AW pneumatic rotary fork actuator



Product features

> Housing, cylinder, spring, and handwheel modules can be flexibly combined;
> Uses fully enclosed welding and pre-compressed springs, maintenance-free and safer;
> Achieves durable and smooth operation system through wear resistance, low friction, and long-lasting lubrication; >
Comprehensive protection and corrosion resistance, suitable for harsh environments such as petrochemical and chemical industries;
> Offers various safe manual options such as screw, bevel gear, and hydraulic;
> Complies with Namur and ISO international standards, widely compatible interfaces, easy interchangeability.

Technical parameters and performance

Series	AW
Type	Pneumatic rotary fork actuator
Model	AW18~AW150
Outer diameter size	Φ280x700 to Φ1550x5400 (outer diameter x length)
Output torque	400N·m~266000N·m
Stroke	90±5°
Air source pressure	300~700kPa
Air source interface	NPT1/4, NPT3/8, NPT1/2, NPT3/4, NPT1, NPT1 1/2, NPT2
Performance	Basic error (with positioner):less than ±2% of full stroke | Hysteresis (with positioner):less than 2% of full stroke
Ambient temperature	Standard type -20~+80°C
	High temperature type -15~+120°C
	Low temperature type -40~+80°C
	Ultra-low temperature -52~+70°C
Material	Cylinder—20# seamless steel pipe, Q355NF
	Piston—ductile iron, Q235B, Q355NF
	Fork—ductile iron, WCB, LCC
	Housing—ductile iron, WCB, LCC
	Sealing ring—Nitrile rubber NBR, low-temperature nitrile rubber NBR, fluororubber FKM, silicone rubber VMQ
Surface coating	Painted, light gray (RAL7035)