



ROTARY ACTUATOR

DIRECT GAS AVAMO ASG

Our AVAMO ASG Direct Gas actuators are designed to directly use the existing pipeline pressure and work with natural sweet and sour gas. The ASG is based on our field-proven scotch-yoke actuators and adapted to its unique working environment. Its 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.

AVAMO ASG actuators have a modular design and can be equipped with several options. The actuator is available as a single- or double-acting version and can be used for on/off or modulating applications. We also apply a spring cylinder for emergency-shut-down-applications if necessary. The cylinder can be fitted on both sides of the actuator to either create a fail-close or fail-open configuration.

Features

Design	Symmetric or canted Scotch Yoke lever
Control pressure	Natural Gas up to 200 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 Sour gas version etc. 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

