

SV925L SERIES LINEER ELECTRICAL ACTUATORS

OPTION SPECIFICATION

No.	Option scheme	Remark
1	Potentiometer unit (1K-10K)	SV925-L series
2	Proportion control unit (control signal 4-20mA DC/1-5V/1-10V)	SV925-L series
3	Local control units (local control open/stop/close optional switch, local/remote switch)	SV925-L series
4	Water-proof actuator (IP68,10M,250HR)	SV925-L series
5	Reverse electromagnetic control and transmission of integrated motor starter	SV925-L series
6	Electric current position sensor (output 4-20mA DC)	SV925-L series
7	High temperature resistance actuator (-10℃ ~ +100℃)	SV925-L series
8	Low temperature resistance actuator (-60℃ ~ +30℃)	SV925-L series
9	Low speed actuator	SV925-L series
10	Bus-control unit	SV925-L series



SUMMARY

"SV925-L" series electric actuator is a new generation of linear actuator, we have done a lot of innovation, with three patents and a number of appearance and utility model patents. It uses modular design, with rich scalability features for a variety of valves and similar products. Such as gate valves, globe valves, control valves, etc., it can be widely used in petroleum, chemical, water treatment, shipbuilding, paper, power plants, heating, building automation and other industries. It uses 380V / 220V / 110V AC power supply for the drive power, using switch value, analog or digital as control signal, move the valve to the desired position and achieving its automation. "SV925-L" series has thrust selection range, its thrust value from 3000-30000NM, also it can match the corresponding valve through different bracket.

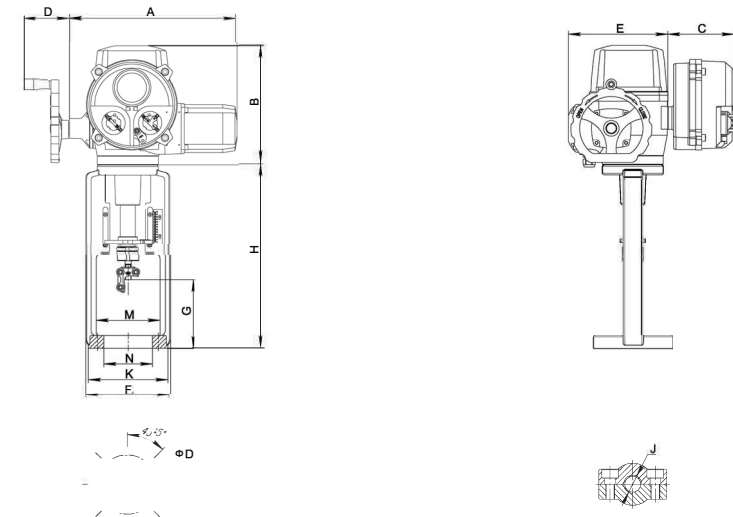
PERFORMANCE PARAMETER

Model	Thrust	Speed	Max stroke	Power	Rated Current (A)	Weight
	N	mm/s	mm	W	220V/50HZ/1PH	Wg
SV925-L-30	3000	1.5	25	30	0.31	17.5
SV925-L-50	5000	1.5	40	45	0.42	19
SV925-L-80	8000	1.5	60	60	0.62	19.5
SV925-L-100	10000	1.5	100	60	0.68	33
SV925-L-160	16000	1.5	100	90	0.85	33
SV925-L-200	20000	1.5	100	90	0.87	33
SV925-L-250	25000	1.5	100	120	1.22	33
SV925-L-300	30000	1.5	100	120	1.28	33

STANDARD TECHNICAL PARAMETER

Shell	Enclosure :IP67,IP68 is optional,NEMA4, NEMA6	
Power	Standard:110/220V AC 1Phase	
	Optional:80/440V AC 3 Phase	
Motor	Asynchronous motor	
Limit switch	2×Open/ Close, SPDT,250VAC 10A	
Auxiliary limit switch	2×Open/ Close, SPDT,250VAC 10A	
Fail safe/	Internal-placed thermal protection, Open 120℃ ± 5℃/Close 97℃ ± 5℃	
Operating temperature		
Indicator	Continuous position indicator	
Manual operate	Decutching mechanism, operate by handwheel	
Self-locking device	Self-locking by worm and worm gear	
Space heater	30W(110V/220VAC)	
Conduit entry	2 × M18*1.5	
Ambient temperature	-25℃ ~ +70℃ (-30℃、-40℃、-60℃ optional)	
Lubrication	Grease moly (EP type)	
Material	Steel, Aluminum alloy, Aluminum bronze, Polycarbonate	
Ambient humidity	Max 90% RH	Non-Condensing
Anti-vibration	XYZ 10g,0.2 ~ 34 Hz,30 minutes	
External coating	Dry powder, Epoxy polyester,high anti-corrosion	

GENERAL DRAWING



Unit:mm

Model	A	B	C	D	E	F	G	H	K	M	N	T	β	ΦD	n-pd	J
SV925-L-30	307	236	131	91	196	165	90	255	Φ100/Φ125	90	Φ60	20	0°	Φ80	2-Φ10	M14MAX ro M24MAX
SV925-L-50	330	236	131	91	196	165	130	320	Φ135/Φ155	110	Φ80	20	45°	Φ105	4-Φ12.5	M14MAX ro M24MAX
SV925-L-80	330	236	131	91	196	165	135	365	Φ155	125	Φ95	25	45°	Φ118	4-Φ14.5	M14MAX ro M24MAX
SV925-L-100	369	295	131	91	230	195	165	490	/	132	Φ100	22	45°	Φ130	4-Φ18	M24MAX
SV925-L-160	369	295	131	91	230	195	165	490	/	132	Φ100	22	45°	Φ130	4-Φ18	M24MAX
SV925-L-200	369	295	131	91	230	195	165	490	/	132	Φ100	22	45°	Φ130	4-Φ18	M24MAX
SV925-L-250	369	295	131	91	230	195	165	490	/	132	Φ100	22	45°	Φ130	4-Φ18	M24MAX
SV925-L-300	369	295	131	91	230	195	165	490	/	132	Φ100	22	45°	Φ130	4-Φ18	M24MAX

PERFORMANCE PARAMETER

No.	Performance	Parameter
1	Motor power control	Thyristor commutate relay unit
2	Motor load type	S2-30min (on/off model), S4-25% (Modulating model)
3	Control signal	Input and output 4-20mADC, 1-5VDC, 0-10VDC
4	Sensitivity (dead zone)	0.3% ~ 2.5%
5	Input / output impedance	150Ω、750Ω
6	Set alarm signal	The phase error or loss, motor overheating protection tripping (overheat protection switch)
7	Field control	Select switch scene - stop - remote, knob: open - off, screen