



## +GF+ Electrically Actuated Valves For Chemical Process Application

Plastic Systems build in-house actuation assemblies and can customise to meet your exacting needs, including a wide range of additional accessories. For ease of pricing and ordering we have created a basic actuator assembly kit featuring the appropriate actuator and the adaptor parts to assemble and test a complete actuated valve.

**ALL you have to do is select the assembly and add the valve from our manual price list to get your pricing and for ordering purposes. If you require additional functionality, please contact our office.**

### ELECTRIC ACTUATION

The +GF+ Electric Actuators type EA15, EA25, EA45, EA120 and EA250 are not only well equipped, they are also characterized by very high peak torques from 25 Nm to 250 Nm making them able to automate a wide range of valves. The electric actuators serve to operate valves with a rotating angle of 90° to 180°. The actuators can be installed on any common valves with inter-faces according to ISO 5211.

Accessories are available to operate valves in continuous operation.

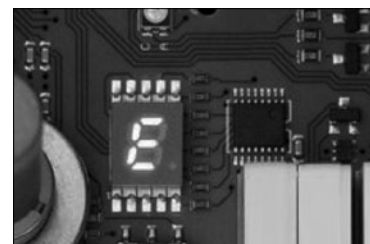
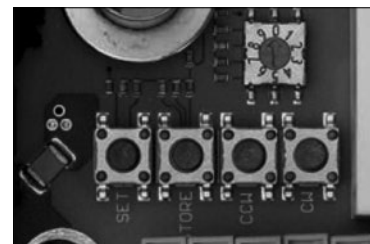
#### Features:

- LED Feedback - Reading of the actuator position as well under difficult light conditions
- Integrated feedback
- Electric position feedback for position Open/Close/Middle
- Integrated heater with dial for temperature
- 7-Segment error display
- Position sensor with easy re-adjustment teach-buttons to manually reset open and closed position
- Profibus DP-V0 compatible
- Simple selection and assembly of accessory parts

#### Related Documents:

- Manual Valves Price List • GF EA 15-250 Electric Actuator Handbook

EA15, EA25, EA45, EA120, EA250	
<b>Nominal Voltage</b>	AC:100-230V, AC/DC: 24V, 50/60 Hz
<b>Nominal Voltage Tolerance</b>	+ /- 15%
<b>Protection class</b>	IP 65 according to EN60529
<b>Pollution degree</b>	2 according to EN61010-1
<b>Overload protection</b>	Current/time dependent, resetting
<b>Over voltage category</b>	II
<b>Ambient temperature</b>	-10 - +50 deg C
<b>Allowable humidity</b>	Max 90 % relative humidity, non-condensing
<b>Housing material</b>	GF PP for Chemical Resistance



	EA15	EA25	EA45	EA120	EA250
<b>Nominal Power</b>	AC 30VA - 100-230V AC/DC 35VA - 24 V	AC 35VA - 100-230V AC/DC 40VA - 24 V	AC 55VA - 100-230V AC/DC 60VA - 24 V	AC 50VA - 100-230V AC/DC 55VA - 24 V	AC 60VA - 100-230V AC/DC 65VA - 24 V
<b>Nominal Torque Mdn (peak)</b>	10(20)Nm	10(25)Nm	20(45)Nm	60(120)Nm	100(250)Nm
<b>Duty Cycle</b>	40% @ 25 deg C/15min	100%	50%	50%	35%
<b>Cycle times/90 deg at Mdn</b>	5 s	5 s	6 s	15 s	20 s
<b>Flange Fittings (Mounting Plate)</b>	F05	F05	F05	F05	F07
<b>Tested cycles (at 20deg C &amp; Mdn)</b>	150,000	250,000	100,000	100,000	75,000
<b>Weight</b>	1.85 kg	2.1kg	2.2 kg	3.6 kg	5.0 kg
<b>Actuating Angle</b>	Max 355 deg set to 90 deg				

PRICES INDICATED DO NOT INCLUDE GST



# +GF+ Electrically Actuated Valves

## For Chemical Process Application

### EA 546 STANDARD ELECTRIC ACTUATOR ASSEMBLY

Includes EA15/25/45/120 Actuator, Drive Adaptors and Multifunction unit used for the 546 Ball Valves.

VALVE IS NOT INCLUDED

	CODE:	Size (NB)	Price
<b>EA15</b> <b>230 VOLT</b>	EA15546-230V/15	15mm	
	EA15546-230V/20-25	20-25mm	
	EA15546-230V/32-40	32-40mm	
	EA15546-230V/50	50mm	
<b>EA25</b> <b>230 VOLT</b>	EA25546-230V/15	15mm	
	EA25546-230V/20-25	20-25mm	
	EA25546-230V/32-40	32-40mm	
	EA25546-230V/50	50mm	
<b>EA45/120</b> <b>230 VOLT</b>	EA45546-230V/65	65mm	
	EA120546-230V/80	80mm	
	EA120546-230V/100	100mm	

	CODE:	Size (NB)	Price
<b>EA15</b> <b>24 VOLT</b> (AC or DC)	EA15546-24V/15	15mm	
	EA15546-24V/20-25	20-25mm	
	EA15546-24V/32-40	32-40mm	
	EA15546-24V/50	50mm	
<b>EA25</b> <b>24 VOLT</b> (AC or DC)	EA25546-24V/15	15mm	
	EA25546-24V/20-25	20-25mm	
	EA25546-24V/32-40	32-40mm	
	EA25546-24V/50	50mm	
<b>EA45/120</b> <b>24 VOLT</b> (AC or DC)	EA25546-24V/65	65mm	
	EA25546-24V/80	80mm	
	EA25546-24V/100	100mm	

### EA 543 STANDARD ELECTRIC ACTUATOR ASSEMBLY

Includes EA25 Actuator and Multifunction unit to assemble the 543 3Way Ball Valves up to 50mm.

VALVE IS NOT INCLUDED

	CODE:	Size (NB)	Price
<b>EA25</b> <b>230 VOLT</b>	EA25543-230V/15	15mm	
	EA25543-230V/20-25	20-25mm	
	EA25543-230V/32-40	32-40mm	
	EA25543-230V/50	50mm	

	CODE:	Size (NB)	Price
<b>EA25</b> <b>24 VOLT</b> (AC or DC)	EA25543-24V/15	15mm	
	EA25543-24V/20-25	20-25mm	
	EA25543-24V/32-40	32-40mm	
	EA25543-24V/50	50mm	

### EA 567 STANDARD ELECTRIC ACTUATOR ASSEMBLY

Includes EA45/120 Actuator and Adaptor to assemble the 567 Valves up to 200mm.

VALVE IS NOT INCLUDED

	CODE:	Size (NB)	Price
<b>EA45/120/250</b> <b>230 VOLT</b>	EA45567-230V/50-65	50-65mm	
	EA120567-230V/80	80mm	
	EA120567-230V/100-125	100-125mm	
	EA250567-230V/150	150mm	

	CODE:	Size (NB)	Price
<b>EA45/120/250</b> <b>24 VOLT</b> (AC or DC)	EA45567-24V/50-65	50-65mm	
	EA120567-24V/80	80mm	
	EA120567-24V/100-125	100-125mm	
	EA250567-24V/150	150mm	