



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.

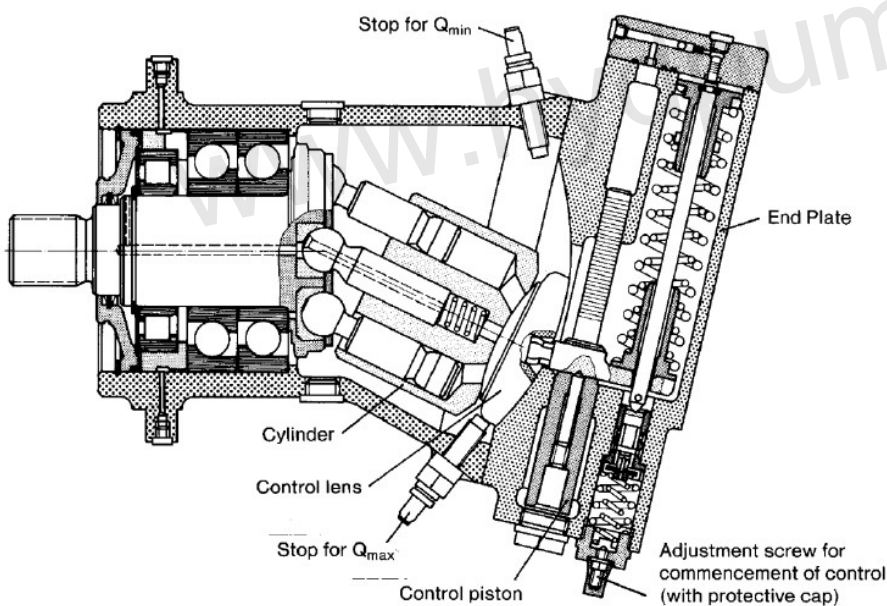
Simplified high performance rotary group with enhanced technical data and well-proven spherical control area.

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

Auxiliary equipment
None
With pressure cut-off built-on for LV, EL and HD

O
D

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

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

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

Shaft end
Splined shaft DIN 5480
Splined shaft GB3478.1-83
Parallel keyed shaft GB1096-79

Z

S

P

Direction of Rotation
Right (clockwise)
Left (anti-clockwise)
(viewed on shaft end)

R

L

Series

2.0
5.1

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.