

KINNEY®

Rotary Piston Vacuum Pumps

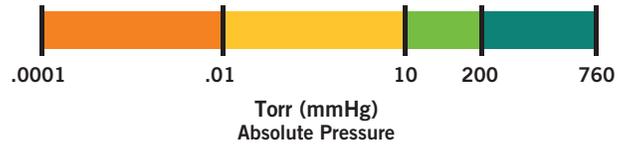
Kinney® Rotary Piston Pumps



Rotary Piston Pumps

Kinney rotary piston pumps are known for being some of the most rugged, reliable equipment capable of handling especially dirty processes. Kinney provides a 30-month warranty on all rotary piston pump models.

Vacuum Pumps Product Key



KT Single-Stage Rotary Piston Pump

- High pumping capacity at high and low pressures
- Triplex piston design: dynamically balanced and practically vibration free
- No metal-to-metal contact between pump piston and cylinder clearances are filled with oil
- Quiet operation

TYPICAL APPLICATIONS

» Heat Treating » Coating » Transformer Drying » Metallurgy

KT models include an integral, positive pressure lubrication system to insure reliable lubrication at all pressure levels. KT pumps are water-cooled. Optional air-cooling systems are available. Adjustable gas ballast valves are standard for handling water and other vapor loads. Optional factory-mounted oil filtration system lowers maintenance costs and increases uptime.



Single-Stage Oil-Sealed Rotary Piston

VIRTUALLY VIBRATION FREE OPERATION

Kinney Triplex Piston design offers dynamically balanced pistons making a virtually vibration free pump. As a result of these extremely low vibration characteristics, the installation cost of KT pumps are lower than those of conventional pumps.

Model	CFM / m3/hr	60Hz HP / 50Hz kW
KT-150C	150 / 255	7.5 / 6
KT-300D	400 / 510	15 / 11
KT-500D	500 / 850	30 / 22
KT-850D	778 / 1322	40 / 30



KC and KTC Two-Stage Rotary Piston Pumps

- Recommended for applications where operating pressure is below 0.1 Torr (0.13 mbar)
- Achieve lowest possible pressures from mechanical pumps
- No metal-to-metal contact between pump piston and cylinder clearances are filled with oil
- Unequaled durability, even in dirty applications

TYPICAL APPLICATIONS

- » **Liquid Gas Storage** » **Brake Fluid Filling** » **Silicon Crystal Growing** » **Evacuation**
(Refrigeration Systems)

KC and KTC pumps are air-cooled. KTC-112 is water-cooled with optional air-cooling systems. Adjustable gas ballast valves are standard for handling water and other vapor loads. KTC pumps feature triplex piston design: dynamically balanced and practically vibration free.



Two-Stage Oil-Sealed Rotary Piston

Model	CFM / m3/hr	60Hz HP / 50Hz kW
KC-5	5 / 8.5	0.33 / 0.25
KC-8	8 / 13.6	0.75 / 0.56
KC-15	15 / 25.5	1 / 0.75

Model	CFM / m3/hr	60Hz HP / 50Hz kW
KTC-21	21 / 36	1.5 / 1.1
KTC-60	60 / 102	3 / 2.2
KTC-112	107 / 182	7.5 / 5.6

KD and KDH Single-Stage Duplex Rotary Piston Pumps

- Absolute pressures down to the low micron range
- Belt-driven, low-speed rotary piston pumps
- No small orifices to plug up
- No metal-to-metal contact between pump piston and cylinder clearances are filled with oil
- Adjustable gas ballast permits handling of condensible vapors
- KD pumps are air-cooled. KDH pumps are water-cooled.

TYPICAL APPLICATIONS

- » **Drying Chambers** » **De-gasifiers** » **Filling Machinery** » **Evacuation**
(Process Chambers)

Kinney stands by its 100+ years of quality and durability in vacuum pump technology by offering the longest rotary piston pump warranty in the industry - 30 months!



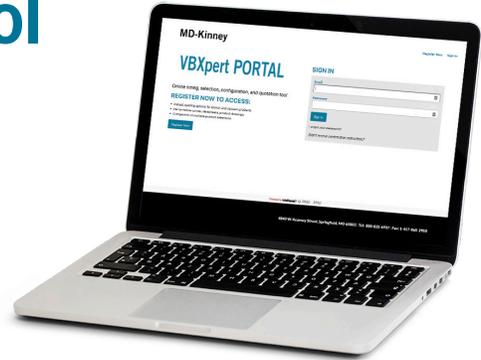
Single-Stage Duplex Oil-Sealed Rotary Piston

Model	CFM / m3/hr	60Hz HP / 50Hz kW
KD-30	33 / 56	1.5 / 1.11
KD-50	52 / 88	2 / 1.5

Model	CFM / m3/hr	60Hz HP / 50Hz kW
KDH-130	134 / 227	5 / 3.7
KDH-150	165 / 280	7.5 / 5.6

VBXpert Online Sizing Tool

Gain online access to the most useful tool available for blower and vacuum sizing and selection! The easy-to-use interface prompts you to plug in technical specifications for your application and quickly calculates the best MD-Kinney product for you. Learn more at www.md-kinney.com.



KINNEY VACUUM

KV Lubrication

Kinney vacuum products are known worldwide for superior quality and performance. Superior quality and performance vacuum pumps require a lubricant explicitly designed to support highly efficient and dependable process operation. Kinney lubricants are specifically formulated for Kinney products and is the only lubricant recommended to ensure the highest quality of performance.

Service and Repair

MD-Kinney Springfield, Missouri, USA is here to help. Call 1-800-825-6937 or visit us online at www.md-kinney.com to be connected to a MD-Kinney application engineer.



Factory Certified Service & Repair Centers

MD-Kinney also has a network of Factory Certified Service Centers offering local support to our customers. All centers are staffed with factory-trained personnel to ensure your equipment performs to factory specifications. KVO Series repairs are only available via an Factory Certified Service Center.

TO FIND YOUR NEAREST FACTORY CERTIFIED SERVICE CENTER CALL US DIRECTLY AT 1-800-825-6937.



KINNEY®

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