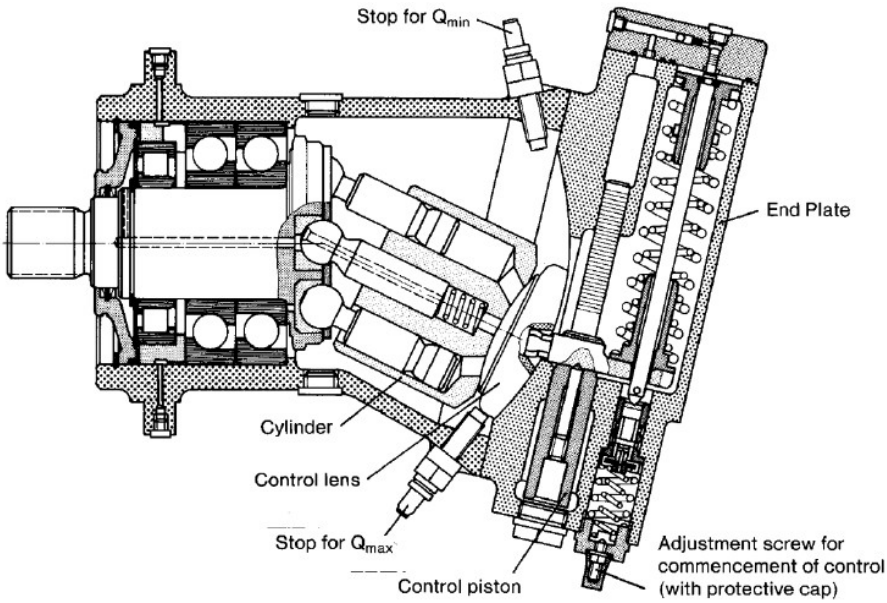
# Rexroth A7V series Variable Displacement pump

series 2.0, and 5.1, axial piston unit, bent axis design
size 20 to 500, high pressure range up to 40MPa (400 bar)


Variable displacement pump, axial piston bent axis design, for hydrostatic transmissions in open circuits.
The flow is proportional to the drive speed and the displacement and is steplessly variable at constant drive speed.
Comprehensive program of control devices for every control and regulating function.

Simplified high performance rotary group with enhanced technical data and well-proven spherical control area.

Robust roller bearings for high loads.
Hydrostatic unloading of bearings possible for continuous.
pressures up to 400 bar.
Operation on both mineral and fire-resistant fluids.
Improved port plate design and compact construction reduces noise level by 5 dBA



| A7V | 55 | LV | 2.0 | L | Z | F | O | O |
|---|---|---|---|---|---|---|---|---|

Axial piston variable displacement pump

Size

| | |
|---|---|
| 0-20.5 | 20 |
| 8.1-28.1 | 28 |
| 0-40.1 | 40 |
| 15.8-54.8 | 55 |
| 0-58 | 58 |
| 23.1-80 | 80 |
| 0-78 | 78 |
| 30.8-107 | 107 |
| 0-117 | 117 |
| 46.2-160 | 160 |
| 0-250 | 250 |
| 0-355 | 355 |
| 0-500 | 500 |

Displacement $V_{gmin}$.- $V_{gmax}$. ml/rev.

Control devices

| | |
|---|---|
| Constant horsepower control | LV |
| Constant pressure control | DR |
| Electric control (with proportional valve) | EL |
| Hydraulic control pressure related | HD |
| Manual control (with handwheel) | MA |
| Brake control | SC |
| Numerical control | NC |

Series

| |
|---|
| 2.0 |
| 5.1 |

Auxiliary equipment

| | |
|---|---|
| None | O |
| With pressure cut-off built-on for LV, EL and HD | D |

Constant pressure control remote controlled ( order sequence valve and subplate separately) — F

None — O

Pipe connections

| | |
|---|---|
| pressure and suction ports SAE-flanges, on side | F |
| pressure and suction ports thread connection. | G |

Shaft end

| | |
|---|---|
| Splined shaft DIN 5480 | Z |
| Splined shaft GB3478.1-83 | S |
| Parallel keyed shaft GB1096-79 | P |

Direction of Rotation (viewed on shaft end)

| | |
|---|---|
| Right (clockwise) | R |
| Left (anti-clockwise) | L |

Ordering sample: A7V55-LV-2.0-L-Z-F-OO
Axial piston variable displacement pump A7V, series55, with constant horsepower control, series 2.0 anti-clockwise rotation, splined shaft SAE side flange connections, without auxiliary equipment.

*For more technical information, please contact us.*