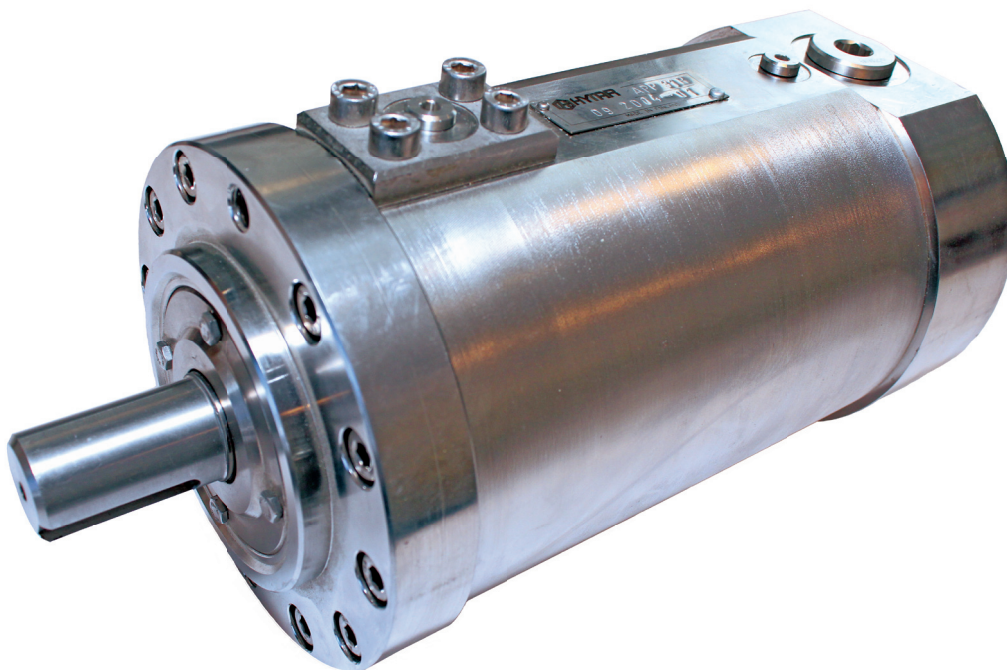




Axial Piston Motor APM

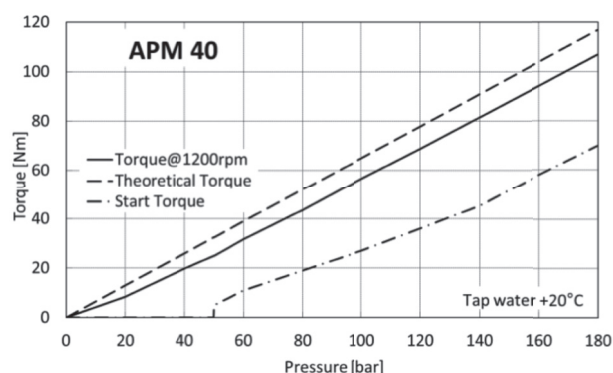
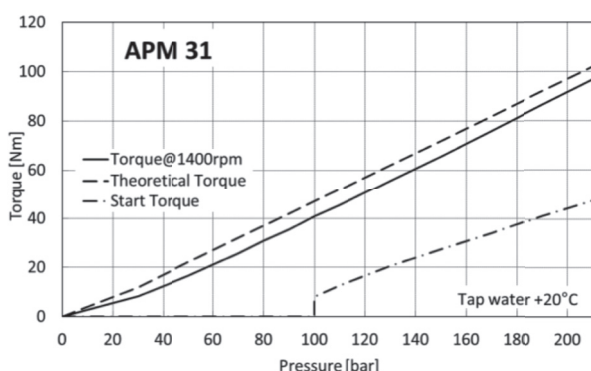


APM is an advanced axial piston motor for low viscosity fluids (water, sea water, water-glycol, HFA etc.). APM has proven reliable and efficient operation in numerous applications for example in Offshore and Marine, Reverse Osmosis, Nuclear Power, and Steel Industry.

- Simple and light weight design
- Maintenance-free construction
- High degree of standardization:
2 different sizes in one body!
- Customized sizes on request
- Port plate controlled operation –
no inlet/outlet valves
- Low pulsation
- Fully seawater proof design –
suitable for submerged operation
- Wide speed range
- High working pressure
- Low friction – no metal to metal
sliding pairs
- 100 % environmentally safe
- Cooling and lubrication of sliding
contacts by pressure media
- High running speed and efficiency
- Easy installation by means of a
bellhousing

Technical Specifications

Model	APM31L	APM40L
Displacement	31 cm ³	40 cm ³
Max speed	1800 rpm	1800 rpm
Min speed	500 rpm (For lower speeds, consult the manufacturer)	
Max inlet pressure	210 bar (3000 Psig)	160 bar (2300 Psig)
Filtration	10 µm (abs.)	
Fluid	Water, Sea water, water-glycol, HFA (other fluids, consult the manufacturer)	
Mounting position	Horizontal, pressure and bleed connection upwards	
Max operating temperature	55°C (130°F)	
Direction of rotation	Counter-clockwise (Clockwise upon request)	
Inlet connection	1" BSP (NPT adapter upon request)	
Outlet connection	1" BSP (NPT adapter upon request)	
Drain connection	½" BSP (NPT adapter upon request)	
Bleed plug	¼" BSP (NPT adapter upon request)	
Drive shaft	Ø30mm with 8x7x40 mm Parallel key acc. to DIN 6885	
Weight	26 kg (57 lb)	



Principal Dimensions

