



LINEAR ACTUATOR

**Product Model :** L1000**Specification Description**

Thrust: 1000 kg/2204 lb
Weight: 27 kg/59.52 lb
Motor: 25w
Mounting Flange (ISO 5210) : F10
Max. Stroke: 100 mm/3.94 inch

Features

Certification

Option Items

Outline Dimensions

Enclosure:

- IP67 、 NEMA 4X: Water-proof and dust-proof enclosure.
- Material: Dry powder coating aluminum alloy.

Position Indicator:

- All models are equipped with continuous mechanical position indicator. The external stem visual position indicator provides easily read and instantly available stem position.

Modulating Controller:

- Actuator can be operated according to input signal and provide the output signal for feedback.
- Input signal: 4~20mA, 1~5V or 2~10V。
- Output signal: 4~20mA or 2~10V。

Adjustable Stroke:

- Allow users to adjust actuator's stroke to match valve stem's stroke. (Refer to the specifications for stroke range)

Motor:

- All models are equipped with DC motor and provide low power consumption, high duty cycle and efficiency. (1500 starts per hour)

Working Conditions:

- Ambient temperature: -30°C ~ +65°C / -22°F ~ +149°F
- The humidity: 30% ~ 95%

Over-thrust Protection:

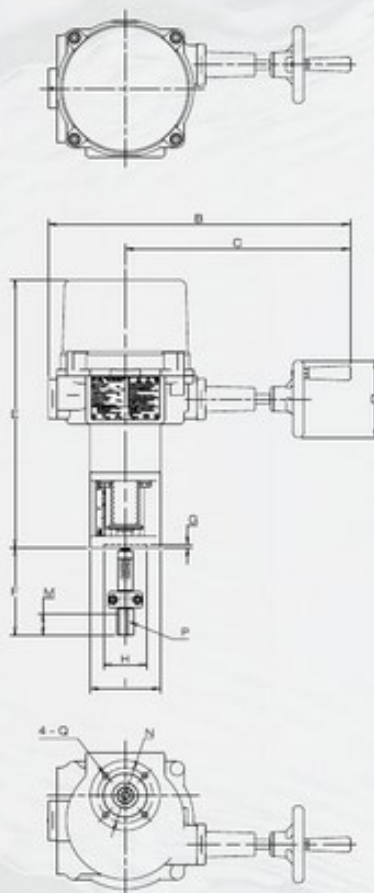
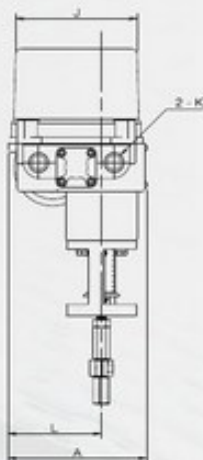
- If the output thrust of the drive exceeds of the drive rating, the actuator will shut off by two-step control. The two-step control is as follows:
 - First step : If the output thrust of the drive exceeds the rating, power supply will be turned off by limit switches.
 - Second step : If the limit switches fail, power supply will be turned off by electronic detector. (The function only applies to modulating controller actuator)

Model	Thrust		Weight		Motor Power (w)	Mounting Flange (ISO 5210)	Max. Stroke	
	kg	lb	kg	lb			mm	inch
L250	250	551	8.5	18.74	8	F07	50	1.97
L500	500	1102	8.5	18.74	8	F07	50	1.97
L1000	1000	2204	27	59.52	25	F10	100	3.94
L2000	2000	4409	27	59.52	35	F10	100	3.94



SUN YEH ACTUATOR

LINEAR ACTUATOR



mm

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q
L250	176.5	383.5	285.5	Ø 98	340	124	4	Ø 55	Ø 89	Ø 155	1/2" NPT	119	25	Ø 70	M12*1.75	M8*1.25
L500	254	537	391	Ø 194	543	205	4	Ø 70	Ø 125	Ø 216	1/2" NPT	176	35	Ø 102	M20*2.5	M10*1.5

inch

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q
L250	69.5	15.1	11.24	Ø 3.86	13.39	4.88	0.16	Ø 2.17	Ø 3.5	Ø 6.1	1/2" NPT	4.69	0.98	Ø 2.76	M12*1.75	M8*1.25
L500	10	21.14	15.39	Ø 7.64	21.38	8.07	0.16	Ø 2.76	Ø 4.92	Ø 8.5	1/2" NPT	6.93	1.38	Ø 4.02	M20*2.5	M10*1.5