





# +GF+ ELECTRICALLY ACTUATED VALVES

## FOR CHEMICAL PROCESS APPLICATIONS

EA 546 STANDARD ELECTRIC ACTUATOR ASSEMBLY							
		Code	Size (NB)				
	<b>EA15 230 VOLT</b>	EA15546-230V/15	15mm		<b>EA15 24 VOLT (AC or DC)</b>	EA15546-24V/15	15mm
		EA15546-230V/20-25	20-25mm			EA15546-24V/20-25	20-25mm
		EA15546-230V/32-40	32-40mm			EA15546-24V/32-40	32-40mm
		EA15546-230V/50	50mm			EA15546-24V/50	50mm
	<b>EA25 230 VOLT</b>	EA25546-230V/15	15mm		<b>EA25 24 VOLT (AC or DC)</b>	EA25546-24V/15	15mm
		EA25546-230V/20-25	20-25mm			EA25546-24V/20-25	20-25mm
		EA25546-230V/32-40	32-40mm			EA25546-24V/32-40	32-40mm
		EA25546-230V/50	50mm			EA25546-24V/50	50mm
	<b>EA45/120 230 VOLT</b>	EA45546-230V/65	65mm		<b>EA45/120 24 VOLT (AC or DC)</b>	EA45546-24V/65	65mm
		EA120546-230V/80	80mm			EA120546-24V/80	80mm
		EA120546-230V/100	100mm			EA120546-24V/100	100mm



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

**VALVE IS NOT INCLUDED**

EA 543 STANDARD ELECTRIC ACTUATOR ASSEMBLY							
		Code	Size (NB)				
<b>EA25 230 VOLT</b>		EA25543-230V/15	15mm	<b>EA25 24 VOLT (AC or DC)</b>		EA25543-24V/15	15mm
		EA25543-230V/20-25	20-25mm			EA25543-24V/20-25	20-25mm
		EA25543-230V/32-40	32-40mm			EA25543-24V/32-40	32-40mm
		EA25543-230V/50	50mm			EA25543-24V/50	50mm

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

**VALVE IS NOT INCLUDED**

EA 567 STANDARD ELECTRIC ACTUATOR ASSEMBLY							
		Code	Size (NB)				
<b>EA45/120/250 230 VOLT</b>		EA45567-230V/50-65	50-65mm	<b>EA45/120/250 24 VOLT (AC or DC)</b>		EA45567-24V/50-65	50-65mm
		EA120567-230V/80	80mm			EA120567-24V/80	80mm
		EA120567-230V/100-125	100-125mm			EA120567-24V/100-125	100-125mm
		EA250567-230V/150	150mm			EA250567-24V/150	150mm

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

**VALVE IS NOT INCLUDED**

### SMART ELECTRIC ACTUATORS TYPE DEA25-250

The smart electric actuator is the first product that can be controlled fully by an app. Furthermore it is not only smart and excellently equipped, it also features very high peak torques ranging from 25 Nm to 250 Nm. Therefore, it is able to automate a wide range of valves.

The actuators can be installed on any common valves with interface according to ISO 5211.

Accessories allow using them not only as an on/off actuator but also in continuous operation.



### E-DIASTAR FOR TYPES 514, 515 AND 517

The e-DIASTAR system is based on the diaphragm Valve Type 514 (threaded sockets) and Type 515 (spigots), on which the electric actuator EA-MT is mounted. The diaphragm Valve Type 517 (flange) can be retrofitted after installation. The electric actuator EA-MT opens and closes the diaphragm valve fully automatic.

The e-DIASTAR is used to regulate, close and control volume flows automatically. Especially when transporting contaminated, aggressive or abrasive media, this type of valve has decisive advantages thanks to its simple function and optimized construction. Only the valve body and the replaceable diaphragm are in contact with the medium.



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### FOR CHEMICAL PROCESS APPLICATIONS

AsmuSS 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.

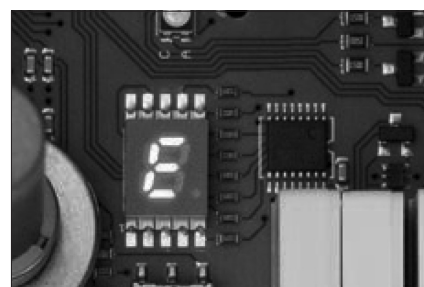
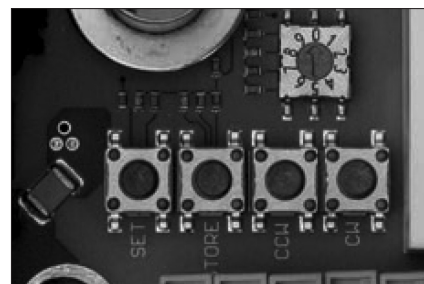
#### Features:

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

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