



# Semflex-A

## Intelligent, Multi-Turn, Electric Actuator

### <Applications>

- Market segment:  
Water / Energy / Oil / Gas / Vessel / Ventilation / Chemical and any Industrial process
  - Valve types:  
Gate / Globe / Butterfly\* / Ball\* / any types of valve (\* In combination with Gear Box)
  - Optional Functions:  
Positioning / Modulating / Water hammer prevention / Valve purge / Torque retry mode  
Communication: Profibus-DP / Modbus-UTS, Self-diagnosis
- \*Please contact us for more details and other options.

### <Specification Data>

Type		A-50	A-100
Allowable Torque (Nm)		50	100
Allowable Thrust (kN)		25	54
Sleeve Rotation Speed (min-1)		1~100 (Servo drive)	
Allowable Valve Rod Diameter	Non-Rising	34	50
	Rising	40	58
Flange size		F07	F10
Motor	Output(kW)	0.4	0.75
	Power-Supply (V)	3-phase 200/400	
	Insulation Class	F	
	Brake	-	
	Thermal protector	Built-in	
Position Detection		Resolver	
Torque Detection		Motor current	
Indicator		LCD : position(% , mm), fault icons, indicator, 3-character data	
Local Operation		Push button : OPEN, CLOSE, STOP	
		Select switch : LOCAL - OFF - REMOTE	
Manual/Electric switching		Manual return type, with a handle	
Explosionproof (Option)		-	
Ambient Temperature		-10~60°C (Option : 80°C)	
Protection Structure		IP68	
Coating		Standard color coating (Munsell N8)	

\*Dimensions and shape are subject to slight change without notice.

**<Features>****\*Small & Lightweight**

Easy optimization of plant design and easy piping layout by A3 size compact actuator.

**\*Improved quietness**

Minimize operation noise at 50dB or less by removing A/B gear

**\*Variable-speed as standard**

Available sleeve rotation speed: 1 to 100 min<sup>-1</sup>

