

**Features**

- High overall efficiency at very low speed
- Low noise
- High speed range
- Optimal price / performance ratio
- Continuous self lubrication and cooling through the inflow

<b>Axial piston pumps</b>	<b>Type AKP</b>
<b>up to 500 bar</b>	<b>up to 0,3 cm<sup>3</sup>/rev</b>



**Applications**

Particularly suitable for use where low flow rates and extreme speeds require a high overall efficiency.

**Principal construction**

- 3 and 5 piston models
- valve controlled on pressure and suction side
- swash shaft with large dimensioned rolling bearings
- rotation possible in either direction

**Technical data**

<b>Type</b> without flange	<b>AKP103-0,1-500-P-A*00</b>	<b>AKP105-0,3-500-P-A*00</b>
Displacement volume	0,1 cm <sup>3</sup> /rev	0,3 cm <sup>3</sup> /rev
Operating pressure	500 bar	500 bar
Peak pressure	550 bar	550 bar
Number of pistons	3	5
Hydraulic fluid	mineral oil according to DIN 51524 (other fluids on request)	
Fluid temperature range	NBR: -20 to 80 °C	
Ambient temperature range	-30 to 50 °C	
Viscosity range	5 to 220 mm <sup>2</sup> /s	
Speed	100–5000 rpm	
Filtration	according to NAS 1638 class 8 or ISO/DIN 4406 16/14	
Material	housing: light metal anodised pump head: steel blued	
Weight	0,9 kg	
Installation	any	
Flange 45911	to be ordered separately	

