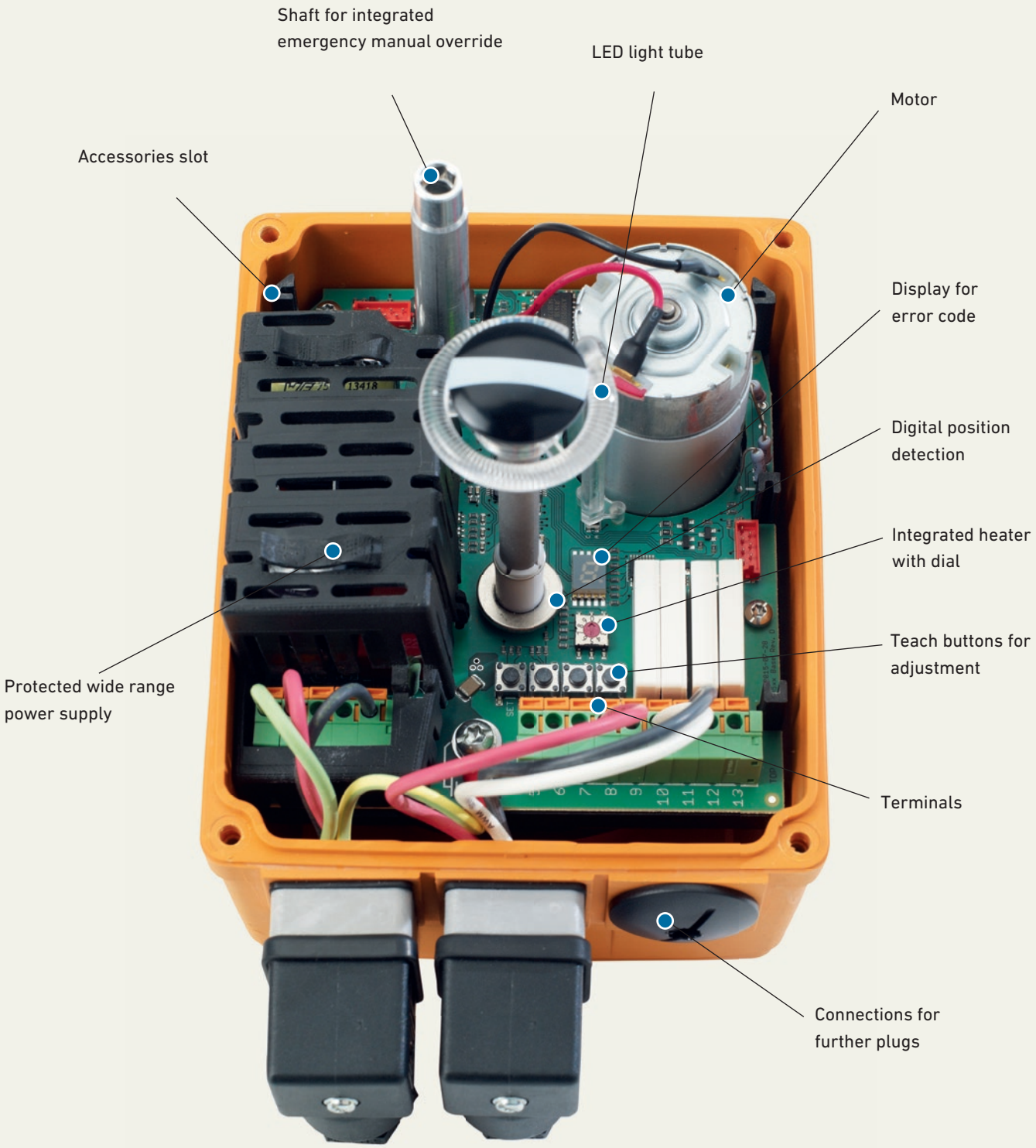
GF Piping Systems

Small & Light

Electric Actuators
Type EA15-250



Fully packed



Smart Functions for Easy Operation

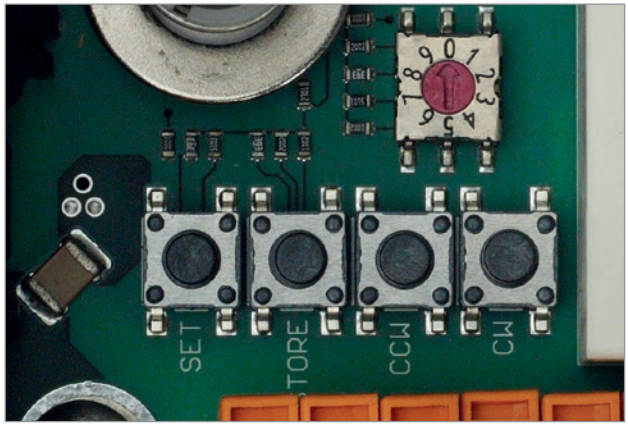
The new series of electric actuators from GF Piping Systems provides the highest reliability and ease of use. With smart additional functions, these actuators are ahead of their time.

+ Features & Benefits



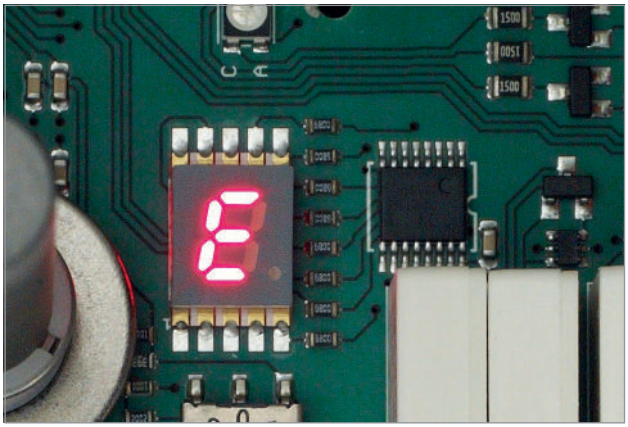
Clear display

In addition to the standard display, there is colour LED feedback. This enables easy and fast detection of the operating status at a glance – whether in low light conditions or from a distance. The different colours show the respective position of the actuator. The integrated relays allow feedback from up to three different actuating positions.



Easy set-up

Digital 360° position detection is used to clearly identify the actuating position. Ex factory, the actuator is adjusted to 0° and 90°. Readjustment by the user is possible at any time on site via four buttons. The buttons are easy to operate without any additional tools.



Intelligent feedback

The 7-segment error display ensures the highest level of security in case of a problem. Through various error codes, the cause of a problem can be clearly identified. A time and labour-intensive search is no longer necessary. Whether it's undervoltage, a position error or use of the emergency manual override – the display facilitates the identification of disruptions. The 'ready-to-operate' signal gives feedback on the process control system. The signal will drop in case of failure.

Universally Applicable Thanks to its Unlimited Flexibility

The standard interface ensures the use on various standard valves. Both for butterfly valves and ball valves, with and without manual override – the modularity is adapted to your needs. You get even more variety by being able to program a third position in addition to the end positions. This function can not only be used for a 2-way ball valve, but can also serve as an optimal middle position for a vertical or horizontal 3-way ball valve.

+ Modularity



Type 179-184
Ball valve 2-way type 546 with EA25 with manual override



Type 167-170
Ball valve 3-way type 543 with EA25



Type 179-184
Ball valve 2-way type 546 with EA120



Standard interface for easy and flexible installation on plastic and metal valves.



Signal from white luminous LED with programmed middle position indicating a third position.



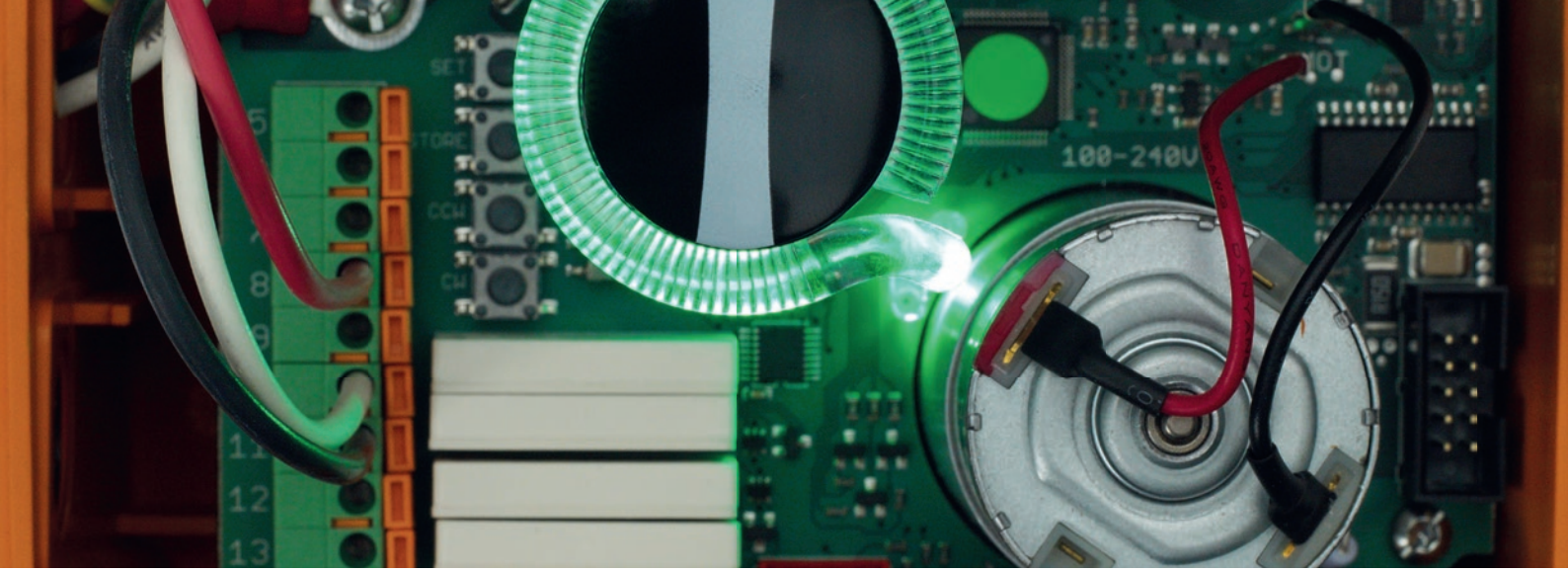
Type 146-147
Butterfly valve type 578 with EA120



Type 146-147
Butterfly valve type 578 with EA250

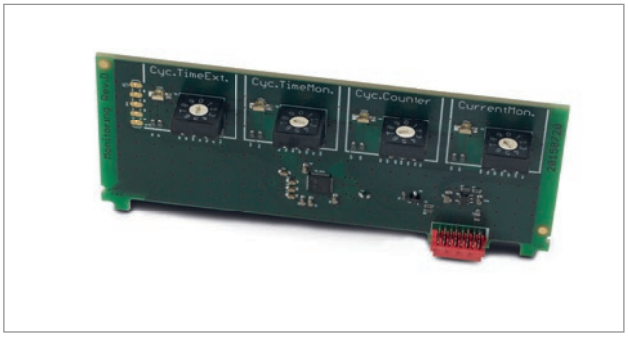


Type 145
Butterfly valve type 567 with EA250
with manual override



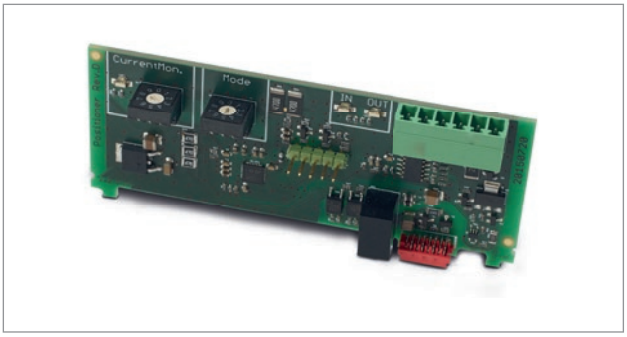
Accessories

The electric actuators EA15-250 can always be upgraded with smart accessories. Various additional functions provide the user with optimal automation possibilities. Corresponding circuit boards can be easily and quickly plugged into the housing.



Monitoring board for on/off operation (EA25-250)

The monitoring board allows four functions. Using it, the positioning time can be extended and monitored without much programming effort. In addition, a cycle counter and motor current monitor are integrated.



Positioner (EA25-250)

The positioner continuously regulates any valve position proportional to a pending set value. In addition, the motor current monitor is also integrated here, in order to set a limit for the torque.



Fail-safe return unit (EA15-250)

The fail-safe return unit ensures that during a power failure the actuator will be returned to a safety position. This addition can be integrated into the case without external wiring.

Profibus (EA25-250)

This accessory enables easy integration into an existing Profibus network. You will receive a Profibus DP V0 capable compact actuator with two M12 connectors for connection.

Technical details

EA15, EA25, EA45, EA120, EA250

Nominal voltage	AC: 100 – 230 V, 50/60 Hz
	AC/DC: 24 V, 50/60 Hz
Nominal voltage tolerance	± 15%
Protection class	IP 65 according to EN 60529
Pollution degree	2 according to EN 61010-1
Overload protection	Current/time dependent, resetting
Overvoltage category	II
Ambient temperature	-10 ° to +50 °C
Allowable humidity	Max. 90 % relative humidity, non condensing
Housing material	PP-GF for very good chemical resistance

	EA15	EA25	EA45	EA120	EA250
Nominal power	AC: 30 VA at 100–230 V	AC: 35 VA at 100–230 V	AC: 55 VA at 100–230 V	AC: 50 VA at 100–230 V	AC: 60 VA at 100–230 V
	AC/DC: 35 VA at 24 V	AC/DC: 40 VA at 24 V	AC/DC: 60 VA at 24 V	AC/DC: 55 VA at 24 V	AC/DC: 65 VA at 24 V
Nominal power	0.3A at 100V	0.35A at 100V	0.55A at 100V	0.5A at 100V	0.55A at 100V
	0.13A at 230V	0.15A at 230V	0.24A at 230V	0.22A at 230V	0.26A at 230V
	1.5A at 24V	1.7A at 24V	2.5A at 24V	2.3A at 24V	2.7A at 24V
Nominal torque Mdn (peak)	10 (20) Nm	10 (25) Nm	20 (45) Nm	60 (120) Nm	100 (250) Nm
Duty cycle	40% @ 25°C/15min	100%	50%	50%	35%
Cycle time s/90° at Mdn.	5 s	5 s	6 s	15 s	20 s
Flange fitting	F05	F05	F05	F07	F07
Tested cycles (at 20 °C and Mdn)	150 000	250 000	100 000	100 000	75 000
Weight	1.85 kg	2,1 kg	2,2 kg	3,6 kg	5,0 kg
Actuating angle	Max. 355°, set to 90°				



Worldwide at home

Our sales companies and representatives
ensure local customer support in over 100 countries

www.gfps.com

Argentina / Southern South America
Georg Fischer Central Plastics
Sudamérica S.R.L.
Buenos Aires, Argentina
Phone +54 11 4512 02 90
gfcentral.ps.ar@georgfischer.com
www.gfps.com/ar

Australia
George Fischer Pty Ltd
Riverwood NSW 2210 Australia
Phone +61 (0) 2 9502 8000
australia.ps@georgfischer.com
www.gfps.com/au

Austria
Georg Fischer
Rohrleitungssysteme GmbH
3130 Herzogenburg
Phone +43 (0) 2782 856 43-0
austria.ps@georgfischer.com
www.gfps.com/at

Belgium / Luxembourg
Georg Fischer NV/SA
1070 Bruxelles/Brüssel
Phone +32 (0) 2 556 40 20
be.ps@georgfischer.com
www.gfps.com/be

Brazil
Georg Fischer Sist. de Tub. Ltda.
04571-020 São Paulo/SP
Phone +55 (0)11 5525 1311
br.ps@georgfischer.com
www.gfps.com/br

Canada
Georg Fischer Piping Systems Ltd
Mississauga, ON L5T 2B2
Phone +1 (905) 670 8005
Fax +1 (905) 670 8513
ca.ps@georgfischer.com
www.gfps.com/ca

China
Georg Fischer Piping Systems Ltd
Shanghai 201319
Phone +86 21 3899 3899
china.ps@georgfischer.com
www.gfps.com/cn

Denmark / Iceland
Georg Fischer A/S
2630 Taastrup
Phone +45 (0) 70 22 19 75
info.dk.ps@georgfischer.com
www.gfps.com/dk

Finland
Georg Fischer AB
01510 VANTAA
Phone +358 (0) 9 586 58 25
Fax +358 (0) 9 586 58 29
info.fi.ps@georgfischer.com
www.gfps.com/fi

France
Georg Fischer SAS
95932 Roissy Charles de Gaulle Cedex
Phone +33 (0) 1 41 84 68 84
fr.ps@georgfischer.com
www.gfps.com/fr

Germany
Georg Fischer GmbH
73095 Albershausen
Phone +49 (0) 7161 302-0
info.de.ps@georgfischer.com
www.gfps.com/de

India
Georg Fischer Piping Systems Ltd
400 083 Mumbai
Phone +91 224007 2001
branchoffice@georgfischer.com
www.gfps.com/in

Indonesia
George Fischer Pte Ltd –
Representative Office
Phone +62 21 2900 8564
Fax +62 21 2900 8566
sgp.ps@georgfischer.com
www.gfps.com/sg

Italy
Georg Fischer S.p.A.
20063 Cernusco S/N (MI)
Phone +39 02 921 861
it.ps@georgfischer.com
www.gfps.com/it

Japan
Georg Fischer Ltd
556-0011 Osaka,
Phone +81 (0) 6 6635 2691
jp.ps@georgfischer.com
www.gfps.com/jp

Korea
GF Piping Systems
Georg Fischer Korea Co., Ltd.
Unit 2501, U-Tower
120 HeungdeokJungang-ro (Yeongdeok-dong)
Giheung-gu, Yongin-si, Gyeonggi-do, Korea
Phone: +82 31 8017 1450
Fax : +82 31 217 1454
kor.ps@georgfischer.com
www.gfps.com/kr

Malaysia
George Fischer (M) Sdn. Bhd.
40460 Shah Alam, Selangor Darul Ehsan
Phone +60 (0) 3 5122 5585
Fax +603 5122 5575
my.ps@georgfischer.com
www.gfps.com/my

Mexico / Northern Latin America
Georg Fischer S.A. de C.V.
Apodaca, Nuevo Leon
CP66636 Mexico
Phone +52 (81) 1340 8586
Fax +52 (81) 1522 8906
mx.ps@georgfischer.com
www.gfps.com/mx

Middle East
Georg Fischer
Piping Systems (Switzerland) Ltd
Dubai, United Arab Emirates
Phone +971 4 289 49 60
gcc.ps@georgfischer.com
www.gfps.com/int

Netherlands
Georg Fischer N.V.
8161 PA Epe
Phone +31 (0) 578 678 222
nl.ps@georgfischer.com
www.gfps.com/nl

Norway
Georg Fischer AS
1351 Rud
Phone +47 67 18 29 00
no.ps@georgfischer.com
www.gfps.com/no

Philippines
George Fischer Pte Ltd
Representative Office
Phone +632 571 2365
Fax +632 571 2368
sgp.ps@georgfischer.com
www.gfps.com/sg

Poland
Georg Fischer Sp. z o.o.
05-090 Sekocin Nowy
Phone +48 (0) 22 31 31 0 50
poland.ps@georgfischer.com
www.gfps.com/pl

Romania
Georg Fischer
Piping Systems (Switzerland) Ltd
020257 Bucharest - Sector 2
Phone +40 (0) 21 230 53 80
ro.ps@georgfischer.com
www.gfps.com/int

Russia
Georg Fischer
Piping Systems (Switzerland) Ltd
Moscow 125040
Phone +7 495 748 11 44
ru.ps@georgfischer.com
www.gfps.com/ru

Singapore
George Fischer Pte Ltd
11 Tampines Street 92, #04-01/07
528 872 Singapore
Phone +65 6747 0611
Fax +65 6747 0577
sgp.ps@georgfischer.com
www.gfps.com/sg

Spain / Portugal
Georg Fischer S.A.
28046 Madrid
Phone +34 (0) 91 781 98 90
es.ps@georgfischer.com
www.gfps.com/es

Sweden
Georg Fischer AB
117 43 Stockholm
Phone +46 (0) 8 506 775 00
info.se.ps@georgfischer.com
www.gfps.com/se

Switzerland
Georg Fischer
Rohrleitungssysteme (Schweiz) AG
8201 Schaffhausen
Phone +41 (0) 52 631 30 26
ch.ps@georgfischer.com
www.gfps.com/ch

Taiwan
Georg Fischer Co., Ltd
San Chung Dist., New Taipei City
Phone +886 2 8512 2822
Fax +886 2 8512 2823
www.gfps.com/tw

United Kingdom / Ireland
George Fischer Sales Limited
Coventry, CV2 2ST
Phone +44 (0) 2476 535 535
uk.ps@georgfischer.com
www.gfps.com/uk

USA / Caribbean
Georg Fischer LLC
9271 Jeronimo Road
92618 Irvine, CA
Phone +1 714 731 88 00
Fax +1 714 731 62 01
us.ps@georgfischer.com
www.gfps.com/us

International
Georg Fischer
Piping Systems (Switzerland) Ltd
8201 Schaffhausen/Switzerland
Phone +41 (0) 52 631 30 03
Fax +41 (0) 52 631 28 93
info.export@georgfischer.com
www.gfps.com/int

The technical data are not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

700.671.643
GFDO_6415_4a (08.16)
© Georg Fischer Piping Systems Ltd
CH-8201 Schaffhausen/Switzerland, 2016