

Butterfly Valve 565

Beats metal in every round

Lightweight, highly reliable
and cost-effective



A robust lightweight

Plastic Butterfly Valves have already proven to outperform metal valves in almost every way, thanks to a higher resistance against corrosion and a lighter weight. Now, a new generation has arrived to beat metal in cost-effectiveness, too.

The new Butterfly Valve 565 is the best choice for optimizing piping systems built for water applications and a wide range of other applications. This new generation comes at a significantly lower initial cost, and will save even more thanks to its lower static weight, requiring less energy for both operation and transportation. Installing the Butterfly Valve 565 is quick and easy, but thanks to its extremely high durability, it will be almost maintenance-free during its long service life.

+ Direct Replacement

The Butterfly Valve 565 comes in the same installation length as metal solutions. The exchange does not require any additional work on the pipes or new designs. This reduces the effort of both planning and installation, also thanks to a lighter weight.

+ 60% lighter

Thanks to its low weight, a single person can lift and install the Butterfly Valve 565 in just a few minutes. This also facilitates planning, since the low weight significantly reduces the need for costly transportation and personnel.

+ Highly reliable

The Butterfly Valve 565 is built to last. High-performance thermoplastics protect it from abrasion and corrosion. This guarantees a longer system lifetime, even under harsh conditions such as water hammers. The results are a reduction of both maintenance costs and production stops. Also in cooling applications the plastic solution has a clear advantage. The condensation is much lower.



+ Reduced costs

With the initial cost being comparable to metal solutions, the Butterfly Valve 565 outperforms its metal counterparts in the long run, reducing maintenance costs, thanks to its superior materials and design.

+ Ready for digitization

With its standard interface, the Butterfly Valve 565 can be upgraded with various modules, such as the smart actuator. This allows for automation and digitization of your systems, making them even more cost-effective and efficient.

+ Swiss quality

The Butterfly Valve 565 is produced by GF Piping Systems in Seewis (Grisons), Switzerland. High-quality valves have been produced here for over half a century. They combine technological innovation with the highest standards of material selection, manufacturing and quality testing for safety, durability and reliability.



To ensure the high quality standard, the butterfly valves are tested under the toughest conditions in a test stand.

How plastic wins against corrosion and gravity

More than half a century ago, GF Piping Systems decided to switch from metal to plastic. This was both a revolutionary and a forward-looking step, as the disadvantages of metal have proven to be the advantages of plastic. The Butterfly Valve 565 is the newest product of this innovation process, outperforming its metal counterparts in many ways.



✓	Short installation length	✓
✓	Light weight	✗
✓	Corrosion resistant	✗
✓	High p/T performance	✓

Technical Data

Dimension	DN50-300, 2" - 12"
Pressure rating	DN50-150: PN16 / DN200-250: PN10 / DN300: PN6
Materials	Wafer: fibre reinforced polyamide (PA6-60) Disc: PVDF with fibre reinforced polyamide (PA6.12-GF60)
Sealing material	EPDM, FKM
Shaft material	Stainless steel, 1.4104 (430 F), Other shaft material on request.
Installation length	EN558 row 20, ISO 5752 row 20, API 609 table 2
Flange standards	ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
Mounting flange	EN ISO 5211
Leak test	ISO 9393-2, EN 12266 (leak rate A), ISO 5208 (Rate A)
Approvals	Multiple approvals available on request
Actuation variants	Manual: lockable hand lever or reduction gear with hand wheel, reduction gear with clamp-on chain wheel Pneumatic: FC; FO; DA Electric: AC: 100, 230 V, AC/DC: 24 V, Smart Version
Accessoires	Double sensor for electrical position feedback

Sustainably future-proof

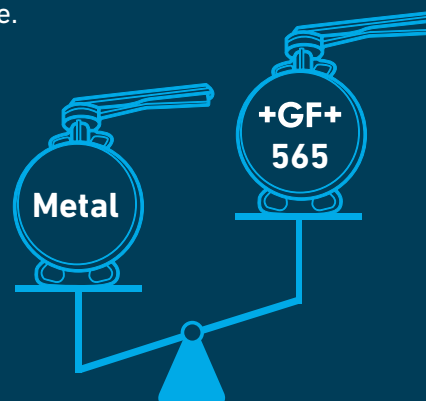
GF Piping Systems is making flow sustainable: Environmental regulations, water scarcity and an increasing demand of consumers and society for greener and more sustainable solutions are an important set of trends shaping customer behavior. The Butterfly Valve 565 is another important milestone in building a more sustainable future.

+ Lower production footprint

The waste of energy and resources in industrial production is reduced further by the long service life, thanks to a higher resistance against corrosion.

+ Lower overall costs

The low weight of the plastic material reduces the energy and resources needed for transport and installation. After installation, the advantages of the reduced static weight can become even more significant.



+ 10 tons weight saved

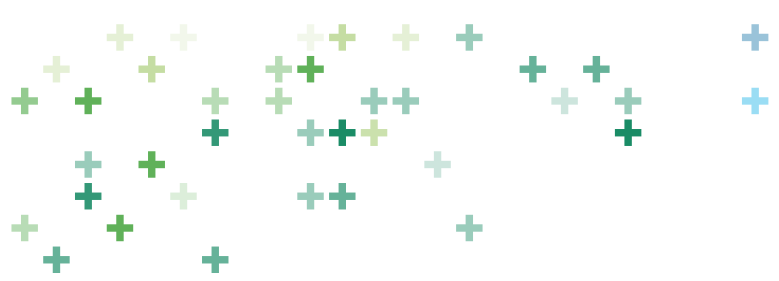
Replacing 600 metal butterfly valves with the new plastic Butterfly Valve 565 will save up to 10 tons in weight and reduce CO₂ emissions.

Do you want to know more about the sustainability of the valve? We carried out a LCA/EPD for the valve. Get in contact with your local sales company.

Superior material meets modular design

When something is built to last, it is all the more important that it can be flexibly adapted to changing requirements. For high-quality plastic materials optimized for durability, modular design is the perfect match. The standard interface also ensures that the Butterfly Valve 565 stays upgradeable during its long lifespan, fit for the ever-evolving future.





Modular process automation

Smart actuator for more efficiency in the work process

The smart actuator makes full use of the possibilities of digitization: Thanks to the app, you can access it at any time in order to read data or carry out settings, for example. This makes work easier and more efficient than ever before.

Electric actuator for highest reliability and ease of use

Powered by an electric motor, electrical actuators are highly reliable and very easy to set up and operate. In addition, the latest generation of actuators offers many intelligent features. Modular accessories such as electric interfaces, integrated battery-powered fail-safe units and visual system feedback are also available.

Pneumatic actuator for reliable operation

The pneumatic actuators are suitable for a wide range of environments and guarantee high levels of safety and reliability thanks to their fail-safe operation, robust design and high functionality, such as fast cycle times and adjustable travel. They are an economical, functional and reliable solution, especially for installations with a high number of actuated valves.

Reduction gear with handwheel

The reduction gear with handwheel allows reliable, manual operation of the Butterfly Valve 565. Worm gears ensure that only minimal physical effort is required. They can fully open and close and are useful for high-stress situations.

Monitoring by the double sensor

The optional LED position feedback allows the current position of the valve to be centrally recorded and checked at any time – for manually operated and automated valves. The compact dual sensor fits even in the most tight areas and is protected against ingress of water and dust.

Information via Data-Matrix-Code

The Data-Matrix-Code simplifies the storage of all technical information for each individual valve and thus enables individual traceability. The faultless identification of each Butterfly Valve 565 facilitates easy installation, service and repair.

Find out more
www.gfps.com/565

Butterfly Valve 565

Product range



Butterfly Valve 565



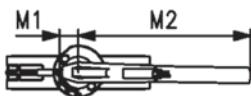
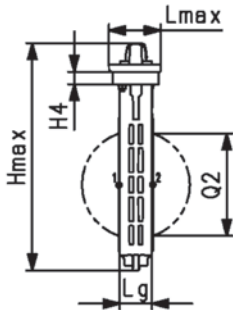
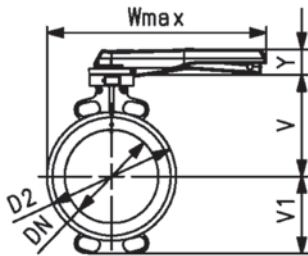
Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF
With hand lever
Flange standard metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Lockable ergonomic lever
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

- Individual configuration of the valve possible
- Pneumatic or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (l/min)	EPDM Code	SP	Weight (kg)	FKM Code	SP	Weight (kg)
50	16	63	2	1445	199 565 000	1	1.3	199 565 020	1	1.4
65	16	75	2 ½	2530	199 565 001	1	1.5	199 565 021	1	1.6
80	16	90	3	4020	199 565 002	1	1.7	199 565 022	1	1.8
100	16	110	4	5850	199 565 003	1	2.5	199 565 023	1	2.7
125	16	140	5	11900	199 565 004	1	3.1	199 565 024	1	3.3
150	16	160	6	18050	199 565 005	1	4.0	199 565 025	1	4.3
200	10	225	8	43667	199 565 006	1	5.3	199 565 026	1	5.7

DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	M1 (mm)	M2 (mm)	Y (mm)	Q2 (mm)
50	100.0	264.0	249.5	96.0	23.0	133.5	63.0	43.0	35.5	204.5	53.0	28.5
65	121.0	271.0	275.5	96.0	23.0	140.0	82.0	46.0	35.5	204.5	53.0	44.0
80	138.0	273.5	288.0	96.0	23.0	146.0	89.0	46.0	35.5	204.5	53.0	63.5
100	158.5	334.0	324.0	96.0	23.0	166.5	104.0	52.0	35.5	254.5	53.0	84.0
125	187.0	348.0	351.0	96.0	23.0	180.0	118.0	56.0	35.5	254.5	53.0	110.5
150	213.0	426.0	372.5	96.0	23.0	189.0	130.5	56.0	35.5	319.5	53.0	137.5
200	267.0	453.0	422.0	96.0	23.0	209.5	159.0	60.0	35.5	319.5	53.0	190.5



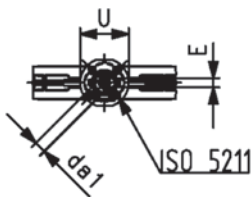
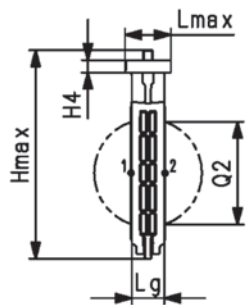
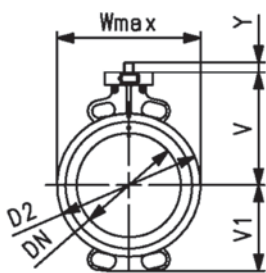
Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF
Bare shaft
Flange standard metric/ANSI/BS/JIS Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

- Individual configuration of the valve possible
- Hand (lockable), pneumatic or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (L/min)	Acc.to ISO 5211	EPDM Code	SP	Weight (kg)
50	16	63	2	1445	F07	199 565 100	1	0.9
65	16	75	2 ½	2530	F07	199 565 101	1	1.1
80	16	90	3	4020	F07	199 565 102	1	1.3
100	16	110	4	5850	F07	199 565 103	1	2.0
125	16	140	5	11900	F07	199 565 104	1	2.6
150	16	160	6	18050	F07	199 565 105	1	3.7
200	10	225	8	43667	F07	199 565 106	1	4.7
250	10	280	10	62333	F10	199 565 107	1	8.8
300	6	315	12	94500	F10	199 565 108	1	12.6

DN (mm)	FKM Code	SP	Weight (kg)
50	199 565 120	1	1.0
65	199 565 121	1	1.2
80	199 565 122	1	1.4
100	199 565 123	1	2.2
125	199 565 124	1	2.9
150	199 565 125	1	3.8
200	199 565 126	1	5.2
250	199 565 127	1	9.5
300	199 565 128	1	13.7

DN (mm)	D2 (mm)	Wmax (mm)	Lmax (mm)	Hmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	da1 (mm)	E (mm)	U (mm)	Y (mm)	Q2 (mm)
50	100.0	118.5	85.5	222.5	23.0	133.5	63.0	43.0	14.1	11.0	90.0	27.0	28.5
65	121.0	132.5	85.5	248.5	23.0	140.0	82.0	46.0	14.1	11.0	90.0	27.0	44.0
80	138.0	138.0	85.5	261.0	23.0	146.0	89.0	46.0	14.1	11.0	90.0	27.0	63.5
100	158.5	158.5	85.5	286.0	23.0	166.5	104.0	52.0	18.1	14.0	90.0	16.0	84.0
125	187.0	187.0	85.5	313.5	23.0	180.0	118.0	56.0	18.1	14.0	90.0	16.0	110.5
150	213.0	213.0	85.5	337.5	23.0	189.0	130.5	56.0	22.2	17.0	90.0	19.0	137.5
200	267.0	267.0	85.5	387.0	23.0	209.5	159.0	60.0	22.2	17.0	90.0	18.5	190.5
250	325.5	325.5	125.0	498.5	23.0	262.5	195.5	68.0	28.2	22.0	125.0	40.5	239.0
300	380.0	380.0	125.0	555.0	23.0	284.5	230.5	78.0	28.2	22.0	125.0	40.5	285.5



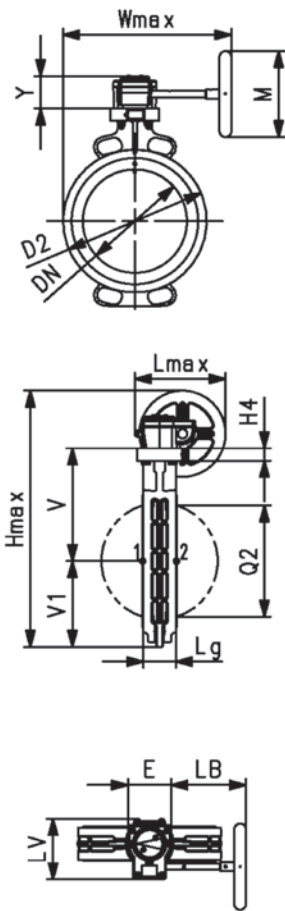
Wafer-style, intermediate installation butterfly valve type 565 manual PVDF/PA-GF
With gear box
Wafer style metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double sensor can be ordered as accessory

Option:

- Individual configuration of the valve possible
- Hand (lockable hand lever), pneumatic or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (L/min)	EPDM Code	SP Weight (kg)	FKM Code	SP Weight (kg)		
50	16	63	2	1445	199 565 200	1	3.0	199 565 220	1	3.1
65	16	75	2 ½	2530	199 565 201	1	3.2	199 565 221	1	3.3
80	16	90	3	4020	199 565 202	1	3.4	199 565 222	1	3.5
100	16	110	4	5850	199 565 203	1	4.2	199 565 223	1	4.3
125	16	140	5	11900	199 565 204	1	4.7	199 565 224	1	5.0
150	16	160	6	18050	199 565 205	1	5.5	199 565 225	1	5.8
200	10	225	8	43667	199 565 206	1	6.7	199 565 226	1	7.2
250	10	280	10	62333	199 565 207	1	12.7	199 565 227	1	13.4
300	6	315	12	94500	199 565 208	1	16.5	199 565 228	1	17.6

DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	LB (mm)	LV (mm)	M (mm)	Y (mm)
50	100.0	238.5	303.0	169.0	23.0	133.5	63.0	43.0	80.0	128.0	112.5	160.0	61.5
65	121.0	246.0	329.0	169.0	23.0	140.0	82.0	46.0	80.0	128.0	112.5	160.0	61.5
80	138.0	248.5	341.5	169.0	23.0	146.0	89.0	46.0	80.0	128.0	112.5	160.0	61.5
100	158.5	258.5	377.5	169.0	23.0	166.5	104.0	52.0	80.0	128.0	112.5	160.0	61.5
125	187.0	272.0	405.0	169.0	23.0	180.0	118.0	56.0	80.0	128.0	112.5	160.0	61.5
150	213.0	285.5	426.5	169.0	23.0	189.0	130.5	56.0	80.0	128.0	112.5	160.0	61.5
200	267.0	312.5	475.5	169.0	23.0	209.5	159.0	60.0	80.0	128.0	112.5	160.0	61.5
250	325.5	360.5	603.0	212.5	23.0	262.5	195.5	68.0	100.0	135.5	130.0	200.0	68.5
300	380.0	387.5	659.5	212.5	23.0	284.5	230.5	78.0	100.0	135.5	130.0	200.0	68.5

DN (mm)	Q2 (mm)
50	28.5
65	44.0
80	63.5
100	84.0
125	110.5
150	137.5
200	190.5
250	239.0
300	285.5



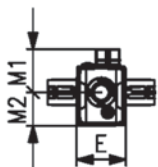
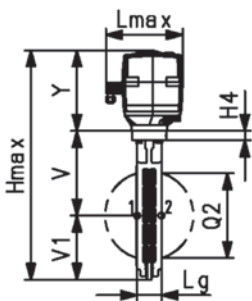
Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF
With electric actuator 230V
Without manual override
Flange standard metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 100-230V, 50-60Hz
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Manual override integrated in electric actuator
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double sensor can be ordered as accessory

Option:

- Individual configuration of the valve possible
- Hand or pneumatic actuators from GF
- Double sensor for electrical position feedback incl. LED feedback
- Optional accessories: Fail-safe return unit, Monitoring board, Position controller, Profibus DP board
- Additional manual override between valve and actuator



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (L/min)	Actuator	EPDM Code	SP	Weight (kg)
50	10	63	2	1445	EA45	199 565 300	1	3.3
65	10	75	2 ½	2530	EA120	199 565 301	1	4.6
80	10	90	3	4020	EA120	199 565 302	1	4.7
100	10	110	4	5850	EA120	199 565 303	1	5.6
125	10	140	5	11900	EA120	199 565 304	1	6.1
150	10	160	6	18050	EA250	199 565 305	1	8.7
200	10	225	8	43667	EA250	199 565 306	1	10.0
250	6	280	10	62333	EA250	199 565 307	1	14.5
300	4	315	12	94500	EA250	199 565 308	1	18.2

DN (mm)	FKM Code	SP	Weight (kg)
50	199 565 320	1	3.4
65	199 565 321	1	4.7
80	199 565 322	1	4.8
100	199 565 323	1	5.8
125	199 565 324	1	6.4
150	199 565 325	1	9.0
200	199 565 326	1	10.5
250	199 565 327	1	15.2
300	199 565 328	1	19.4

DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M1 (mm)	M2 (mm)	Y (mm)	Q2 (mm)
50	100.0	122.5	377.5	190.0	23.0	133.5	63.0	43.0	122.5	107.5	83.0	166.5	28.5
65	121.0	132.5	411.5	190.0	23.0	140.0	82.0	46.0	122.5	107.5	83.0	189.5	44.0
80	138.0	137.5	424.0	190.0	23.0	146.0	89.0	46.0	122.5	107.5	83.0	189.5	63.5
100	158.5	158.5	459.5	190.0	23.0	166.5	104.0	52.0	122.5	107.5	83.0	189.5	84.0
125	187.0	187.0	487.5	190.0	23.0	180.0	118.0	56.0	122.5	107.5	83.0	189.5	110.5
150	213.0	213.0	518.5	190.0	23.0	189.0	130.5	56.0	122.5	107.5	83.0	199.5	137.5
200	267.0	267.0	568.0	190.0	23.0	209.5	159.0	60.0	122.5	107.5	83.0	199.5	190.5
250	325.5	325.5	674.5	190.0	23.0	262.5	195.5	68.0	122.5	107.5	83.0	216.5	239.0
300	380.0	380.0	731.0	190.0	23.0	284.5	230.5	78.0	122.5	107.5	83.0	216.5	285.5



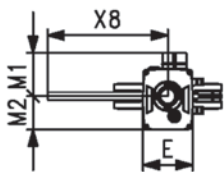
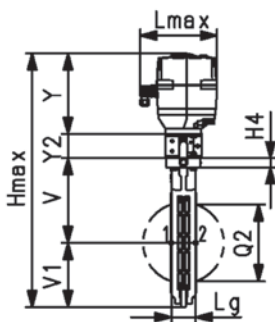
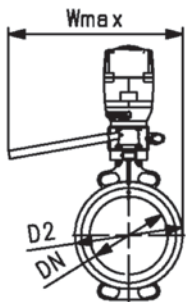
Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF
With electric actuator 230V
With manual override
Flange standard metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 100-230V, 50-60Hz
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- With additional manual override between valve and actuator
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double sensor can be ordered as accessory

Option:

- Individual configuration of the valve possible
- Hand or pneumatic actuators from GF
- Double sensor for electrical position feedback incl. LED feedback
- Optional accessories: Fail-safe return unit, Monitoring board, Position controller, Profibus DP board



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (L/min)	Actuator	EPDM Code	SP	Weight (kg)
50	10	63	2	1445	EA120	199 565 340	1	5.5
65	10	75	2 ½	2530	EA120	199 565 341	1	5.8
80	10	90	3	4020	EA120	199 565 342	1	5.9
100	10	110	4	5850	EA120	199 565 343	1	6.6
125	10	140	5	11900	EA120	199 565 344	1	7.1
150	10	160	6	18050	EA250	199 565 345	1	9.7
200	10	225	8	43667	EA250	199 565 346	1	11.0

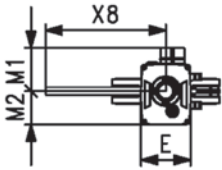
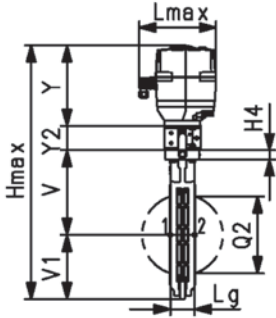
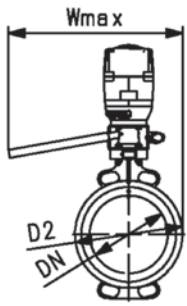
DN (mm)	FKM Code	SP	Weight (kg)
50	199 565 360	1	5.6
65	199 565 361	1	5.9
80	199 565 362	1	6.0
100	199 565 363	1	6.8
125	199 565 364	1	7.4
150	199 565 365	1	10.0
200	199 565 366	1	11.5

DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M1 (mm)	M2 (mm)	X8 (mm)	Y (mm)
50	100.0	385.5	96.0	190.0	23.0	133.5	63.0	43.0	122.5	107.5	83.0	297.5	189.5
65	121.0	385.5	96.0	190.0	23.0	140.0	82.0	46.0	122.5	107.5	83.0	297.5	189.5
80	138.0	385.5	96.0	190.0	23.0	146.0	89.0	46.0	122.5	107.5	83.0	297.5	189.5
100	158.5	385.5	96.0	190.0	23.0	166.5	104.0	52.0	122.5	107.5	83.0	297.5	189.5
125	187.0	385.5	189.5	190.0	23.0	180.0	118.0	56.0	122.5	107.5	83.0	297.5	189.5
150	213.0	385.5	106.0	190.0	23.0	189.0	130.5	56.0	122.5	107.5	83.0	297.5	199.5
200	267.0	385.5	106.0	190.0	23.0	209.5	159.0	60.0	122.5	107.5	83.0	297.5	199.5

DN (mm)	Y2 (mm)	Q2 (mm)
50	60.0	28.5
65	60.0	44.0
80	60.0	63.5

table continued on the next page

DN	Y2	Q2
(mm)	(mm)	(mm)
100	60.0	84.0
125	60.0	110.5
150	60.0	137.5
200	60.0	190.5





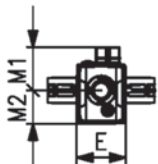
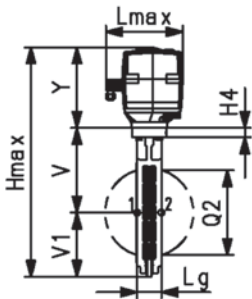
**Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF
With electric actuator 24V
Without manual override
Wafer style metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems**

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 24V AC/DC
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Manual override integrated in electric actuator
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double sensor can be ordered as accessory

Option:

- Individual configuration of the valve possible
- Hand or pneumatic actuators from GF
- Double sensor for electrical position feedback incl. LED feedback
- Optional accessories: Fail-safe return unit, Monitoring board, Position controller, Profibus DP board
- Additional manual override between valve and actuator



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (L/min)	Actuator	EPDM Code	SP	Weight (kg)
50	10	63	2	1445	EA45	199 565 400	1	3.3
65	10	75	2 ½	2530	EA120	199 565 401	1	4.6
80	10	90	3	4020	EA120	199 565 402	1	4.7
100	10	110	4	5850	EA120	199 565 403	1	5.6
125	10	140	5	11900	EA120	199 565 404	1	6.1
150	10	160	6	18050	EA250	199 565 405	1	8.7
200	10	225	8	43667	EA250	199 565 406	1	10.0
250	6	280	10	62333	EA250	199 565 407	1	14.5
300	4	315	12	94500	EA250	199 565 408	1	18.2

DN (mm)	FKM Code	SP	Weight (kg)
50	199 565 420	1	3.4
65	199 565 421	1	4.7
80	199 565 422	1	4.8
100	199 565 423	1	5.8
125	199 565 424	1	6.4
150	199 565 425	1	9.0
200	199 565 426	1	10.5
250	199 565 427	1	15.2
300	199 565 428	1	19.4

DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M1 (mm)	M2 (mm)	Y (mm)	Q2 (mm)
50	100.0	122.5	377.5	190.0	23.0	133.5	63.0	43.0	122.5	107.5	83.0	166.5	28.5
65	121.0	132.5	411.5	190.0	23.0	140.0	82.0	46.0	122.5	107.5	83.0	189.5	44.0
80	138.0	137.5	424.0	190.0	23.0	146.0	89.0	46.0	122.5	107.5	83.0	189.5	63.5
100	158.5	158.5	459.5	190.0	23.0	166.5	104.0	52.0	122.5	107.5	83.0	189.5	84.0
125	187.0	187.0	487.5	190.0	23.0	180.0	118.0	56.0	122.5	107.5	83.0	189.5	110.5
150	213.0	213.0	518.5	190.0	23.0	189.0	130.5	56.0	122.5	107.5	83.0	199.5	137.5
200	267.0	267.0	568.0	190.0	23.0	209.5	159.0	60.0	122.5	107.5	83.0	199.5	190.5
250	325.5	325.5	674.5	190.0	23.0	262.5	195.5	68.0	122.5	107.5	83.0	216.5	239.0
300	380.0	380.0	731.0	190.0	23.0	284.5	230.5	78.0	122.5	107.5	83.0	216.5	285.5



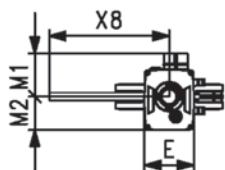
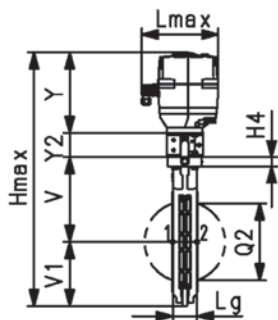
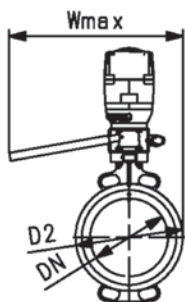
Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF
With electric actuator 24V
With manual override
Wafer style metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 24V AC/DC
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Manual override integrated in electric actuator
- With additional manual override between valve and actuator
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double sensor can be ordered as accessory

Option:

- Individual configuration of the valve possible
- Hand or pneumatic actuators from GF
- Double sensor for electrical position feedback incl. LED feedback
- Optional accessories: Fail-safe return unit, Monitoring board, Position controller, Profibus DP board



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (l/min)	Actuator	EPDM Code	SP	Weight (kg)
50	10	63	2	1445	EA120	199 565 440	1	5.5
65	10	75	2 ½	2530	EA120	199 565 441	1	5.8
80	10	90	3	4020	EA120	199 565 442	1	5.9
100	10	110	4	5850	EA120	199 565 443	1	6.6
125	10	140	5	11900	EA120	199 565 444	1	7.1
150	10	160	6	18050	EA250	199 565 445	1	9.7
200	10	225	8	43667	EA250	199 565 446	1	11.0

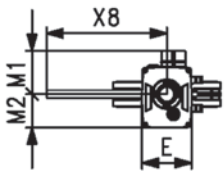
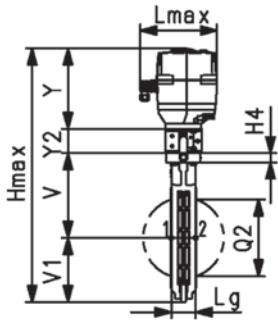
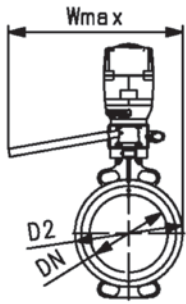
DN (mm)	FKM Code	SP	Weight (kg)
50	199 565 460	1	5.6
65	199 565 461	1	5.9
80	199 565 462	1	6.0
100	199 565 463	1	6.8
125	199 565 464	1	7.4
150	199 565 465	1	10.0
200	199 565 466	1	11.5

DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M1 (mm)	M2 (mm)	X8 (mm)	Y (mm)
50	100.0	385.5	96.0	190.0	23.0	133.5	63.0	43.0	122.5	107.5	83.0	297.5	189.5
65	121.0	385.5	96.0	190.0	23.0	140.0	82.0	46.0	122.5	107.5	83.0	297.5	189.5
80	138.0	385.5	96.0	190.0	23.0	146.0	89.0	46.0	122.5	107.5	83.0	297.5	189.5
100	158.5	385.5	96.0	190.0	23.0	166.5	104.0	52.0	122.5	107.5	83.0	297.5	189.5
125	187.0	385.5	189.5	190.0	23.0	180.0	118.0	56.0	122.5	107.5	83.0	297.5	189.5
150	213.0	385.5	106.0	190.0	23.0	189.0	130.5	56.0	122.5	107.5	83.0	297.5	199.5
200	267.0	385.5	106.0	190.0	23.0	209.5	159.0	60.0	122.5	107.5	83.0	297.5	199.5

DN (mm)	Y2 (mm)	Q2 (mm)
50	60.0	28.5
65	60.0	44.0
80	60.0	63.5

table continued on the next page

DN	Y2	Q2
(mm)	(mm)	(mm)
100	60.0	84.0
125	60.0	110.5
150	60.0	137.5
200	60.0	190.5





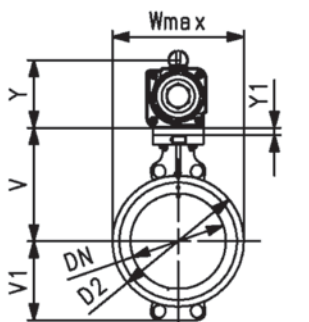
Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF
With pneumatic actuator - fail safe to close (FC)
Wafer style metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

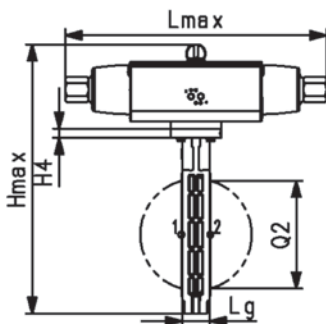
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 1-2s
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double sensor can be ordered as accessory

Option:

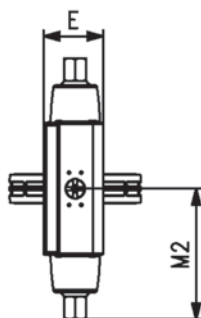
- Individual configuration of the valve possible
- Hand or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (l/min)	Actuator	EPDM Code	SP	Weight (kg)
50	10	63	2	1445	PA30	199 565 500	1	3.2
65	10	75	2 ½	2530	PA30	199 565 501	1	3.5
80	10	90	3	4020	PA35	199 565 502	1	4.3
100	10	110	4	5850	PA40	199 565 503	1	5.9
125	10	140	5	11900	PA45	199 565 504	1	7.9
150	10	160	6	18050	PA50	199 565 505	1	10.7
200	10	225	8	43667	PA60	199 565 506	1	16.4
250	10	280	10	62333	PA65	199 565 507	1	25.5
300	6	315	12	94500	PA70	199 565 508	1	32.1



DN (mm)	FKM Code	SP	Weight (kg)
50	199 565 520	1	3.3
65	199 565 521	1	3.6
80	199 565 522	1	4.4
100	199 565 523	1	6.1
125	199 565 524	1	8.2
150	199 565 525	1	11.0
200	199 565 526	1	16.9
250	199 565 527	1	26.2
300	199 565 528	1	33.3



DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M2 (mm)	Y (mm)	Y1 (mm)	Q2 (mm)
50	100.0	118.5	309.5	274.5	23.0	133.5	63.0	43.0	70.5	137.2	98.5	15.0	28.5
65	121.0	132.5	335.5	275.5	23.0	140.0	82.0	46.0	70.5	137.2	98.5	15.0	44.0
80	138.0	138.0	361.0	325.5	23.0	146.0	89.0	46.0	83.5	162.6	111.5	15.0	63.5
100	158.5	158.5	385.5	359.5	23.0	166.5	104.0	52.0	87.0	179.8	115.0	0.0	84.0
125	187.0	187.0	447.5	418.0	23.0	180.0	118.0	56.0	107.5	209.0	149.5	0.0	110.5
150	213.0	213.0	472.5	434.0	23.0	189.0	130.5	56.0	111.5	217.0	153.5	0.0	137.5
200	267.0	267.0	545.5	547.5	23.0	209.5	159.0	60.0	135.0	273.6	177.0	0.0	190.5
250	325.5	325.5	666.0	681.0	23.0	262.5	195.5	68.0	148.0	323.0	190.0	18.0	239.0
300	380.0	380.0	743.0	681.0	23.0	284.5	230.5	78.0	168.0	340.5	210.5	18.0	285.5



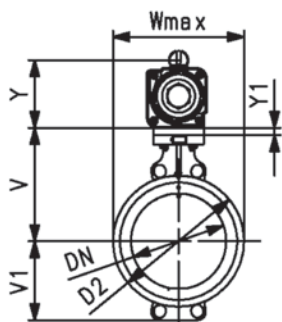
Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF
With pneumatic actuator - fail safe to open (FO)
Wafer style metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

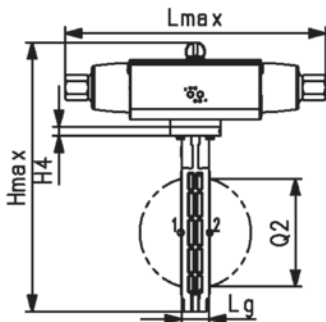
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 1-2s
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double sensor can be ordered as accessory

Option:

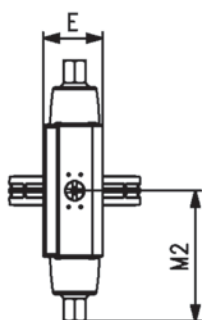
- Individual configuration of the valve possible
- Hand or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (l/min)	Actuator	EPDM Code	SP	Weight (kg)
50	10	63	2	1445	PA30	199 565 540	1	3.2
65	10	75	2 ½	2530	PA30	199 565 541	1	3.5
80	10	90	3	4020	PA35	199 565 542	1	4.3
100	10	110	4	5850	PA40	199 565 543	1	5.9
125	10	140	5	11900	PA45	199 565 544	1	7.9
150	10	160	6	18050	PA50	199 565 545	1	10.7
200	10	225	8	43667	PA60	199 565 546	1	14.8
250	10	280	10	62333	PA65	199 565 547	1	28.4
300	6	315	12	94500	PA70	199 565 548	1	32.1



DN (mm)	FKM Code	SP	Weight (kg)
50	199 565 560	1	3.3
65	199 565 561	1	3.6
80	199 565 562	1	4.4
100	199 565 563	1	6.1
125	199 565 564	1	8.2
150	199 565 565	1	11.0
200	199 565 566	1	15.3
250	199 565 567	1	29.1
300	199 565 568	1	33.3



DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M2 (mm)	Y (mm)	Y1 (mm)	Q2 (mm)
50	100.0	118.5	309.5	274.5	23.0	133.5	63.0	43.0	70.5	137.5	98.5	15.0	28.5
65	121.0	132.5	335.5	275.5	23.0	140.0	82.0	46.0	70.5	137.5	98.5	15.0	44.0
80	138.0	138.0	361.0	325.5	23.0	146.0	89.0	46.0	83.5	163.0	111.5	15.0	63.5
100	158.5	158.5	385.5	359.5	23.0	166.5	104.0	52.0	87.0	180.0	115.0	0.0	84.0
125	187.0	187.0	447.5	418.0	23.0	180.0	118.0	56.0	107.5	209.0	149.5	0.0	110.5
150	213.0	213.0	472.5	434.0	23.0	189.0	130.5	56.0	111.5	217.0	153.5	0.0	137.5
200	267.0	267.0	545.5	547.5	23.0	209.5	159.0	60.0	135.0	274.0	177.0	0.0	190.5
250	325.5	325.5	666.0	681.0	23.0	262.5	195.5	68.0	148.0	323.0	190.0	18.0	239.0
300	380.0	380.0	743.0	681.0	23.0	284.5	230.5	78.0	168.0	340.5	210.5	18.0	285.5



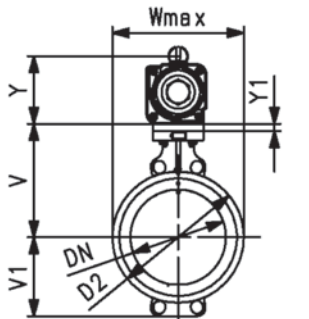
Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF
With pneumatic actuator - double acting (DA)
Wafer style metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

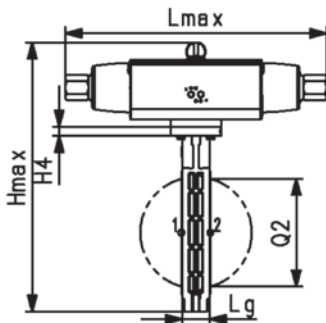
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 1-2s
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double sensor can be ordered as accessory

Option:

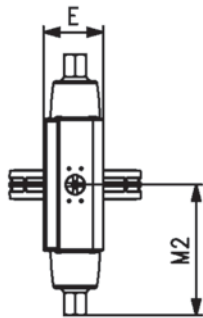
- Individual configuration of the valve possible
- Hand or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (L/min)	Actuator	EPDM Code	SP	Weight (kg)
50	10	63	2	1445	PA35	199 565 600	1	2.6
65	10	75	2 ½	2530	PA35	199 565 601	1	2.9
80	10	90	3	4020	PA40	199 565 602	1	3.4
100	10	110	4	5850	PA45	199 565 603	1	4.5
125	10	140	5	11900	PA45	199 565 604	1	5.1
150	10	160	6	18050	PA55	199 565 605	1	7.7
200	10	225	8	43667	PA60	199 565 606	1	10.7
250	10	280	10	62333	PA65	199 565 607	1	16.9
300	6	315	12	94500	PA70	199 565 608	1	22.4



DN (mm)	FKM Code	SP	Weight (kg)
50	199 565 620	1	2.7
65	199 565 621	1	3.0
80	199 565 622	1	3.5
100	199 565 623	1	4.7
125	199 565 624	1	5.4
150	199 565 625	1	8.0
200	199 565 626	1	11.2
250	199 565 627	1	17.6
300	199 565 628	1	23.6



DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M2 (mm)	Y (mm)	Y1 (mm)	Q2 (mm)
50	100.0	118.5	303.5	196.5	23.0	133.5	63.0	43.0	64.5	98.5	92.5	15.0	28.5
65	121.0	132.5	329.5	196.5	23.0	140.0	82.0	46.0	64.5	98.5	92.5	15.0	44.0
80	138.0	138.0	348.0	206.0	23.0	146.0	89.0	46.0	70.5	103.0	98.5	15.0	63.5
100	158.5	158.5	381.5	242.0	23.0	166.5	104.0	52.0	83.5	121.0	111.5	0.0	84.0
125	187.0	187.0	409.0	242.0	23.0	180.0	118.0	56.0	83.5	121.0	111.5	0.0	110.5
150	213.0	213.0	468.5	290.5	23.0	189.0	130.5	56.0	107.5	145.5	149.5	0.0	137.5
200	267.0	267.0	522.0	314.0	23.0	209.5	159.0	60.0	111.5	157.0	153.5	0.0	190.5
250	325.5	325.5	636.0	340.0	23.0	262.5	195.5	68.0	118.0	170.0	160.0	18.0	239.0
300	380.0	380.0	709.5	382.5	23.0	284.5	230.5	78.0	135.0	191.5	177.0	18.0	285.5



Butterfly Valve Type 565 PPA Pneumatic Actuator, DA (Double acting)

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)

Option:

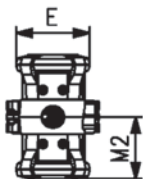
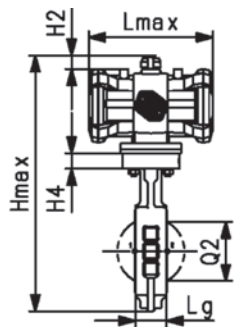
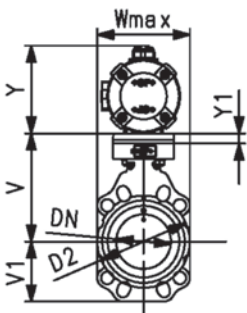
- Individual configuration of the valve possible
- Hand or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback
- Optional accessories: Fail-safe return unit, Monitoring board, Position controller, Profibus DP board

d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-value ($\Delta p=1$ bar) (l/min)	Actuator	EPDM Code	SP	Weight (kg)
63	50	2	PN10	1445	PPA40	199 565 630	1	2.396
75	65	2 ½	PN10	2530	PPA40	199 565 631	1	2.664
90	80	3	PN10	4020	PPA40	199 565 632	1	2.854

d (mm)	DN (mm)	Size (inch)	FKM Code	SP	Weight (kg)
63	50	2	199 565 690	1	2.396
75	65	2 ½	199 565 691	1	2.664
90	80	3	199 565 692	1	2.854

d (mm)	DN (mm)	Size (inch)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H2 (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M2 (mm)	Y (mm)
63	50	2	100.0	121.2	341.2	183.5	20.0	23.0	133.5	63.0	43.0	119.5	91.8	111.0
75	65	2 ½	121.0	132.5	367.1	183.5	20.0	23.0	140.0	82.0	46.0	119.5	91.8	111.0
90	80	3	138.0	138.0	379.8	183.5	20.0	23.0	146.0	89.0	46.0	119.5	91.8	111.0

d (mm)	DN (mm)	Size (inch)	Y1 (mm)	Q2 (mm)
63	50	2	15.0	28.5
75	65	2 ½	15.0	44.0
90	80	3	15.0	63.5





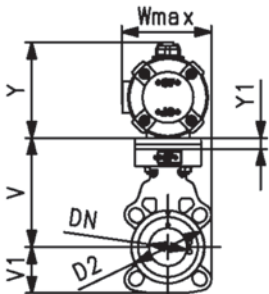
Butterfly Valve Type 565 PPA
Pneumatic Actuator, FC (Fail safe to close)

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)

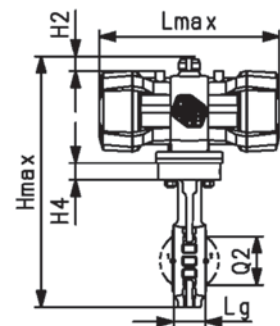
Option:

- Individual configuration of the valve possible
- Hand or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback
- Optional accessories: Fail-safe return unit, Monitoring board, Position controller, Profibus DP board



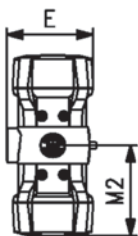
d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-value ($\Delta p=1$ bar) (l/min)	Actuator	EPDM Code	SP	Weight (kg)
63	50	2	PN10	1445	PPA40	199 565 650	1	2.922
75	65	2 ½	PN10	2530	PPA80	199 565 651	1	4.905
90	80	3	PN10	4020	PPA80	199 565 652	1	5.075

d (mm)	DN (mm)	Size (inch)	FKM Code	SP	Weight (kg)
63	50	2	199 565 660	1	2.922
75	65	2 ½	199 565 661	1	4.905
90	80	3	199 565 662	1	5.075



d (mm)	DN (mm)	Size (inch)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H2 (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M2 (mm)	Y (mm)
63	50	2	100	121.2	341.2	245.5	20.0	23.0	133.5	63.0	43.0	119.5	122.8	111.0
75	65	2 ½	121	140.0	372.2	343.0	20.0	23.0	140.0	82.0	46.0	141.5	171.5	131.0
90	80	3	138	142.4	384.9	343.0	20.0	23.0	146.0	89.0	46.0	141.5	171.5	131.0

d (mm)	DN (mm)	Size (inch)	Y1 (mm)	Q2 (mm)
63	50	2	15.0	28.5
75	65	2 ½	0.0	44.0
90	80	3	0.0	63.5





Butterfly Valve Type 565 PPA
Pneumatic Actuator, FO (Fail safe to open)

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)

Option:

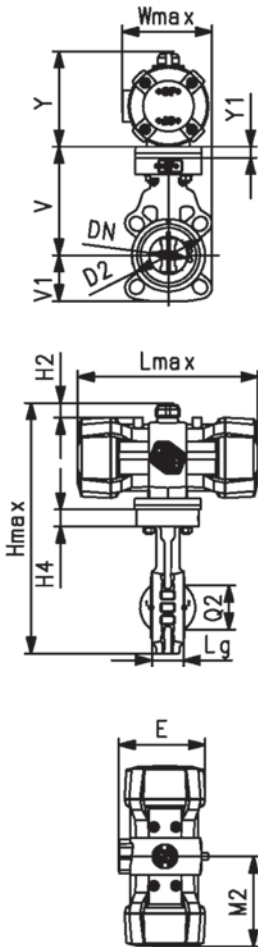
- Individual configuration of the valve possible
- Hand or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback
- Optional accessories: Fail-safe return unit, Monitoring board, Position controller, Profibus DP board

d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-value ($\Delta p=1$ bar) (l/min)	Actuator	EPDM Code	SP	Weight (kg)
63	50	2	PN10	1445	PPA40	199 565 670	1	2.922
75	65	2 ½	PN10	2530	PPA80	199 565 671	1	4.905
90	80	3	PN10	4020	PPA80	199 565 672	1	5.075

d (mm)	DN (mm)	Size (inch)	FKM Code	SP	Weight (kg)
63	50	2	199 565 680	1	2.922
75	65	2 ½	199 565 681	1	4.905
90	80	3	199 565 682	1	5.075

d (mm)	DN (mm)	Size (inch)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H2 (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M2 (mm)	Y (mm)
63	50	2	100.0	121.2	341.2	245.5	20.0	23.0	133.5	63.0	43.0	119.5	122.8	111.0
75	65	2 ½	121.0	140.0	372.2	343.0	20.0	23.0	140.0	82.0	46.0	141.5	171.5	131.0
90	80	3	138.0	142.4	384.9	343.0	20.0	23.0	146.0	89.0	46.0	141.5	171.5	131.0

d (mm)	DN (mm)	Size (inch)	Y1 (mm)	Q2 (mm)
63	50	2	15.0	28.5
75	65	2 ½	0.0	44.0
90	80	3	0.0	63.5





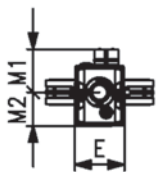
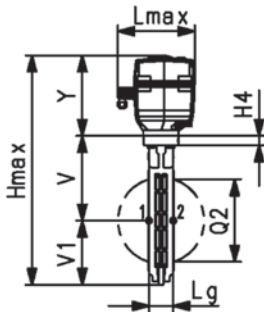
Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF
Smart electric actuator 230V
Without manual override
Wafer style metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 100-230V, 50-60Hz
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Connectivity via NFC and Wi-Fi Direct ensuring control, identification and visibility without opening the case
- Most relevant asset data visualized in the app
- Connection and control via app possible
- LED stripe for visual open/close 360° feedback
- Manual override integrated in electric actuator
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double sensor can be ordered as accessory

Option:

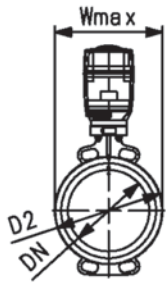
- Individual configuration of the valve possible
- Hand or pneumatic actuators from GF
- Double sensor for electrical position feedback incl. LED feedback
- Optional accessories: Fail-safe return unit, Monitoring board, Position controller, Profibus DP board
- Additional manual override between valve and actuator



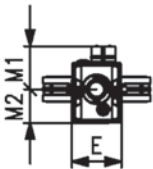
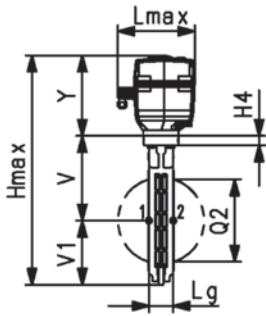
DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (L/min)	Actuator	EPDM Code	SP	Weight (kg)
50	10	63	2	1445	dEA45	199 565 700	1	4.3
65	10	75	2 ½	2530	dEA120	199 565 701	1	4.6
80	10	90	3	4020	dEA120	199 565 702	1	4.7
100	10	110	4	5850	dEA120	199 565 703	1	5.6
125	10	140	5	11900	dEA120	199 565 704	1	6.1
150	10	160	6	18050	dEA250	199 565 705	1	8.7
200	10	225	8	43667	dEA250	199 565 706	1	10.0
250	6	280	10	62333	dEA250	199 565 707	1	14.5
300	4	315	12	94500	dEA250	199 565 708	1	18.2

DN (mm)	FKM Code	SP	Weight (kg)
50	199 565 709	1	4.4
65	199 565 710	1	4.7
80	199 565 711	1	4.8
100	199 565 712	1	5.8
125	199 565 713	1	6.4
150	199 565 714	1	9.0
200	199 565 715	1	10.5
250	199 565 716	1	15.2
300	199 565 717	1	19.4

DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M1 (mm)	M2 (mm)	Y (mm)	Q2 (mm)
50	100.0	122.5	377.5	190.0	23.0	133.5	63.0	43.0	122.5	107.5	83.0	166.5	28.5
65	121.0	132.5	411.5	190.0	23.0	140.0	82.0	46.0	122.5	107.5	83.0	189.5	44.0
80	138.0	137.5	424.0	190.0	23.0	146.0	89.0	46.0	122.5	107.5	83.0	189.5	63.5
100	158.5	158.5	459.5	190.0	23.0	166.5	104.0	52.0	122.5	107.5	83.0	189.5	84.0
125	187.0	187.0	487.5	190.0	23.0	180.0	118.0	56.0	122.5	107.5	83.0	189.5	110.5



DN	D2	Wmax	Hmax	Lmax	H4	V	V1	Lg	E	M1	M2	Y	Q2
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
150	213.0	213.0	518.5	190.0	23.0	189.0	130.5	56.0	122.5	107.5	83.0	199.5	137.5
200	267.0	267.0	568.0	190.0	23.0	209.5	159.0	60.0	122.5	107.5	83.0	199.5	190.5
250	325.5	325.5	674.5	190.0	23.0	262.5	195.5	68.0	122.5	107.5	83.0	216.5	239.0
300	380.0	380.0	731.0	190.0	23.0	284.5	230.5	78.0	122.5	107.5	83.0	216.5	285.5





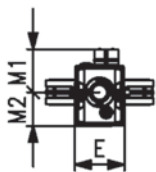
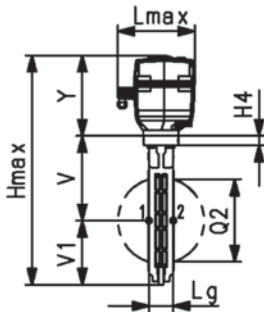
Wafer-style, intermediate installation butterfly valve type 565 electric PVDF/PA-GF
Smart electric actuator 24V without manual override
Wafer style metric/ANSI/BS/JIS
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 24V AC/DC
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Connectivity via NFC and Wi-Fi Direct ensuring control, identification and visibility without opening the case
- Most relevant asset data visualized in the app
- Connection and control via app possible
- LED stripe for visual open/close 360° feedback
- Manual override integrated in electric actuator
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double sensor can be ordered as accessory

Option:

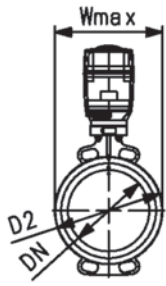
- Individual configuration of the valve possible
- Hand or pneumatic actuators from GF
- Double sensor for electrical position feedback incl. LED feedback
- Optional accessories: Fail-safe return unit, Monitoring board, Position controller, Profibus DP board
- Additional manual override between valve and actuator



DN (mm)	PN (bar)	d (mm)	Size (inch)	kv-value ($\Delta p=1$ bar) (L/min)	Actuator	EPDM Code	SP	Weight (kg)
50	10	63	2	1445	dEA45	199 565 718	1	4.3
65	10	75	2 ½	2530	dEA120	199 565 719	1	4.6
80	10	90	3	4020	dEA120	199 565 720	1	4.7
100	10	110	4	5850	dEA120	199 565 721	1	5.6
125	10	140	5	11900	dEA120	199 565 722	1	6.1
150	10	160	6	18050	dEA250	199 565 723	1	8.7
200	10	225	8	43667	dEA250	199 565 724	1	10.0
250	6	280	10	62333	dEA250	199 565 725	1	14.5
300	4	315	12	94500	dEA250	199 565 726	1	18.2

DN (mm)	FKM Code	SP	Weight (kg)
50	199 565 727	1	4.4
65	199 565 728	1	4.7
80	199 565 729	1	4.8
100	199 565 730	1	5.8
125	199 565 731	1	6.4
150	199 565 732	1	9.0
200	199 565 733	1	10.5
250	199 565 734	1	15.2
300	199 565 735	1	19.4

DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M1 (mm)	M2 (mm)	Y (mm)	Q2 (mm)
50	100.0	122.5	377.5	190.0	23.0	133.5	63.0	43.0	122.5	107.5	83.0	166.5	28.5
65	121.0	132.5	411.5	190.0	23.0	140.0	82.0	46.0	122.5	107.5	83.0	189.5	44.0
80	138.0	137.5	424.0	190.0	23.0	146.0	89.0	46.0	122.5	107.5	83.0	189.5	63.5
100	158.5	158.5	459.5	190.0	23.0	166.5	104.0	52.0	122.5	107.5	83.0	189.5	84.0
125	187.0	187.0	487.5	190.0	23.0	180.0	118.0	56.0	122.5	107.5	83.0	189.5	110.5



DN	D2	Wmax	Hmax	Lmax	H4	V	V1	Lg	E	M1	M2	Y	Q2
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
150	213.0	213.0	518.5	190.0	23.0	189.0	130.5	56.0	122.5	107.5	83.0	199.5	137.5
200	267.0	267.0	568.0	190.0	23.0	209.5	159.0	60.0	122.5	107.5	83.0	199.5	190.5
250	325.5	325.5	674.5	190.0	23.0	262.5	195.5	68.0	122.5	107.5	83.0	216.5	239.0
300	380.0	380.0	731.0	190.0	23.0	284.5	230.5	78.0	122.5	107.5	83.0	216.5	285.5

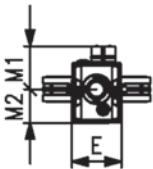
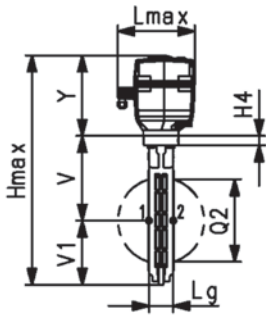



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Accessories

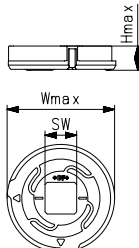

Double Sensor for electrical position feedback

After being mounted in the valve or in the interface module, the double sensor is used to signal the CLOSED or OPEN position of the valve via an electric signal to a controller, supplied by the customer. The switching states are also output optically via two integrated LEDs.

Code	Open Signal color	Closed Signal color	Output circuit	Product picture
198 546 001	LED red	LED green	PNP	
198 546 002	LED green	LED red	PNP	

i Suitable connection cable code 198546150 available as an accessory.

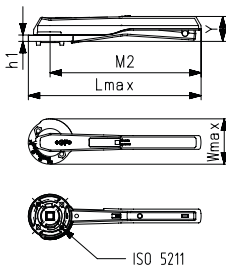

Switching ring for Double Sensor

DN (mm)	Code	Gemäss ISO 5211	SW (mm)	Wmax (mm)	Hmax (mm)	Dimensions	Product picture
50 - 80	199 565 900	F07	11	57.7	12.5		
100 - 125	199 565 901	F07	14	57.7	12.5		
150 - 200	199 565 902	F07	17	57.7	12.5		
250 - 300	199 565 903	F10	22.1	79.8	12.5		

i For manually operated valves an additional switching ring is required. For electrically or pneumatically operated valves, the switching ring is already pre-assembled.


Hand lever

Hand lever incl. fastening screws.

DN (mm)	Code	Wmax (mm)	Lmax (mm)	Gemäss ISO 5211 (mm)	h1 (mm)	M2 (mm)	Y (mm)	Dimensions	Product picture
50-80	199 565 906	96	251	F07	13.5	204.5	53		
100-125	199 565 907	96	301	F07	13.5	254.5	53		
150-200	199 565 908	96	366	F07	13.5	319.5	53		

Reduction gear


For valve operation via a manual gear with handwheel.

DN (mm)	Code	Product picture
50-200	161 483 471	
250-300	161 483 472	

Gear box with direct mount chain wheel

For valve operation via a manual gear with chainwheel.

- Chains need to be ordered separately.
- A pre-assembly is possible. If needed - please contact your local sales team.

DN (mm)	Code	Product picture
50-80	199 565 984	
100-125	199 565 985	
150-200	199 565 986	
250-300	199 565 987	


Chain to chainwheel

- For 199565980-199565987
- Can be ordered in different lengths. Mass unit is 1 meter.

DN (mm)	Code	Material	Product picture
50-300	199 565 989	Zink plated	
50-300	199 565 990	AISI316	


Electric Actuator EA25-250

The EA45/120/250 electric actuator is mounted on a valve (e.g. ball valve or butterfly valve) and connected to a control system provided by the customer. It actuates the valve with a rotary movement of up to 180°.

DN (mm)	Code	Type	Spannung	Torque max.	Acc. to ISO 5211	Product picture
50	198 153 184	EA45	AC 100-230V	45 Nm	F05* (WS 11/14)	
50	198 153 185	EA45	AC/DC 24V	45 Nm	F05* (WS 11/14)	
50 - 125	198 153 186	EA120	AC 100-230V	120 Nm	F07 (WS17)	
50 - 125	198 153 187	EA120	AC/DC 24V	120 Nm	F07 (WS17)	
150 - 300	198 153 188	EA250	AC 100-230V	250 Nm	F07 (WS17)	
150 - 300	198 153 189	EA250	AC/DC 24V	250 Nm	F07 (WS17)	

Smart Actuator dEA45-250


The Smart Actuator dEA45/120/250 is mounted on a valve (e.g. ball valve or butterfly valve) and connected to a control system provided by the customer. It actuates the valve with a rotary movement up to 180°. The Smart Actuator offers wireless connectivity via NFC and Wi-Fi Direct, as well as control and reading of process data via downloadable App.

DN (mm)	Code	Type	Spannung	Torque max.	Acc. to ISO 5211	Product picture
50	198 153 194	dEA45	AC 100-230V	45 Nm	F05* (WS 11/14)	
50	198 153 195	dEA45	AC/DC 24V	45 Nm	F05* (WS 11/14)	
50 - 125	198 153 196	dEA120	AC 100-230V	120 Nm	F07 (WS17)	
50 - 125	198 153 197	dEA120	AC/DC 24V	120 Nm	F07 (WS17)	
150 - 300	198 153 198	dEA250	AC 100-230V	250 Nm	F07 (WS17)	
150 - 300	198 153 199	dEA250	AC/DC 24V	250 Nm	F07 (WS17)	


Pneumatic Actuator PPA

The PPA pneumatic actuator can be mounted on any rotary valves with an interface according to ISO 5211.


Single-acting FC

DN (mm)	Code	Type	Torque max.	Acc. to ISO 5211	Product picture
50	198 155 401	PPA40	30 Nm	F05	
65 - 80	198 155 801	PPA80	53 Nm	F07	

Single-acting FO

DN (mm)	Code	Type	Torque max.	Acc. to ISO 5211	Product picture
50	198 155 402	PPA40	17 Nm	F05	
65 - 80	198 155 802	PPA80	40 Nm	F07	


Double-acting DA

DN (mm)	Code	Typ	Torque max.	Acc. to ISO 5211	Product picture
50 - 80	198 155 403	PPA40	31 Nm	F05	


Pneumatic Actuator PA30-90

The PA30 - PA90 pneumatic actuator can be mounted on any rotary valves with an interface according to ISO 5211.

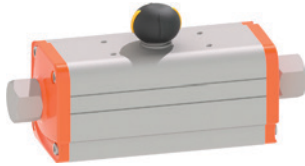
Single-acting FC

DN (mm)	Code	Type	Torque max.	Acc. to ISO 5211	Product picture
50 - 65	198 811 617	PA30	30 Nm	F05/07	
80	198 811 601	PA35	53 Nm	F05/07	
100	198 811 609	PA40	60 Nm	F05/07	
125	198 811 603	PA45	90 Nm	F07/10	
150	198 811 610	PA55	180 Nm	F07/10	
200	198 811 652	PA60	240 Nm	F07/10/12	
250	198 811 607	PA65	360 Nm	F10/12	
300	198 811 612	PA70	480 Nm	F10/12	

Single-acting FO

DN (mm)	Code	Typ	Torque max.	Acc. to ISO 5211	Product picture
50 - 65	198 811 627	PA30	30 Nm	F05/07	
80	198 811 628	PA35	53 Nm	F05/07	
100	198 811 629	PA40	60 Nm	F05/07	
125	198 811 630	PA45	90 Nm	F07/10	
150	198 811 631	PA55	180 Nm	F07/10	
200	198 811 653	PA60	240Nm	F07/10/12	
250	198 811 654	PA65	360 Nm	F10/12	
300	198 811 634	PA70	480 Nm	F10/12	

Double-acting DA

DN (mm)	Code	Typ	Torque max.	Acc. to ISO 5211	Product picture
50 - 65	198 811 618	PA35	46 Nm	F03/05	
80	198 811 619	PA40	60 Nm	F05/07	
100 - 125	198 811 604	PA45	106 Nm	F05/07	
150	198 811 606	PA55	180 Nm	F07/10	
200	198 811 614	PA60	240 Nm	F07/10	
250	198 811 608	PA65	360 Nm	F07/10	
300	198 811 615	PA70	480 Nm	F10/12	

Manual override

DN (mm)	Code	Acc. to ISO 5211 (mm)	Lmax (mm)	Wmax (mm)	M9 (mm)	M10 (mm)	X8 (mm)	Y2 (mm)	Dimensions	Product picture
50 - 80	199 565 914	F07	172	250	90	100	298	60		
100 - 125	199 565 915	F07	172	250	90	100	298	60		
150 - 200	199 565 916	F07	172	250	90	100	298	60		

Intermediate elements

Intermediate elements are required as a connection between valve and Actuator. The intermediate elements include different screws, hexagon nuts, washer, switching rings, etc. (depends on actuator and dimension).

Note: The switching ring for the double sensor for electrical position feedback is supplied with each intermediate element.

Intermediate elements for Reduction Gear

DN (mm)	Code	Reduction gear	Acc. to ISO 5211	D5 (mm)	Y1 (mm)	Dimensions	Product picture
50 - 80	199 565 917	161 483 471	F07				
100 - 125	199 565 918	161 483 471	F07				
150 - 200	199 565 919	161 483 471	F07				
250 - 300	199 565 913	161 483 472	F07/F10	125	17		

Intermediate elements for Electric Actuators EA45-250, dEA45-250

DN (mm)	Code	Type	Acc. to ISO 5211	D5 (mm)	Y1 (mm)	Dimensions	Product picture
50	199 565 909	EA45	F05/F07	90	15		
50 - 80	199 565 910	xEA120-250	F07				
100 - 125	199 565 911	xEA120-250	F07				
150 - 200	199 565 912	xEA250	F07				
250 - 300	199 565 913	xEA250	F07/F10	125	17		

Intermediate elements for Pneumatic Actuators PPA, function FC/F0

DN (mm)	Code	Type	Acc. to ISO 5211	D5 (mm)	Y1 (mm)	Dimensions	Product picture
50	199 565 965	PPA40	F05/F07	90	15		
65 - 80	199 565 966	PPA80	F05/F07	-	-		

Intermediate elements for Pneumatic Actuators PPA, function DA

DN (mm)	Code	Type	Acc. to ISO 5211	D5 (mm)	Y1 (mm)	Dimensions	Product picture
50 - 80	199 565 965	PPA40	F05/F07	90	15		

Intermediate elements for Pneumatic Actuators PA30-90, function FC/F0

DN (mm)	Code	Type	Acc. to ISO 5211	D5 (mm)	Y1 (mm)	Dimensions	Product picture
50	199 565 921	PA30	F05/F07	90	15		
65	199 565 921	PA30	F05/F07	90	15		
80	199 565 922	PA35	F05/F07	90	15		
100	199 565 923	PA40	F07				
125	199 565 924	PA45	F07				
150	199 565 925	PA50	F07				
200	199 565 929	PA60	F07/F10	125	18		
250	199 565 927	PA65	F10	125	18		
300	199 565 928	PA70	F10	125	18		

Intermediate elements for Pneumatic Actuators PA30-90, function DA

DN (mm)	Code	Type	Acc. to ISO 5211	D5 (mm)	Y1 (mm)	Dimensions	Product picture
50	199 565 920	PA35	F05/F07	90	15		
65	199 565 920	PA35	F05/F07	90	15		
80	199 565 921	PA40	F05/F07	90	15		
100	199 565 923	PA45	F07				
125	199 565 923	PA45	F07				
150	199 565 925	PA55	F07				
200	199 565 925	PA60	F07	125	18		
250	199 565 926	PA65	F10	125	18		
300	199 565 927	PA70	F10	125	18		

Replacement parts

Replacement seat liner

DN (mm)	EPDM	FKM	Lmax (mm)	Wmax (mm)	Dimensions	Product picture
50	199 565 930	199 565 940	45.2	85.5		
65	199 565 931	199 565 941	48.4	105.5		
80	199 565 932	199 565 942	48.4	122.5		
100	199 565 933	199 565 943	54.6	142.5		
125	199 565 934	199 565 944	59	169.5		
150	199 565 935	199 565 945	59	194.5		
200	199 565 936	199 565 946	63	248		
250	199 565 937	199 565 947	72	304		
300	199 565 938	199 565 948	82.8	358		

Replacement o-ring

DN (mm)	EPDM	FKM	Di	s	Dimensions	Product picture
50-80	199 565 951	199 565 961	13.95	2.62		
100-125	199 565 952	199 565 962	17.13	2.62		
150-200	199 565 953	199 565 963	20.22	3.53		
250-300	199 565 954	199 565 964	24.99	3.53		



For further information see www.gfps.com/565

■ Mobile apps and online tools to support configuration and calculation at www.gfps.com/tools



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