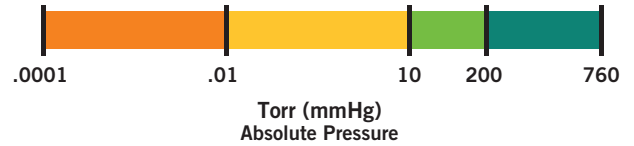


Engineered Solutions

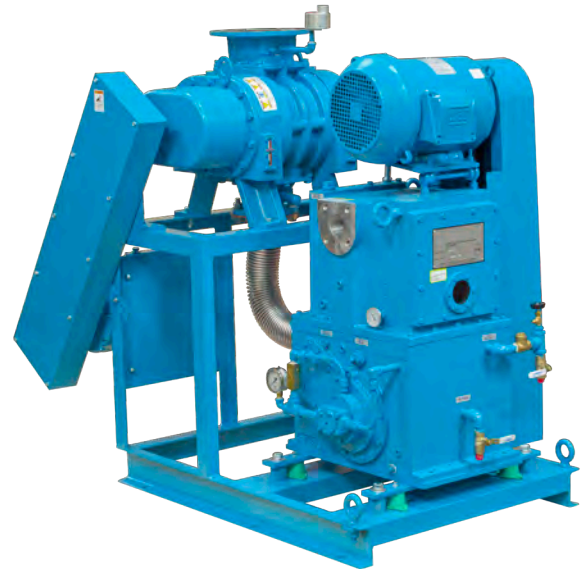
Kinney offers 100+ years of engineering experience and solid, hands-on care to every engineered project. Customers work directly with a project manager to develop custom solutions that efficiently meet the needs of the application.

Vacuum Pumps Product Key



Booster/Rotary Piston Vacuum Pumping Systems

- Pump high volumes at very low pressure
- High-capacity dry rotary lobe vacuum booster is matched to a smaller rotary piston vacuum pump
- For continuous operation below 1 Torr (1.3 mbar a), booster can increase pumping speed by a factor of 10 or more
- For operation at higher pressure with faster evacuations, booster may be approximately 2x the capacity of piston pump
- Performance ranges 200-12,000 CFM (340-20,388 m³/h) with ultimate vacuum levels as low as 0.2 microns
- Conventional system options:
 - » Direct driven or V-belt driven boosters
- Compact systems with close-coupled boosters are available
- Creates a higher capacity system with economy of scale



TYPICAL APPLICATIONS

- » Transformer Oil Drying
- » Vapor Coating
- » Vacuum Packaging
- » Vacuum Furnaces



Booster/Liquid Ring Vacuum Pumping Systems

- Ideal for pumping wet gas mixtures at low pressures
- Oil-filled systems avoid problems with corrosive contaminants and sealant liquid vapor pressures at higher temperatures
- Process liquid-filled systems prevent contamination of process gases with either water or oil

TYPICAL APPLICATIONS

- » Vapor Recovery
- » Chemical Processing
- » Dryers & Evaporators

A variety of two and three-stage systems are available, complete with instrumentation, condensers, partial or complete sealant liquid recovery and recirculation, piping, and valves.

