

Piston Pumps - Selection

420 Series Open Circuit Piston Pumps

- Applications: Mobile
- Pressure Rating: Up to 320 Bar intermittent
- Displacement: From 41 to 62 cc/rev
- Speeds: Up to 2750 rpm
- Control Options: Pressure Compensation, Load Sensing
- A strong proven rotating group allows the 420 series to handle pressures to 280 bar (4000 psi) continuous and 320 bar (4600 psi) intermittent – with less maintenance cost. High load bearings and a stiff drive shaft help provide a pump B10 bearing life of 3320 hours at rated mobile conditions, reducing operating costs and extending operating life.



PVM Series Open Circuit Piston Pumps

- Applications: Mobile or Industrial
- Pressure Rating: Up to 320 Bar intermittent
- Displacement: From 18 to 141 cc/rev
- Speeds: Up to 2800 rpm
- Control Options: Pressure Compensation, Load Sensing, Industrial Control
- A strong proven rotating group allows the pumps to handle pressures to 280 bar (4000 psi) continuous and 320 bar (4600 psi) intermittent – with less maintenance cost. High-load bearings and a stiff drive shaft help provide a pump life of 5000 hours at rated mobile conditions, reducing operating costs and extending operating life.



PVH Series Open Circuit Piston Pumps

- Applications: Mobile or Industrial
- Pressure Rating: Up to 250 Bar continuous
- Displacement: From 57 to 131 cc/rev
- Speeds: Up to 2400 rpm
- Control Options: Pressure Compensation, Load Sensing, Torque Limiting, Industrial Control
- These are efficient, reliable pumps, with a selection of optional controls for maximum operational flexibility.
- Designed specifically for strenuous application, they provide the productivity gains and controllability improvements desired in earthmoving, construction, machine tool, plastics, and all other energy-conscious markets.



PVQ Series Open Circuit Piston Pumps

- Applications: Industrial
- Pressure Rating: Up to 210 Bar continuous
- Displacement: From 10.5 to 45 cc/rev
- Speeds: Up to 1800 rpm
- Control Options: Pressure Compensation, Load Sensing, Remote Control
- PVQs operate at quietness levels that meet today's demanding industrial conditions.
- The PVQ series is capable of operating with many types of hydraulic fluid. Water-content and phosphate ester fluids can be accommodated, in addition to the typical petroleum based and synthetic fluids.



PVE Series Open Circuit Piston Pumps

- Applications: Mobile
- Pressure Rating: Up to 210 Bar continuous
- Displacement: From 25 to 45 cc/rev
- Speeds: Up to 3000 rpm
- Control Options: Pressure Compensation, Load Sensing, Remote Control
- PVE piston pumps are in-line variable displacement pumps that are available in three sizes. An assortment of optional controls offer maximum operating flexibility.



Vickers Hydrokraft™ - Open Circuit Piston Pumps

- Application: Industrial
- Pressure Rating: Up to 420 Bar Intermittent
- Displacement: From 66 to 750 cc/rev
- Speeds: Up to 1800 rpm
- Axial piston pumps with swash plate design for reliable operation and long life.
- Building block™ design gives these pumps a wide range of application. Oversize shafts and bearings.
- Rotating and pressure loaded parts are pressure balanced. Fast response times. Quiet operation



Vickers Hydrokraft™ - Closed Circuit Piston Pumps

- Application: Industrial
- Pressure Rating: Up to 420 Bar Intermittent
- Displacement: From 66 to 750 cc/rev
- Speeds: Up to 1800 rpm
- Axial piston pumps with swash plate design for reliable operation and long life.
- Building block™ design gives these pumps a wide range of application. Oversize shafts and bearings.
- Rotating and pressure loaded parts are pressure balanced. Fast response times. Quiet operation

