

ROTARY SCREW VACUUM PUMPS

KRVP Series

Simple, Efficient, Reliable Vacuum Systems

Fixed or Variable Speed ■ Lubricant-Injected ■ Single-Stage
15-250 Horsepower ■ Air- and Water-Cooled
15" to 29.9" HgV Continuous Operation



ROGERS® KRVP Series Rotary Screw Vacuum Pumps

Vacuum Pump Features

Inlet Filter/ Silencer

Low-pressure drop, high-capacity design. Easy access for element service.

Heat Exchanger

Air- or water-cooled lubricant cooler available. Air-cooled units are provided with standard VFD-controlled fan to optimize temperature and reduce power consumption.



Pressure Sensitive Air Feed at the End of Compression

Increases vacuum level, reduces discharge noise and vibration and improves airend reliability.

Air/Lubricant Separator

High efficiency, reliable separation reduces lubricant carryover.

Motor

NEMA frame, premium efficient, C-Flange, ODP motors. TEFC and inverter duty are available.

Heavy-Duty Sound Enclosure

Provides quiet operation. Powder-coated frame and removable panels provide easy access for maintenance.

Airend

Designed and built for high performance and longevity. Direct driven with no gears up to 3,600 RPM.

Integrated Lubricant Pump

Maintains essential lubricant flow throughout operating conditions and during startup.

Inlet Control Valve

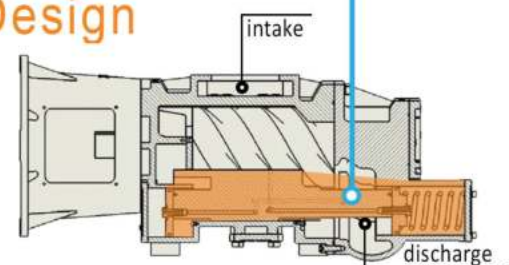
Designed for reliable, efficient capacity control.



ROGERS® delivers an ecologically friendly, energy-efficient compressor and vacuum pump design.

Innovative Flexible Discharge Port Airend Design

Variable discharge port optimizes efficiency by reducing power consumption and startup torque while maximizing pumping speed over the entire range of inlet operating pressures. This simple and patented advanced feature does not require complicated electrical controls and is accomplished mechanically using internal pressure.



KRVP Series Performance Data

| Model | Motor HP | Speed RPM | Fixed Speed Capacity ACFM | Variable Speed Capacity ACFM | End Vacuum "HgV |
|----------|----------|-----------|---------------------------|------------------------------|-----------------|
| KRVP-15 | 15 | 2,700 | Not available | 140 - 206 | 29.9 |
| KRVP-20 | 20 | 3,600 | 274 | 140 - 274 | 29.9 |
| KRVP-30 | 30 | 3,600 | 442 | 226 - 442 | 29.9 |
| KRVP-50 | 50 | 3,600 | 715 | 365 - 715 | 29.9 |
| KRVP-60 | 60 | 3,600 | 1,030 | 526 - 1,030 | 29.9 |
| KRVP-75 | 75 | 3,600 | 1,277 | 652 - 1,277 | 29.9 |
| KRVP-100 | 100 | 3,600 | 1,572 | 802 - 1,572 | 29.9 |

CONTACT FACTORY REPRESENTATIVE FOR MORE INFORMATION ON KRVP-125, KRVP-150, AND KRVP-250 MACHINES.

KRVP Series Equipment

Standard Equipment

- Heavy-duty sound enclosure
- Air inlet filter
- C-Flange, NEMA frame, ODP main motor
- CSA-US listed control panel
- Modulating, full-closure inlet control valve
- Separator pressure gauge
- Temperature regulating valve
- VFD controlled air-cooling fan
- High-temperature shutdown switch
- ROGERS CLS-Plus lubricant
- Positive displacement lubricant pump
- Lubricant filter
- Fluid level sight glass
- Cabinet cooling fan on water-cooled units

vGOAT Control Panel

- Microprocessor control with a digital display for operating parameters and alerts.
- Auto-restart after power failure
- Automated scheduling and sequencing



Available Options

Accessories may be recommended for various applications.

- Inlet separators and process specific filtration
- Vacuum receivers
- Exhaust filters
- Vacuum gauges
- System automation controls for multiple units
- NFPA 99 control package
- Main Motor VFD



Serving the United States and
International Markets With
Compressed Air, Blowers,
Pumps and Vacuum Solutions
Since 1949



Centralia Branch Office, Production and Warehouse Facilities Centralia, WA

K Series

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ROGERS® **K Series** is designed
and built in the USA.

ROGERS® K Series family of compressors and vacuum pumps



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Please recycle after using.