

Hydraulic Actuator

The standard is designed for hydraulically operated double acting actuator and covers torque requirement up to 25,344Nm.

Scotch Yoke Type

Actuator Model	AV-HA20									
Output Torque (for working pre. 140kgf/cm ²)	18.6 kgf.m (183 N.m)	48.7 kgf.m (478 N.m)	102 kgf.m (1008 N.m)	192 kgf.m (1889 N.m)	373 kgf.m (3657 N.m)	503 kgf.m (4937 N.m)	699 kgf.m (6858 N.m)	1015 kgf.m (9952 N.m)	1413 kgf.m (13855 N.m)	1983 kgf.m (19438 N.m)
Working Temp	-20°C / 80°C (Other temperature ranges on request)									
Max. Working Pressure	210 kgf/cm ²									
Test Pressure	315 kgf/cm ²									
Rotating Angle	90° ± 1									
End Adjustment	± 3°									
Valve Connection Flange (ISO5211)	F07/F10	F07/F10	F10/F12/F14	F14/F16	F14/F16	F16	F16/F25	F16/F25	F25/F30	F30/F35
Spindle Dimensions	As standard with key dimension according to ISO 773									

Rack & Pinion Type

Actuator Model	AV-RA28	AV-RA36	AV-RA45	AV-RA56	AV-RA70	AV-RA90	AV-RA110	AV-RA140
Output Torque (for working pre. 140kgf/cm ²)	21.5 kgf.m (211 N.m)	42.7 kgf.m (419 N.m)	89 kgf.m (873 N.m)	172 kgf.m (1689 N.m)	323 kgf.m (3168 N.m)	712 kgf.m (6982 N.m)	1330 kgf.m (13038 N.m)	2586 kgf.m (25344 N.m)
Working Temp	-20°C / 80°C (Other temperature ranges on request)							
Max. Working Pressure	140 kgf/cm ²							
Test Pressure	210 kgf/cm ²							
Rotating Angle	90° ± 1							
End Adjustment	± 3°							
Valve Connection Flange (ISO5211)	F07	F07/F10	F10/F12	F10/F12/F14	F14/F16	F16/F25	F25/F30	F30/F35
Spindle Dimensions	As standard with key dimension according to ISO 773							

Hydraulic Actuator offers the following advantages

- The rack and pinion kinematics.
- Simple and compact design.
- Not easy damage as no pipe outside.
- High reliability.
- Suitable for all quarter turn valves.
- Adjustable open and close position.
- Long life performance.
- Suitable for submerged service.
- Easy repair and maintenance without dismounting from the valve.



Scotch Yoke Type



Rack & Pinion Type