

**KITZ**

# KELMO®

## Electric Actuator Driven Compact Ball Valves

- KITZ Electric Actuators : EA Series
- 110~120V, 220~240V AC • 50Hz / 60Hz, 12V / 24V DC
- Class 10K Bronze and Stainless Steel Threaded Ball Valves



### General design features

- Compact size and light weight with die-cast aluminium housing and powerful miniature motor for economy and handling ease.
- Simple mechanism with minimized number of component parts for high durability and trouble-free service.
- Free from concerns common with conventional solenoid valves such as water hammer, pressure loss, malfunction caused by jammed valve interior, and restricted flow direction.
- All weather type design for outdoor service.
- Availability of manual operation in case of electric failure.
- Versatile applications by means of optional built-in relay circuit for parallel drive and terminal boxes.
- Safety provision to protect the motor from overheat damage caused by accidental overload.
- Factory-made actuator-to-valve assembly for off-the-shelf supply.

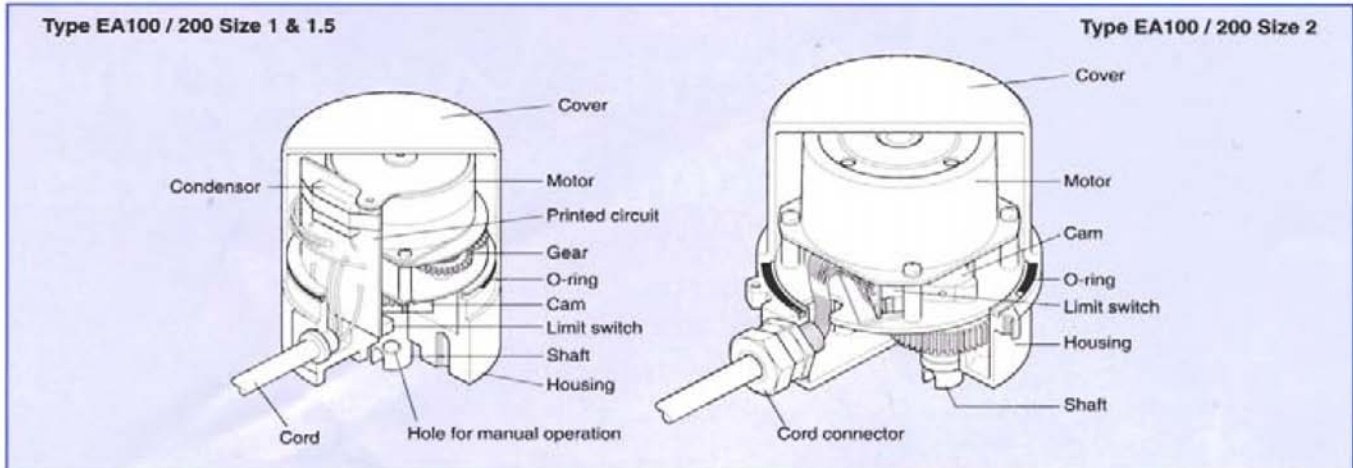
**KITZ CORPORATION**

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KITZ Corporation Of America  
800-772-0073 • www.KITZ.com

## KITZ KELMO® Actuator Driven Ball Valves

### KITZ KELMO® Electric Actuators



### ● Design specifications

Specification / Type	EA Size 1		EA Size 1.5		EA Size 2	
Power source 50/60Hz	110~120V AC	220~240V AC	110~120V AC	220~240V AC	110~120V AC	220~240V AC
Rated current	100mA	50mA	100mA	50mA	100mA	50mA
Max. power consumption	12W					
Valve closing	50Hz		12 sec.		15 sec.	
Time (90° rotation)	60Hz		10 sec.		13 sec.	
Max. output torque	1.9N·m(20kgf·cm)		3.9N·m(40kgf·cm)		9.8N·m(100kgf·cm)	
Rated time	Continuous					
Insulation class	JIS Class E					
Sensitive switch	200V AC 1A				250V AC 3A	
Contact capacity	(Resistant load)				(Resistant load)	
Position limit switch	1pce each for opening / closing(Using the source voltage)					
Insulation strength	1500V AC (1min. interval)					
Insulation resistance	Minimum 10MΩ (500V DC)					
Standard protection	All weather type (for outdoor use)					
Ambient temperature	-20°C to +50°C					
Mounting position	Vertical to horizontal					
Wiring	Vinyl cabtyre cord with 5 cores (700mm long)					
	0.3mm <sup>2</sup>				0.5mm <sup>2</sup>	
Lubrication	Grease					
Overload protection	Impedance protection					
Coating color	Housing : black Cover : light blue					

### ⚠ CAUTION

Technical data published in this catalog have been developed from our design calculation, in-house testing, field reports provided by our customers and/or published official standards or specifications. They are good only to cover typical applications as a general guideline to users of KITZ products introduced in this catalog.

For any specific application, users are kindly requested to contact KITZ Corporation for technical advice, or to carry out their own study and evaluation for proving suitability of these products to such an application. Failure to follow this request could result in property damage and/or personal injury, for which we shall not be liable.

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