



CHARACTERISTICS

These vane pumps have been specially designed for high/low circuit. The combination of different cartridges in double and triple pumps allows low flow at high pressure (300 bar max.) and high flow at lower pressure. This is a clever way to optimize your circuit design.

This pump feature will also allow a very fast pressure cycle change with a very precise flow repeatability.

GREATER FLOW

B : 5,8 to 50,0 ml/rev.
C : 10,8 to 100,0 ml/rev.
D : 44,0 to 158,0 ml/rev.
E : 132,3 to 268,7 ml/rev.

HIGHER PRESSURE

B : 320 bar max. (300 bar for multiple pump).
C : 275 bar max.
D : 280 bar max. (250 bar for multiple pump).
E : 240 bar max.

WIDE SPEED RANGE

Industrial pumps : from 600 to 3600 RPM

BETTER EFFICIENCY

Over 94 % under high pressure, which increases productivity and reduces heating and operation costs.

LOW NOISE LEVELS

Increase operator safety and acceptance.

MOUNTING FLEXIBILITY

Single pumps : 4 positions.
Double pumps : 32 positions.
Triple pumps : 128 positions.

CARTRIDGE DESIGN

Provides for drop-in assemblies. They permit easy conversion and service.
B and D cartridges : bi-directional
C and E cartridges : Uni-directional.

WIDE RANGE OF ACCEPTABLE VISCOSITIES

Viscosities from 860 to 10 cSt permit colder starts and hotter running. The balanced design compensates for wear and temperature changes. At high viscosity or cold temperature, the rotor to side plates gap is well lubricated and improves mechanical efficiency.

FIRE RESISTANT FLUIDS AND BIODEGRADABLE FLUIDS

Including phosphate esters, organic esters, chlorinated hydrocarbons, water glycols, rapeseed may be pumped at higher pressures and with longer service life by these pumps.

GENERAL APPLICATIONS INSTRUCTIONS

1. Check speed range, pressure, temperature, fluid quality, viscosity and pump rotation.
2. Check inlet conditions of the pump, if it can accept application requirement.
3. Type of shaft : if would support operating torque.
4. Coupling must be chosen to minimize pump shaft load (weight, misalignment).
5. Filtration : must be adequate for lowest contamination level.
6. Environment of pump : to avoid noise reflection, pollution and shocks.