

Vickers Vane Pumps and Motors

Eaton's Vickers products are known for high efficiency fixed pumps with low noise. These products have been optimized for both mobile and industrial markets. Their modular designs allow for flexibility in displacement, mounting, and port options. A cartridge kit design feature allows for easy repair and interchangeability between pumps.

Other manufacturers may produce pumps that look like Eaton's Vickers products; that's intentional. But none of them can match their endurance, reliability, warranty or performance.



Features and Benefits:

V10/V20 Series

- Low displacement/lower pressure
- Compact and economical for both mobile and industrial applications
- Integral valve options help reduce size and cost
- Balanced pressure-induced radial loads leads to longer bearing life
- Efficient design produces extra horsepower for your investment

V/VQ Series

- Medium to high displacement with double / triple pumps and medium pressures
- Industrial (V series) and Mobile (VQ) applications
- Cartridge kit design for ease of repair
- The industry standard
- Cold start capability

VMQ Series

- Highest potential displacements and pressures in portfolio
- Mobile and industrial applications
- Cold start capability
- Cartridge kit design for ease of repair

Vane Motors

- Economical alternative to piston technology for medium to low pressure industrial applications
- Noise and efficiency benefits over gear motors displacement products
- Heavy duty bearings



Vickers Vane Pumps and Motors



V10/V20

Time proven dependable, durable, quiet and most economical vane pumps. They are the premium fixed pump choice as the main system pumps for small industrial and mobile equipment or as pilot and auxiliary pumps for complex systems.

Specifications

- Speeds 2400-4800 (size dependent)
- Pressures up to 172 bar (2500 psi) (size dependent)
- Displacements:
V10: 3-23 cm³/(0.18-1.40 in³/r)
V20: 23-41 cm³/(1.40-2.5 in³/r)
- Double pump capable



V/VQ Series

The V series vane pumps are the pioneers of cartridge-design vane pumps. They are well known for long operating life, outstanding efficiency, flexible configuration and easy serviceability.

Specifications

- Speeds: 1800 for V, up to 2700 for VQ
- Pressures up to 210 bar (3000 psi) (size/type dependent)
- Four frame sizes (20, 25, 35, and 45)
- Displacements range from 7 to 193 cm³/(0.4-12 in³/r)
- Single, double, and thru-drive pumps



VMQ Series

The VMQ series of vane pumps is the pump that can do it all. Used in both mobile and industrial applications, the VMQ is designed for the highest pressure and displacement systems.

Specifications

- Speeds up to 3000 rpm
- Pressures up to 293 bar (4200 psi) (size dependent)
- Three frame sizes (25, 35, and 45)
- Displacements range from 10 to 268 cm³/(0.61-16.3 in³/r)
- Single, double, triple, and thru-drive pumps



Vane Motors

The M2U, M2-210 and M vane motor series are standards in the industry. The proven reliability and the available cartridge kit designs make for uptime easy serviceability.

Specifications

- Speeds up to 3600 rpm
- Pressures up to 155 bar (2300 psi) (size dependent)
- Four frame sizes (25, 35, 45, and 50)
- Torque range: 118-850 Nm (1050 to 7500 lb-in)
- Heavy duty shaft bearing available

