



## ROTARY ACTUATOR

# PNEUMATIC-HYDRAULIC AVAMO ASP/ASH

The AVAMO ASP/ASH actuator series are designed based on the experience we made developing previous actuator series. The system is field proven and highly reliable. The design ensures optimal performance to operate ball, butterfly and plug valves even in the harshest environmental conditions.

The actuator is designed for longevity, ensured by bronze slide blocks and nickel or Ionit Ox plated cylinders. Chromium plated rods and custom paint jobs provide an excellent protection against corrosion.

The AS-series can be used for on/off or modulating applications. It is available in a double- or single-acting version and provides up to 600.000 Nm of torque.

### Versatility

AVAMO AS actuators have a modular design and can be equipped with several options. The Scotch-yoke mechanism can be driven by an air, gas or oil cylinder, and is either available as single- or double-acting version. We also fit a spring inside of the cylinder for emergency-shut-down-applications if necessary. The cylinder can be fitted on either side of the actuator to create a fail-close or fail-open configuration.

# Features

Design	Symmetric or canted Scotch Yoke lever
Control pressure	Pneumatic up to 12 bar Hydraulic up to 210 bar
Torque	up to 600.000 Nm
Temperature range	-30° - +110°C (standard) -40° - +60°C (low temp) -60° - +60°C (extreme temp) 0° - +160°C (high temp)
Centre body	Maintenance free, corrosion protected, welded construction
Cylinder	Cylinder with nickel, chromium or Ionit Ox plated running surfaces against corrosion providing a long lifetime for gaskets
Function	Double- or single-acting
End Stops	Adjustable leak free end stops +/- 5°
Available options	Manual emergency override
Stroking times	< 0,3 seconds
Certifications	ATEX 2014/34/EU PED 2014/68/EU Applicable up to SIL 3 as per 61508 Machine directives 2006/42/EG TR-TS approval

