KVA
ROTARY VANE VACUUM PUMP
KVA
The KVA’s simple design ensures the reliability and the durability that is required in the vacuum industry. Customers choose Tuthill for competitive pricing, local distribution and service, and superior customer service.

Customer Benefits
Oil-sealed rotary vane vacuum pumps are simple, quiet, and efficient, offering a very attractive $/CFM ratio when compared to other technologies. KVA pumps can last for years with proper maintenance, but are also affordable enough that they can be periodically replaced when used in toxic conditions.

Tuthill’s KVAs are used in a variety of applications, such as holding and lifting, printing, central vacuum systems, thermoforming, bottle evacuation, milking systems, food packaging, vacuum extrusion, and more.

Features
- Short lead times; all standard pump and motor combinations are stocked in Springfield, Missouri
- Non-metallic vanes
- Oil level sight glass
- Vibration isolators
- Anti-suck back valve
- Integral exhaust filters
- Gas ballast valve
- TEFC high efficiency motor / Class I, Div II, Groups A, B, C, D
- Models KVA 25-630 include spin-on oil filter and gas ballast valve

Improved Performance
The performance of the KVA rotary vane vacuum pump has been optimized to provide even deeper vacuum levels than before. Most models can achieve ultimate pressure levels near 0.1 mbar.

Rugged and Reliable
Tuthill has built a global reputation for having some of the most rugged and reliable equipment in the industry. The KVA rotary vane vacuum pump is no exception and has many years of proven application experience.

Compact and Quiet
The small footprint of the KVA pump allows for maximized tabletop and floor space. A smooth and quiet operation can be expected due to the intentional pump design and vibration isolation.

Easy to Maintain and Operate
The KVA has been engineered to provide convenient service access to both the oil and filters. Its direct-coupled and air-cooled design requires very little additional maintenance. Maintenance and repair kits, along with replacement pump modules, filters, and vanes, are kept in stock in Springfield, Missouri to minimize your downtime.

Standard Gas Ballast Valve
Tuthill realizes that our customers want a pump that can handle water vapor without needing to buy expensive add-on components or modify the product they purchase. Therefore, models KVA 25-630 pumps come with a gas ballast valve as a part of our standard offering.

Accessories
- Various in-line inlet filters
- Exhaust filters and replacement gaskets
- Kinney® KV-100 or S500 vacuum oil for standard and severe service
- Oil filters
- Thermal switches
- Vacuum switches
- Gauges, exhaust filters, inlet and relief valves, fittings
### Specifications

<table>
<thead>
<tr>
<th></th>
<th>KVA12</th>
<th>KVA21</th>
<th>KVA25</th>
<th>KVA40</th>
<th>KVA63</th>
<th>KVA100</th>
<th>KVA160</th>
<th>KVA250</th>
<th>KVA400</th>
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*KVA 12-25 also available with single-phase motor. All KVA motors are Protection Category Class I, Division II, Groups A, B, C & D.

### Custom Engineered Systems

Tuthill has a knowledgeable team of vacuum application experts who can design a complete vane pump vacuum system that is tailored to your needs. These systems can range from tank- or skid-mounted central vacuum systems, to pairing our industry-leading M-D Pneumatics™ vacuum boosters to a KVA pump, which more than doubles pump-down speed while providing a deeper ultimate vacuum level.
VBXpert Vacuum & Blower Sizing Tool

Gain access to the most useful tool available for blower sizing and selection! This easy-to-use interface prompts you to plug in technical specifications for your application and quickly calculates the best Tuthill product for you. Find out more at www.tuthillvacuumblower.com.

Service & Repair

The Tuthill CARE Center in Springfield, Missouri, USA is here to help with start-up assistance, repair and warranty work, and remanufactured product sales. Call 1-800-825-6937 to be connected to a Tuthill CARE technician. Tuthill has a network of authorized CARE Centers offering local service to customers. All centers are staffed with factory-trained personnel to ensure that your equipment performs to factory specifications. A listing of authorized Tuthill CARE Centers is available at www.tuthillvacuumblower.com.