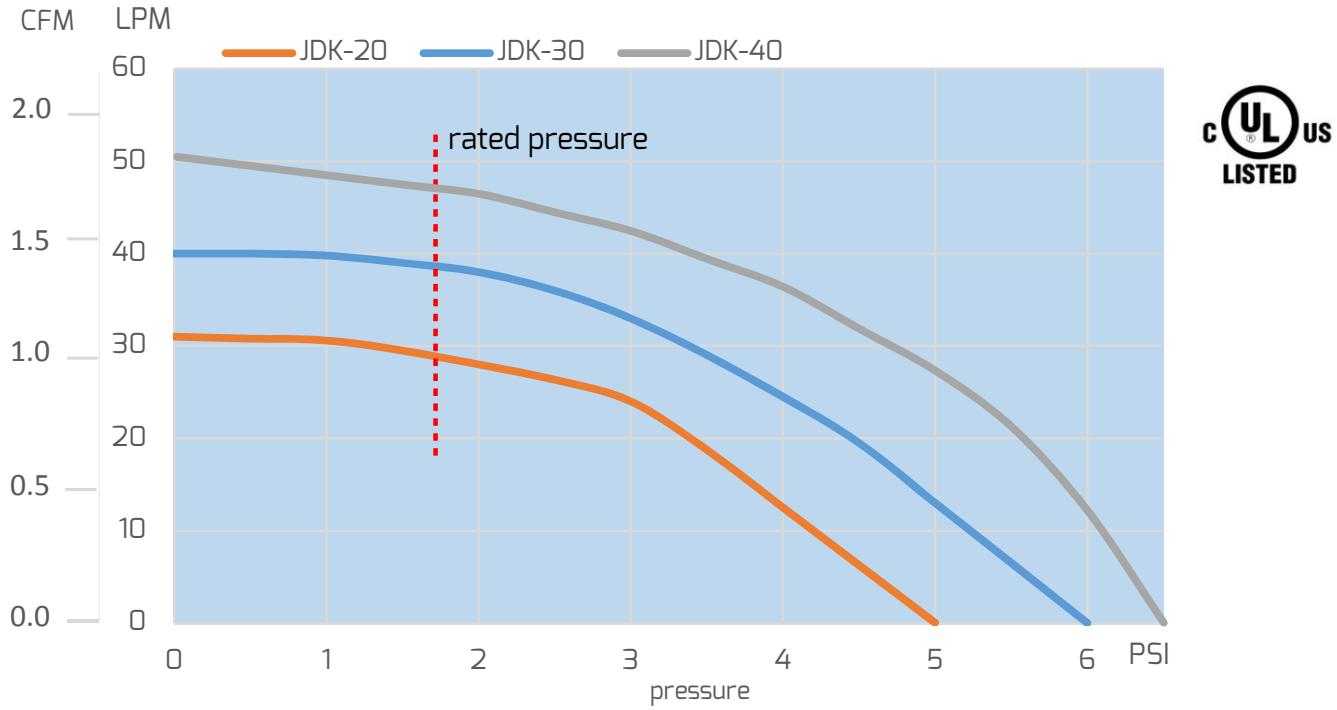
Model	Voltage AC	Frequency HZ	Outlet Diameter Inch / mm	Airflow*		Power* (Watts)	Sound dB(A)**	Rated Pressure (PSI)	Max Pressure (PSI)	Net Weight	
				CFM	LPM					Lbs	kg
JDK-20	110/115	50 /60	0.75 / 19	1.0	28	23	36	1.7	2.9	9.5	4.3
JDK-30	110/115	50 /60	0.75 / 19	1.3	38	35	38	1.7	2.9	9.5	4.3
JDK-40	110/115	50 /60	0.75 / 19	1.6	46	43	40	1.7	2.9	9.5	4.3

* Airflow and power measured at rated pressure

Specifications are subject to change without notice

**Sound measured at 1 M

Performance Curves



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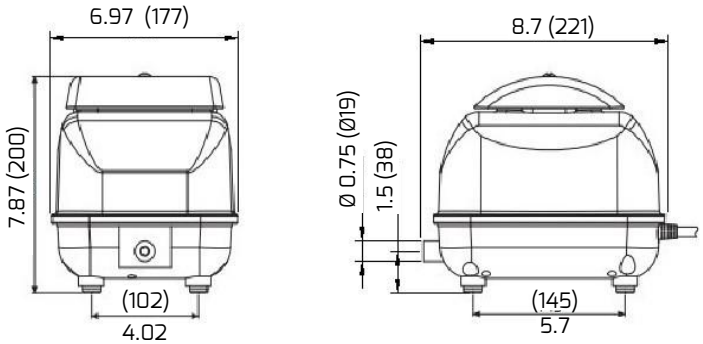
Dimensions Inches (mm)

SEOH



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JDK-60-80-100-120

Technical Data

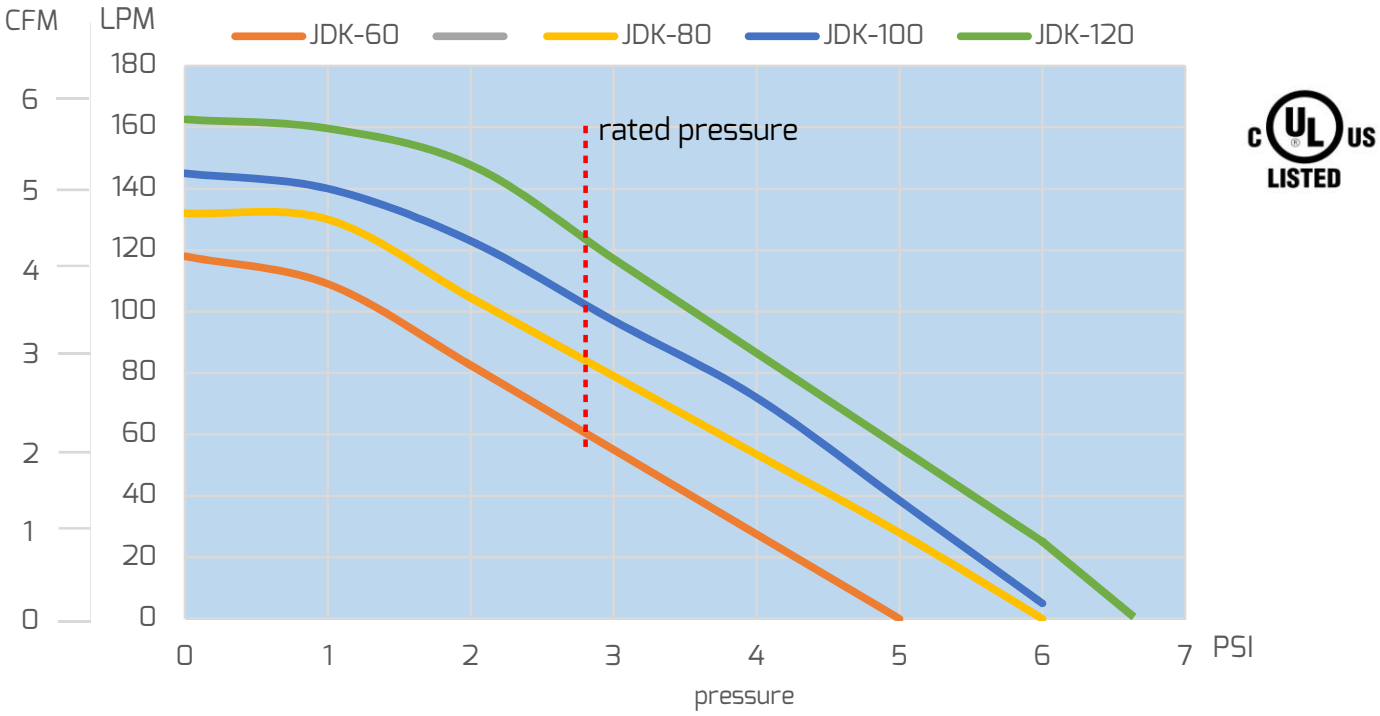
Model	Voltage AC	Frequency HZ	Outlet Diameter Inch / mm	Airflow*		Power* (Watts)	Sound dB(A)**	Rated Pressure (PSI)	Max Pressure (PSI)	Net Weight	
				CFM	LPM					Lbs	kg
JDK-60	120	60	0.75 / 19	2.3	65	45	36	2.9	3.6	14.3	6.5
JDK-80	120	60	0.75 / 19	3.0	85	65	38	2.9	3.6	14.3	6.5
JDK-100	120	60	0.75 / 19	3.5	100	80	44	2.9	3.6	14.3	6.5
JDK-120	120	60	0.75 / 19	4.2	120	100	46	2.9	3.6	14.3	6.5

* Airflow and power measured at rated pressure

**Sound measured at 1 M

Specifications are subject to change without notice

Performance Curves



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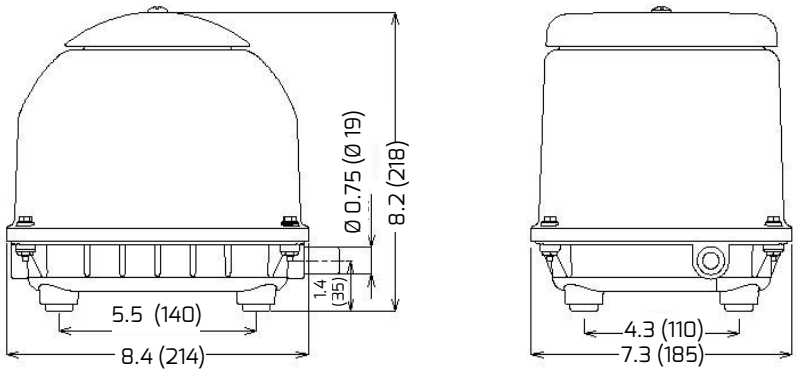
Dimensions Inches (mm)

FPZ BLOWER TECHNOLOGY



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Technical references

Operating pressure

Consult FPZ when the pump is operating continously over the rated or max pressure. The life of the diaphragms and valves may be shortened by overheating due to excess pressure.

Duty cycle

The pumps are designed for continuous operation at rated pressure. Consult our distributor in case of intermittent operation.

Life of the pump

The working life of pump depends on the operating conditions such as duty cycle, operating pressure or vacuum, ambient temperature, air quality, ventilation, maintenance, etc. In general, the cooler the pump is kept, the longer the service life.

Insulation class

All models have class "E" insulation which corresponds to a temperature limit of 248 degrees F (120 degrees C).

Ambient temperature

The ambient temperature range should be from 14 to 104 degrees F (from -10 to 40 degrees C).

Overload protection

The JDK series is supplied with a thermal overload protector for coil protection.

Auto-stopper

The JDK series is supplied with a protection switch which stops pump operation in case of a diaphragm breakage to protect magnet and coils. This switch can be reset without any additional parts.

Installation

The pump must be installed above the water level. If the pump is set below, the back-flowing water can cause an electrical short circuit.

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Other Products From FPZ

FPZ has been producing regenerative blowers since 1975. Our mission today remains the same as then: to provide the best in blower technology at competitive prices, backed by prompt and complete service.

FPZ is proud of the fact that regenerative blowers are our only product. With this singular focus, we bring the latest in regenerative blower technology and manufacturing expertise to our line.

FPZ blowers incorporate design features resulting in higher power-to-performance ratios, lower sound emissions, compact size and decreased weight. In addition, most blowers are mountable in any plane and have optional intake / exhaust locations, providing further installation flexibility.

Headquarters *(Milan, Italy)*

U.S.A. Facility *(Saukville, Wisconsin)*

With the primary ISO 9001 accredited manufacturing facility located outside Milan Italy and subsidiary operations in France, Austria,United Kingdom, Spain, Mexico and the U.S.A. FPZ looks forward to be of service and to introduce you further to

The FPZ Difference.

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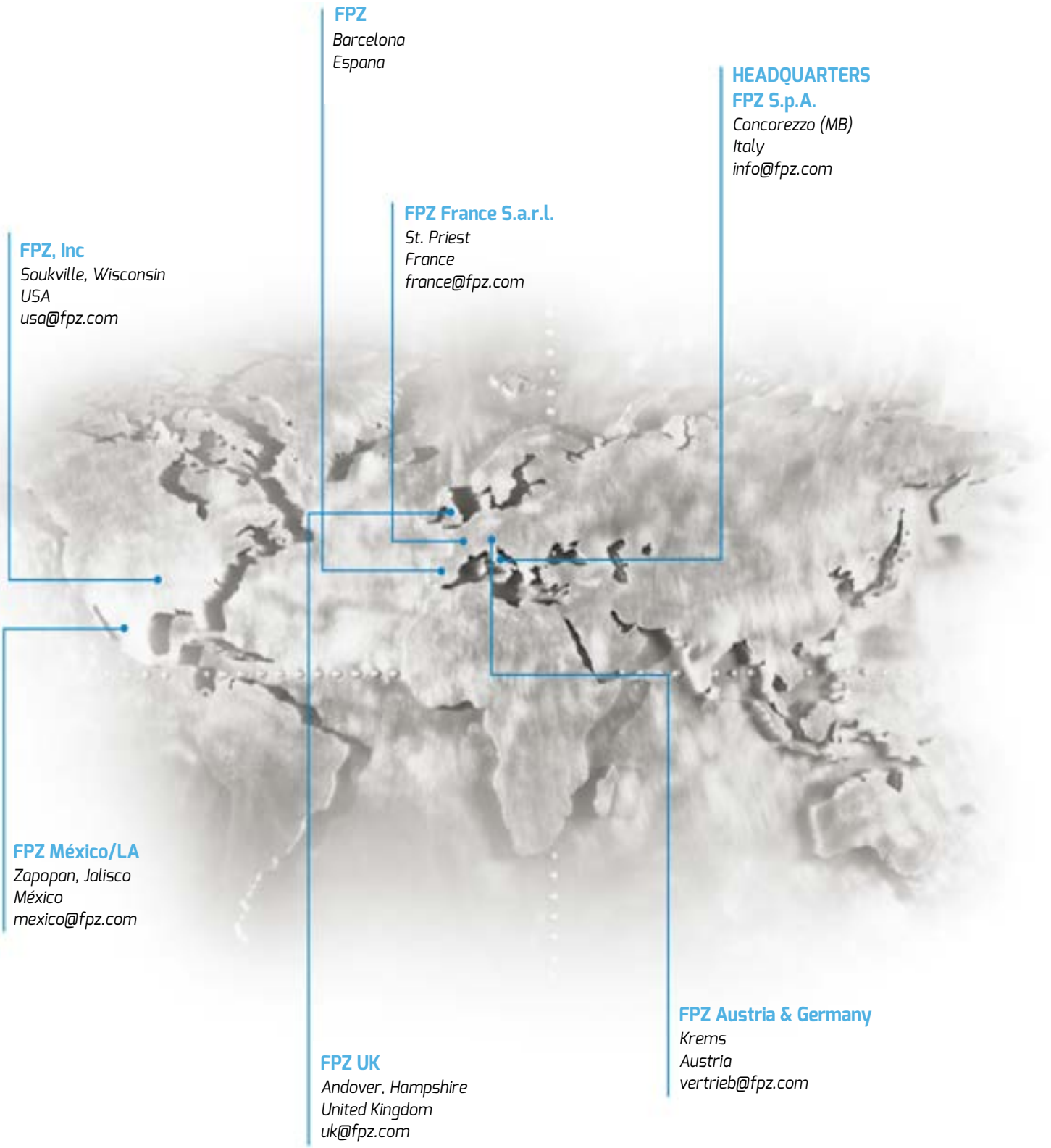

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