

## Series 6110

### Multispring Diaphragm Actuators

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#### General

The Series 6110 Diaphragm actuators has been designed to control accurately the flow and pressure of fluid in response to demand of fine process control as well as various plant systems. These actuators have been developed for powerful and high performance pneumatic actuating of linear motion valves as well as rotating valves. It consist of four spring which are produced for high stiffness that is defined as the ability of the actuator to with stand suddenly changing dynamic force of fluids acting on the valve stem. The action of valves can be changed by removing of the cap and four mounting bolts, turning the actuator over, and replacing the cap.

- Simple cost effective design
- Long stroke and wide application
- Strong seating force
- Compact and light weight

#### Performance :

- Reliability
- High Power
- Full response
- Low Hysteresis
- Field Reversible

#### Design Flexibility :

- Reversible fail action without extra parts in the field
- Wide selection of optional accessories available
- Compact and simple design
- Inviolate rolling diaphragm simplifies actuator design
- Variable stroke up to 5"

#### Design Integrity :

- Multi spring construction
- One piece spindle on top and bottom dry bushing guide
- Low stressed alloy steel springs

#### Quality Manufacturing :

- High quality material with trace ability throughout manufacture.
- Quality Assurance system in accordance with ISO 9001.
- Comprehensively tested to ensure specified preference on site.

#### Diaphragm Actuator Specifications

Actuator Type	Multispring Diaphragm Actuator							
Actuator Model	Series 6110							
Actuator Size (Model)	T-1	T-2	T-3	T-3	T-4	T-4	T-5	T-5
Stroke (mm)	20	25	38	50	50	100	100	130
Min. Air supply Pressure	Standard : 4.0 kgf/cm <sup>2</sup> G, Optional: 3.0kgf/cm <sup>2</sup> G							
Spring Range	1.0~3.0 kgf/cm <sup>2</sup> G, Optional: 0.4~2.0kgf/cm <sup>2</sup> G							
Body Materials	Steel Plate							
Diaphragm Materials	EPDM							
Movement	Reciprocate / Rotary (with rotary box)							
Handwheel	Top side (Optional declutchable side handwheel)							