

PISTON PUMPS

Yuken offers low noise/high efficiency, swash plate type variable displacement piston pumps. These pumps have been developed by Yuken's leading hydraulic engineers and provide a diverse line up to meet a wide range of application requirements.

ARL1 Series Piston PumpsP5

- Compact and Lightweight
- Low Noise
- Cover for small displacement from 6.2 to 16.3 cm³/rev

AR Series Variable Displacement Piston PumpsP15

- Compact
- Low Noise
- High Reliability

A Series Variable Displacement Piston PumpsP25

- A variety of control methods are supported
Eleven types of unique control methods are available. These control types range from standard pressure compensator control to proportional solenoid pressure/flow control which integrate amplifiers and sensors.
- Available in a wide range of displacements from 10 to 219 cm³/rev

A3H Series High Pressure Variable Displacement Piston PumpsP115

- Variable displacement piston pumps offer high pressure, high performance in a simple and compact package.
- High Pressure: 35 MPa
 - High volumetric efficiency
These pumps maintain a high volumetric efficiency, even at a pressure of 35 MPa.
 - Available in a wide range of displacements
Seven models are available in displacements ranging of 16.3 to 180.7 cm³/rev.

A3HG Series High Pressure Variable Displacement Piston PumpsP153

- Wide assortment of models to ensure interchangeability with pumps available on the global market
European models: Compatible with ISO3019-2,
North American models: Compatible with SAE J744
Standard models are available with keyed or splined shaft end.
- Wide displacement range and high volumetric efficiency
While inheriting the high performance of A3H series pumps, A3HG series pumps feature higher rated pressure design (31.5 MPa).
- Through drive supplied as standard

AZH Series High Pressure Variable Displacement Piston PumpsP207

- High Pressure-Large Volume Displacement
Adding to current A3H series, 180 and 270 cm³/rev displacement with rated pres. 35MPa, Max. Pres. 40MPa pumps are now available.
- Optional Through Drive
Optional through drive allows an auxiliary or outboard pump (SAE Standard) to be directly mounted.
- Fire-Resistant Fluids
Water-Glycols and Polyol Ester Type are applicable under certain condition.

PAL PUMPS & M Series Electric MotorsP209

- PAL PUMPSP210
Integrated construction of Variable Displacement Piston Pump and Electric Motor innovated compact size and Lower Noise system.
- **M** SERIES ELECTRIC MOTORSP212

ASR Series AC Servo Motor Driven PumpsP215

- Energy Saving
Power consumption less than half that of hydraulic machines and equivalent to that of full electric machines, with reduced.
- Low Noise
- High Performance
Special high power servo motor (SPM) and variable displacement piston pump → Improved ultralow speed molding & continuous pressure holding performance and excellent repeatability.

ASE Series AC Servo Motor Driven PumpsP239

- Space saving/Compactness
Integrated motor pump unit.
- Low Noise
- Reduced electrical noise
Using environmentally friendly EMC filter.

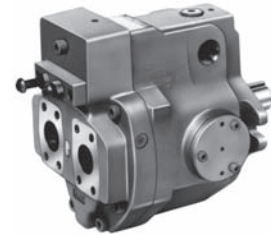
Caution : In the case of Water Glycol fluids, a slight oil leak occurs from the shaft seal part.
(Criterion : 500 ml/6 months of oil leakages.)
Install a tray appropriate capacity on the pump-base, please.



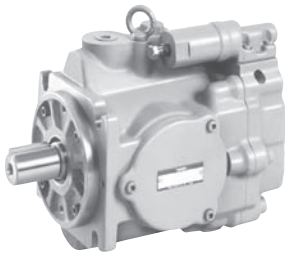
ARL1 Series Piston Pumps



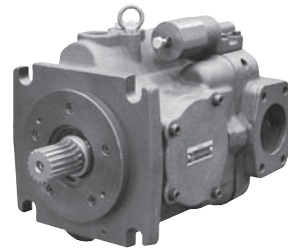
AR Series
Variable Displacement Piston Pumps



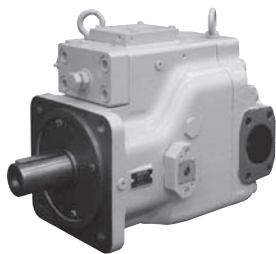
A Series
Variable Displacement Piston Pumps



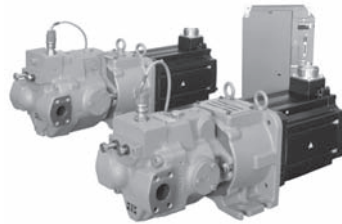
ASH Series High Pressure
Variable Displacement Piston Pumps



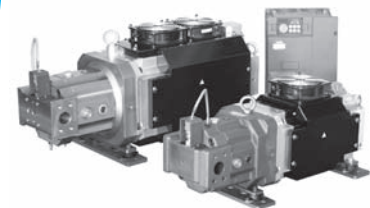
ASHG Series High Pressure
Variable Displacement Piston Pumps



AZH Series High Pressure
Variable Displacement Piston Pumps



ASR Series
AC Servo Motor Driven Pumps



ASE Series
AC Servo Motor Driven Pumps