

A100/200 series



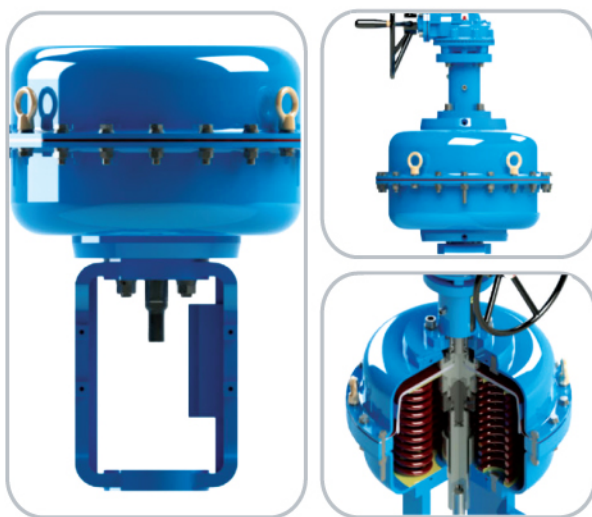
Pneumatic Diaphragm Valve Actuators

A100/200 Series

The A100/200 Series multispring diaphragm actuator is of the non reversible type. This has been designed with an improved mechanical structure which makes the product extremely competitive for price as well as suitable for application with critical operating conditions.

Standard Specification

Linear Motion Style (A100)



A100 Series	
Size	250, 290, 370, 370L 480, 480H, 550, 550L (mm Diameter)
Air Supply	2.8 ~ 3.6 kgf/cm
Effective Range(cm ²)	270 to 1,520
Travel Range(mm)	10 to 120
Temp. Range	-20°F to +180°F, -30°C to +80°C Option : -40°F to +248°F, -40°C to +120°C
Material	Case : Carbon steel Stem : Stainless steel Diaphragm : EPDM + Nylon Spring : Oil Tempered Spring Steel Seal : EPDM / Silicone
End Connection	NPT(BSP), PT : 1/4", 1/2"
Option	Top Handle, Side Handle, Top Side Handle
Applications	Globe Valves

A100/200 series

- Economical design.
- Simply top and top side mounted hand-wheels.
- Height strength actuators case with rugged design.
- Low volume between diaphragm and actuator case.
- High Stability.
- Low hysteresis.
- Compact design with reduced height.

The stroking times for the multispring A100/200 Series diaphragm actuator depend on the application. The factors which influence this characteristic are the stroke, air supply pressure, size of pipework connection, spring rate, operation action (air to open, air to close) and type of the possible associated positioner.

Actuator stroking time of less than one second can be obtained by using boosters.

Standard Specification

Rotary Quarter Turn Style (A200)

A200 Series	
Size	250, 290, 370 480, 550 (mm Diameter)
Air Supply	2.8 ~ 3.6 kgf/cm ²
Effective Range(cm ²)	270 to 1,520
Travel Range(mm)	60 to 90 Degree turn
Temp. Range	-20°F to +180°F, -30°C to +80°C Option : -40°F to +248°F, -40°C to 120°C
Material	Case : Carbon steel Stem : Stainless steel Diaphragm : EPDM + Nylon Spring : Oil Tempered Spring Steel Seal : EPDM / Silicone Housing : Carbon Steel
Air Connections	NPT(BSPP), PT : 1/4", 1/2"
Option	Top Handle, Top Side Handle
Applications	Rotary Quarter Turn Valves, Ball Valve, Butterfly Valve

