



Made in the USA

Knowledge and experience obtained from **OVER 55 YEARS** has resulted in an assembly designed and constructed **TO EXACTING QUALITY STANDARDS** while providing a long operating life, minimum maintenance and low operating costs.



# KOBELCO® KNW SERIES

## OIL-FREE, RISK-FREE ROTARY SCREW DESIGN

John Henry Foster (JHFoster) is well aware that in today's competitive global economy, efficiency and reliability are not only expected, but demanded. In order to meet this expectation, JHF is pleased to introduce the Kobelco® KNW Series of oil-free rotary screw compressors.

The Kobelco® KNW Series oil-free rotary screw compressor is designed, manufactured, and tested in the USA and delivered ready for operation. They offer exceptional performance and design flexibility for plant and process air applications such as food and beverage, electronics, medical, university, power generation and petro chemical. Since the first compressor became available in 1955, Kobelco® KNW Series has stayed one step ahead of the competition with constant innovation and dedication to quality.

### KEY ADVANTAGES:

#### 100% OIL-FREE AIR

The two stage rotary screw compressor provides completely oil-free air since no oil is allowed in the compression chambers.

#### MOST EFFICIENT

Both compression stages employ a patented Super Rotor profile, which is acknowledged to be the most efficient in the industry. This new asymmetrical rotor profile provides the lowest power consumption per cubic foot of compressed air.

#### RELIABILITY

Precision machined timing gears are mounted on each rotor shaft to maintain accurate clearances between the rotors. The thrust and radial bearings are anti-friction type for long life and smooth operation.

#### LOW INSTALLATION COST

Conveniently located utility connections provide quick and easy installation. Units are thoroughly factory tested prior to

shipment.

Air or water-cooled models are available.

### ALLEN-BRADLEY PLC

The state-of-the-art programmable logic controller maximizes operating efficiency and versatility. It initiates and sequences the proper events during start-up, operation and shutdown and monitors system functions, safety devices and instrumentation. Programs can be changed to meet various plant requirements.

### TOUCHSCREEN DISPLAY WITH GRAPHICS

Complete status indication is displayed continuously during operation while in stand-by mode or after emergency shutdown. The discrete push buttons and lights offer quick indication of operating status.

The partnership of JHF and Kobelco® KNW Series is committed to delivering superior oil-free rotary screw compressor technology with local sales and service capability. As a leading supplier in Minnesota, North and South Dakota, JHF has been



Standard air-cooled assembly with Allen-Bradley VFD



Our goal at JHF continues to be our dedication to serve clients with the most cutting-edge products available on the market. We bring customized client solutions in consistency, reliability, and profitability, while continuing to demonstrate our tradition of the latest industry trends and solutions in world-class compressed air system design and control. With over 70 years of experience in compressed air system design and automation, we are uniquely qualified

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Automation Robotics Compressed Air Service



**KOBELCO® KNW SERIES**  
sets new industry standards  
in design and performance.



# Oil-Free Compressors

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