

2000 Series

Single Phase Linear Electrical Actuator

Sdtork Electric Actuator type 2000-series is designed for linear, quarter turn & angular actuation applications for remote control of various types of valves such as Globe, V-notch ball, Butterfly, Diaphragm and various types of dampers such as single / multi louver / VIV dampers. Sdtork's 2000-series is mainly used for control/regulating duty applications. The special design features of 2000 series give value addition to our customers in following ways :

VERSATILITY | ROBUSTNESS | RELIABILITY | ECONOMY



Also available in Flame Proof Version

Available Thrust Range upto 1200 kgs



Globe Valve with Electric Actuator



Diaphragm Valve with Electric Actuator



Square Damper with Electric Actuator



Butterfly Valve with Electric Actuator



Ball Valve with Electric Actuator



VIV Damper with Electric Actuator



Technical Data - 2000 Series - Flame Proof Electrical Actuator -

Sr. No.	Model No.	Output Motion	Option	Rated Output	Maximum Closing	Stroke	Output Speed	Supply	Power	Current	Insulation	Approx. Weight						
				Thrust	Thrust								Watts	mA	Kg			
1	HQ-008 / FSD-2001-04 / FLP	Linear	L11	200 Kgs.	350 Kgs.	40 mm	0.26 mm / Sec.	1PH-220 / 110 VAC 50/60 HZ	3.14	40.5	B	10						
			L12	200 Kgs.	350 Kgs.	40 mm	0.52 mm / Sec.											
			L13	200 Kgs.	350 Kgs.	40 mm	0.26 mm / Sec.											
			L14	200 Kgs.	350 Kgs.	40 mm	0.52 mm / Sec.											
		Rotary		Torque	Torque												15	
			R4	40	70	90°	120 Sec/90°											
		Angular															12	
			D1	40	60	180 mm / 40°	2.4 Min											
		2	HQ-015 / SD-2001-15 / FLP	Linear	L21	600 Kgs.	900 Kgs.					60 mm	0.45 mm / Sec.	1PH-220 / 110 VAC 50/60 HZ	16.5	133	E	18
					L22	600 Kgs.	750 Kgs.					60 mm	0.8 mm / Sec.					
L23	600 Kgs.				900 Kgs.	75 mm	0.45 mm / Sec.											
L24	600 Kgs.				750 Kgs.	75 mm	0.82 mm / Sec.											
Rotary				Torque	Torque								22					
	R4			40	70	90°	90 Sec / 90°											
Angular													20					
	D1			40	60	360 mm / 60°	2.2 Min											
				D2	40	60	360 mm / 60°	1.2 Min										

- Accessories will be supplied as per client demand
- Options available for degree of protection in IP55, IP67 & IP68
- Alternate options for operation speed available on demand
- We can supply actuator for 60 Hz supply also
- Alternate option for 24 VDC available on demand

Technical Specification of Single Phase Flame Proof Electrical Actuator

Model No. HQ008/FSD-2001-04/FLP

for explosive gas atmospheres Flameproof enclosures "d" (Group: IIC)

Complies to Standard:- IS/IEC 60079-0:2004 General requirement
IS/IEC 60079-1:2007 Flame Proof]

Over Pressure test Conducted at our manufacturing Work at 10kg/cm².

Cast Allumunim Alloy, Pressure Die Casting.

Composition of LM6:-

<u>DISCRIPTION</u>	<u>%</u>
Copper	0.1 max.
Magnesium	0.10 max.
Silicon	10.0-13.0
Iron	0.6 max.
Manganese	0.5 max.
Nickel	0.1 max.
Zinc	0.1 max.
Lead	0.1 max.
Tin	0.05 max.
Titanium	0.2 max.
Aluminium	Remainder.

BOLT DETAIL:-

<u>DISCRIPTION</u>	<u>TENSILE STRESS</u>	<u>MATERIAL</u>
M6 ALLEN BOLT	240 N/mm ²	SS304

Thread Standard as per ISO 965 :-

Internal Thread Tolerance: 6H.

External Thread Tolerance: 6g.

Motor Detail:-

Operating Voltage : 220VAC/110VAC

Frequency : 50/60 Hz

No. of Pole : 16

Watt : 0.00314/0.016Kw

Note:- Minimum Wall thickness is 3mm after riveting.

Technical Specification of Single Phase Flame Proof Electrical Actuator

Model No. HQ015/SD-2001-15/FLP

for explosive gas atmospheres Flameproof enclosures "d" (Group: IIC).

Complies to Standard:- IS/IEC 60079-0:2004 General requirement
IS/IEC 60079-1:2007 Flame Proof]

Over Pressure test Conducted at our manufacturing Work at 10kg/cm².

Cast Allumunim Alloy, Pressure Die Casting.

Composition of LM6:

<u>DISCRIPTION</u>	<u>%</u>
Copper	0.1 max.
Magnesium	0.10 max.
Silicon	10.0-13.0
Iron	0.6 max.
Manganese	0.5 max.
Nickel	0.1 max.
Zinc	0.1 max.
Lead	0.1 max.
Tin	0.05 max.
Titanium	0.2 max.
Aluminium	Remainder

BOLT DETAIL:-

<u>DISCRIPTION</u>	<u>TENSILE STRESS</u>	<u>MATERIAL</u>
M6 ALLEN BOLT	240 N/mm ²	SS304

Thread Standard as per ISO 965 :-

Internal Thread Tolerance: 6H.

External Thread Tolerance: 6g.

Motor Detail:-

Operating Voltage	: 220VAC/110VAC
Frequency	: 50/60 Hz
No. of Pole	: 8, Watt:0.00314/0.016kw

Note:- Minimum Wall thickness is 3mm after riveting.