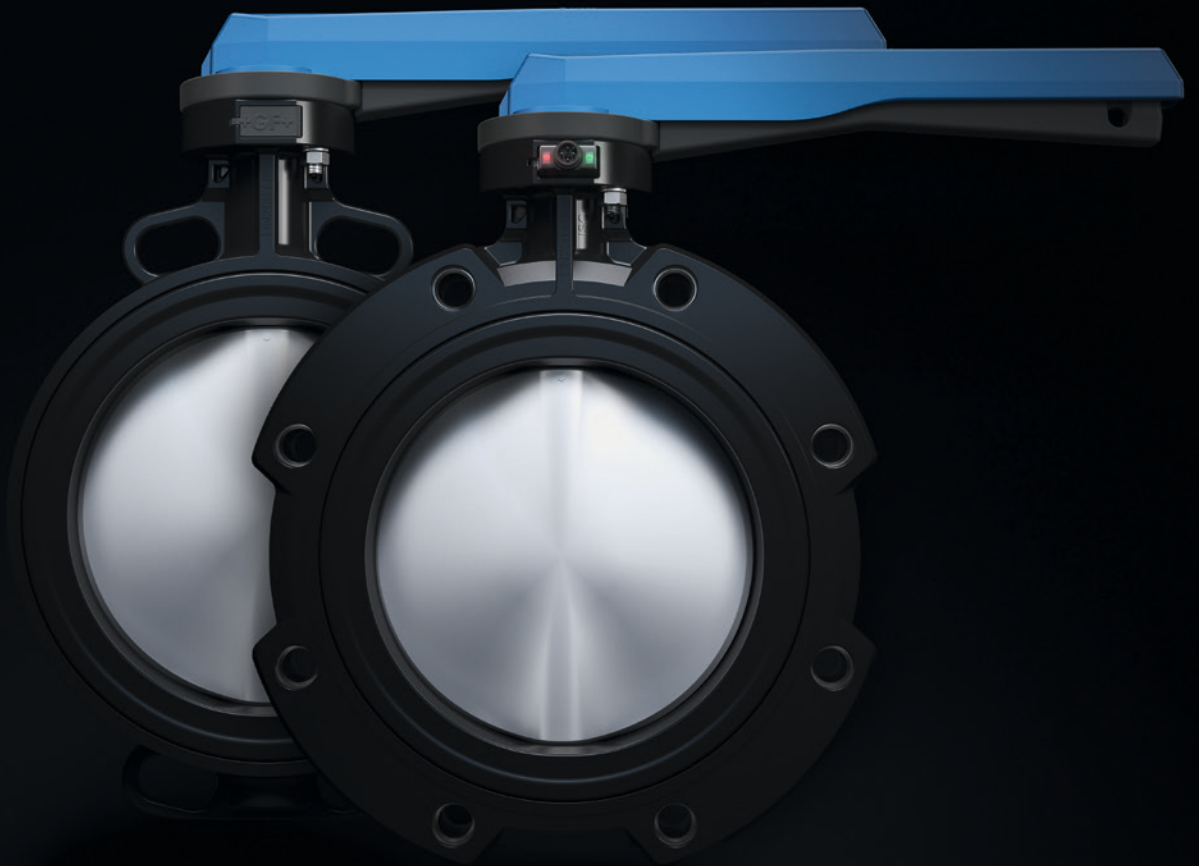


Product range

Built for the future

Butterfly Valve 565





Defying industry challenges

The importance of water for humanity cannot be understated. At first glance, it looks like an easy thing to handle. However, this vital media poses various challenges to industries requiring sophisticated and robust piping systems to ensure safe and reliable operation.

Water is life, and water is the most used substance on Earth. Consequently, treating it with utmost care and the highest quality systems is crucial for the environment, industries, and humans. Water challenges vary for industries such as water treatment, marine, and cooling applications. They all need reliable yet cost-effective solutions. Global megatrends such as climate change, urbanization, and digitalization are additional challenges industries must consider.

Historically, when it comes to butterfly valves, metal was the material of choice. The robustness and economic efficiency were convincing arguments for choosing metal valves. As durable as they are, there are some crucial drawbacks.

First, metal suffers from corrosion and abrasion. Depending on the environment, this shortens the lifetime of the valve significantly, resulting in additional costs due to interruptions of operation and replacements for the old valves. Second, there is weight. Metal butterfly valves are heavy, increasing stresses on piping systems and leading to required supporting structures. Additionally, the heavy valves are cumbersome to install and maintain.

Those drawbacks are the foundation for the biggest challenge – sustainability and the ecological footprint. Lightweight and long-living components are key for reaching both mandatory and self-proclaimed sustainability goals.

Building the future with lightweight durability

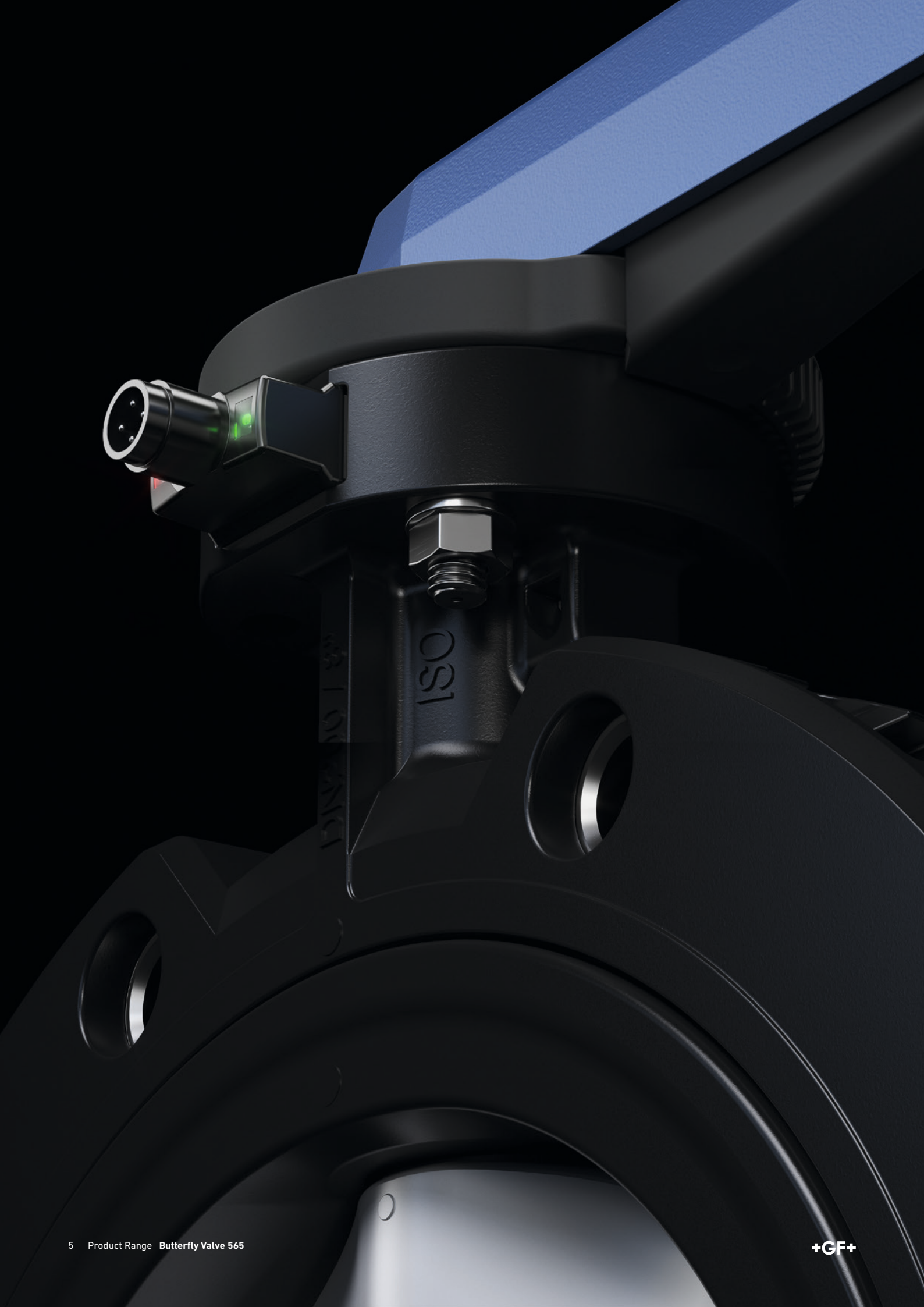
As thermoplastics provide strength, durability, and resistance to corrosion, they have overtaken metal as the primary choice for industrial applications. The benefits of the durable material in industrial applications cannot be denied.

With the Butterfly Valve 565 Lug-Style, GF Piping Systems completes its portfolio of high-quality thermoplastic butterfly valves for water- and water treatment applications. Introduced in 2021, the success story of the 565 started with the launch of the Wafer-Style valve. The Butterfly Valve 565 Lug-Style now completes the portfolio, allowing for even more use cases.

Unlike a Wafer-Style valve, the Lug-Style valve can be used as an end valve thanks to the body design and threaded inserts. Therefore, piping systems can be disassembled one-sided, facilitating the maintenance and operation of filters, tanks, and other installations.

The thermoplastic solution flattens the path to a more sustainable future by being 60% lighter than metal competitors on average. Meanwhile, the expected service life is three times greater than metal valves in critical installations. With the latest innovation of the Butterfly Valve 565, GF Piping Systems can offer a more sustainable, robust, and cost-effective solution for the reliable control of fluids.

Thanks to the standard interface, the Butterfly Valve 565 can be easily equipped with different actuation possibilities, such as pneumatic, electric, and smart actuators, enabling automated processes and future-proof operation.





Superior performance

Superior in every way, our high-performance thermoplastic butterfly valve enables the safe and sustainable control of fluids for all your water applications.

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.

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.

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.

60% lighter

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

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 and replacement 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.

Butterfly Valve 565 Lug-Style

Built for you

At GF Piping Systems, we understand that different challenges require adjustable solutions. This is why we revolutionized the well-proven design of lug-style butterfly valves. Adding plug-in lug inserts ensures the highest compatibility, flexibility, and increased sustainability.



Customizable and sustainable

The inserts are high-grade stainless steel as standard. Depending on individual requirements, the material can be changed to various materials on request. The removable inserts not only allow for the highest flexibility and customization but also for correctly sorted recycling at the end of service life, too.



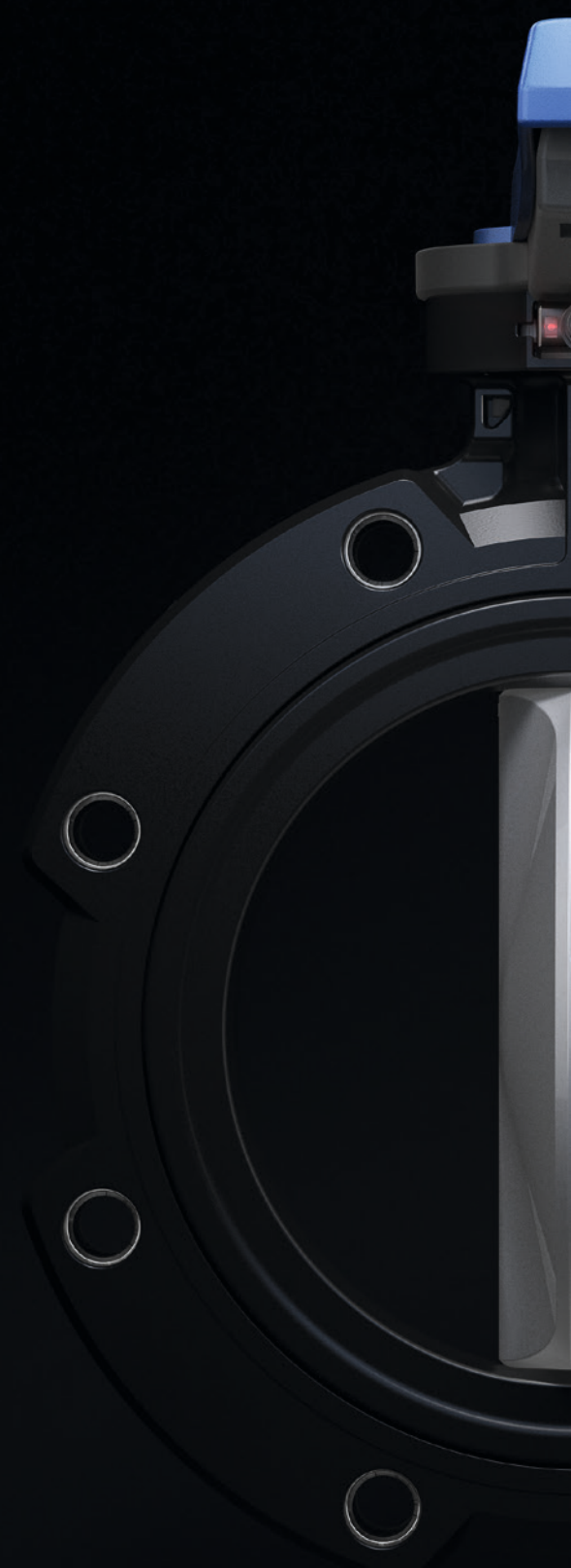
Easier installation

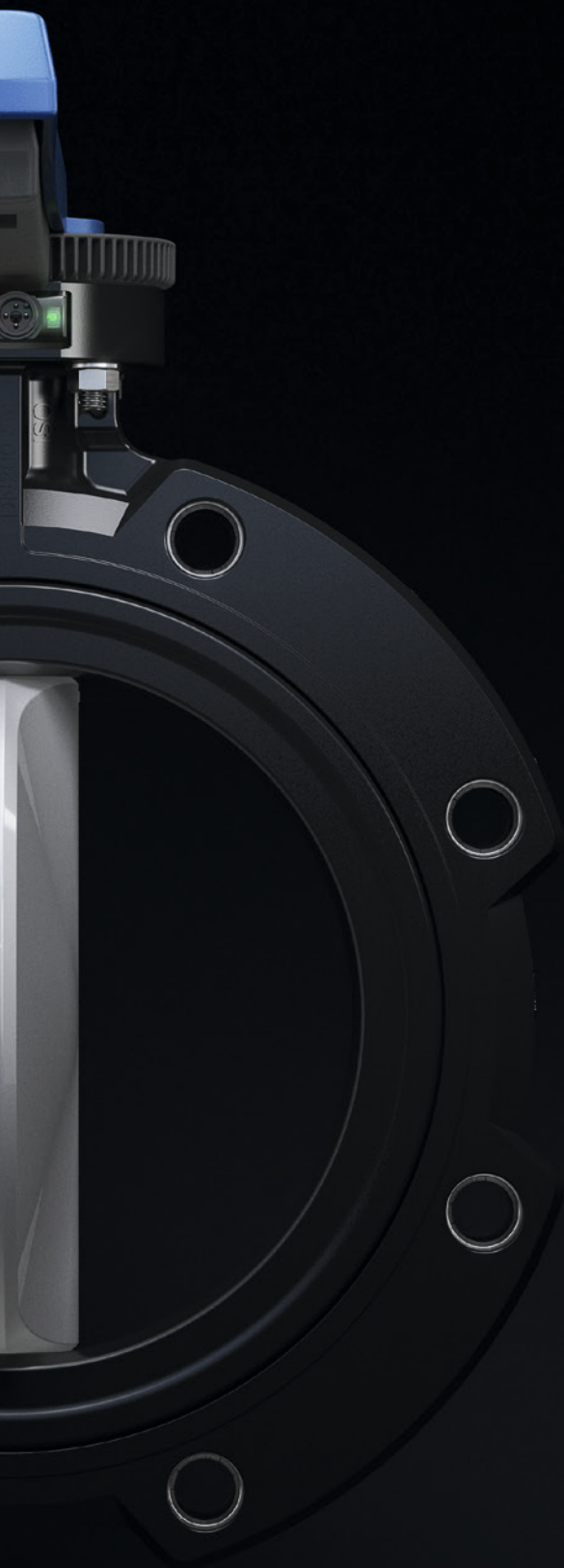
Thermoplastic valves are on average 60% lighter than metal valves, making them easier to transport, handle, and install. Their lightweight design also reduces transportation and operation costs. The 565 comes in the same installation length (EN558 row 20, ISO 5752 row 20) as metal solutions facilitating the installation even more.



Inductive feedback sensor

The Butterfly Valve 565 is offered with inductive sensors that signal the CLOSED or OPEN position of the valve via an electric signal to a controller supplied by the customer. This feedback system can be added with the valve in-line and a new sensor swapped without removing the operator.





Unique and patented

The design of the valve housing is open at the side. The unique and patented design allows for easy access to the inserts. With this plug-in design of the inserts, less material is used than conventional solutions with over-molded inserts.



Better performance

Unlike metal valves, thermoplastic valves are immune to corrosion from rust and chemicals, which makes them ideal for use in harsh environments. They also have low thermal conductivity, which means they are better insulators than metal valves.



Full insight

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



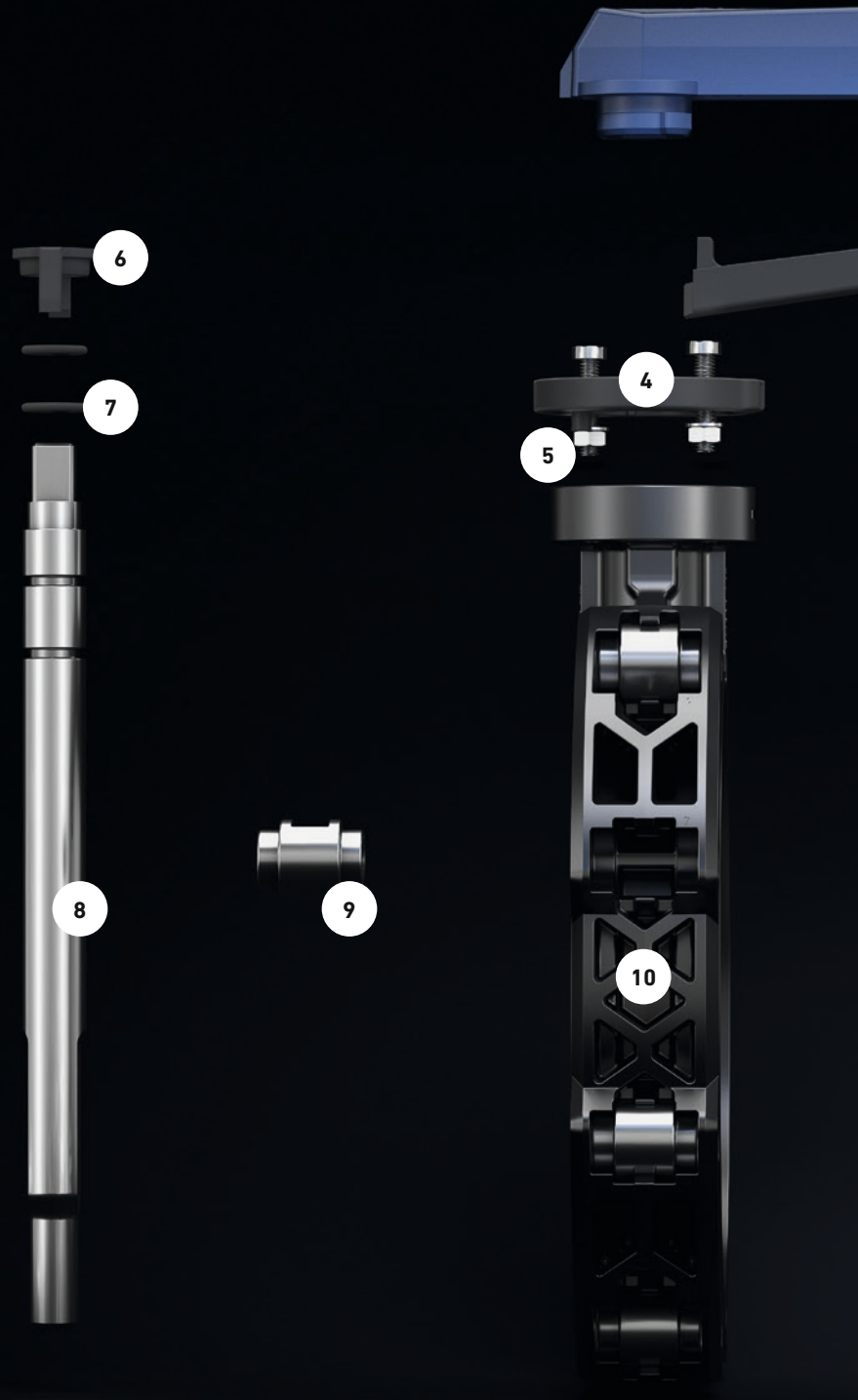
Reinforced disc

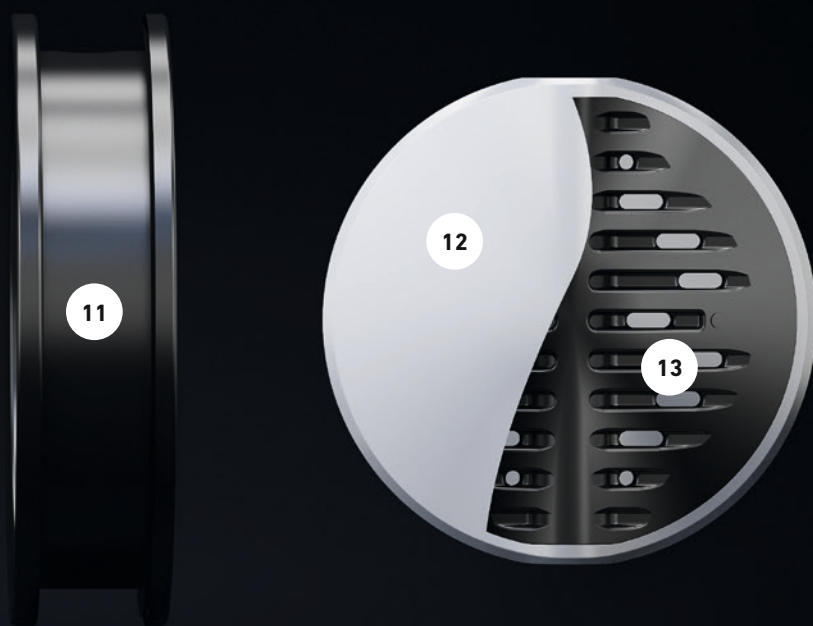
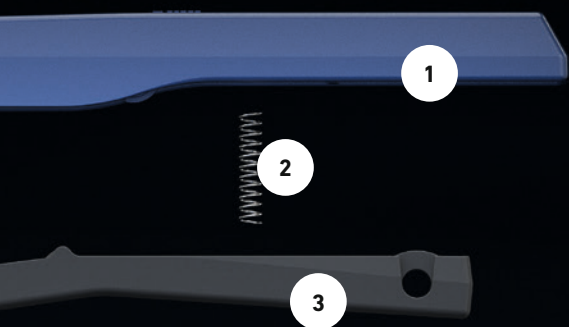
The Butterfly Valve 565 has a unique and patented disc design. The inner disc is made of fiber-reinforced polyamide and is encapsulated with PVDF. This design strengthens the durability and pressure/temperature performance of the valve.

Engineered for the future

Superior longevity

Thermoplastic valves are highly durable and can last for many years without requiring replacement. They are also resistant to impact damage and can withstand extreme temperatures.





1. Lever
2. Spring
3. Grid lever
4. Index plate
5. Screw
6. Shaft lock
7. O-Ring
8. Shaft
9. Threaded inserts
10. Lug-style housing
11. Seat liner
12. Outer disc - PVDF
13. Inner disc - PA

Customizable modularity

Matching individual challenges



The Butterfly Valve 565 can be manually operated with a lockable lever or a hand wheel. Here, the effort required to fully open and close it can be reduced with the help of a gearbox. In addition, it can be operated with a pneumatic actuator that is ideal for plants with a high number of actuated valves, and an electric or smart actuator. But above all, the Butterfly Valve 565 features digital interfaces for state-of-the-art process automation.

Pneumatic Actuator

Pneumatic actuators are an economical solution for installations with many actuated valves. They are fast, adjustable, and have a fail-safe mode. The latest generation is entirely made from high-performance thermoplastics. Additionally, pneumatic actuators can be equipped with electro-pneumatic positioners, further increasing control and precision.



Electric Actuator

Electric actuators are highly reliable and easy to set up and operate. The latest generation introduces features such as Industrial Ethernet communication standards and an improved IP68 rating. The actuator can be installed on any standard valve with an ISO 5211 interface. Additional accessories allow the actuator to be used not only as an open/close actuator but also in continuously controlled operation.

Smart Actuator

Digitization is changing and improving many aspects of our lives. At GF Piping Systems, we are significantly shaping this progress by constantly developing our products. Our latest actuator is our first product that can be controlled fully by an app. Take the step with us into the future with our new digital actuator. One app, one actuator, many possibilities.

Customizable modularity



Accessories

Double Sensor for electrical position feedback

The 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 tightest areas and is protected against water and dust (protection class IP67).



Axle extension

Great versatility for increasingly complex water systems. Available in custom lengths up to DN300, the extension is ideal for applications where the valve is difficult for an operator to access. For manual versions, a lever or handwheel can be used. The extension is also suitable for applications where the valve is temporarily submerged. In such cases, the actuator is lifted from the submerged area, allowing operation and preventing damage.

Spare parts

- O-ring
- Seat liner
- Disc
- Shaft
- Condensation block

Leveraging superior qualities

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

Lightweight but robust. Thermoplastic tends to get a bad reputation in today's discussions. However, their superior material characteristics make them the ideal solution for the challenges that lie ahead.

The Butterfly Valve 565 Lug-Style offers numerous technical advantages. Its patented double-molded Polyamide disc coated with high-performance PVDF ensures exceptional strength, chemical resistance, and low friction. This makes the valve suitable for harsh environments and various industries.

Additionally, the valve's compact design and the short installation length compared to traditional metal valves, make it the perfect fit for confined spaces and retrofit installations. The short installation length, in accordance with ISO 5752, eliminates the need for costly reworks of existing piping systems, while the long-lasting and lightweight materials need no supporting structure. Hence, the Butterfly Valve 565 Lug-Style is the ideal choice for price-sensitive applications, too.

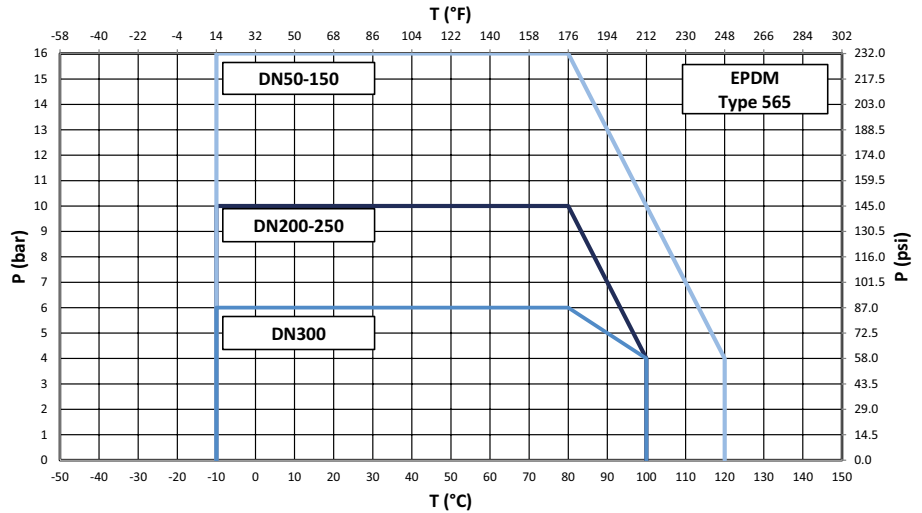
Another technical advantage of the product range extension is its compatibility with inductive double sensors and a switching ring. This sensor technology provides precise and reliable feedback on the valve's position and performance. By integrating these sensors, users can monitor and control the valve remotely, making it ideal for automation and remote operation systems. Additional accessories and the modular character allow for easy plug-and-play process automation.

Lastly, the unique and patented plug-in insert design allows for easy maintenance, servicing, and customization, reducing downtime and operational disruptions. Additionally, the removable metal inserts can be disassembled for correctly sorted recycling. Thus, further increasing the sustainability of the Butterfly Valve 565 Lug-Style.

Pressure-temperature diagrams*

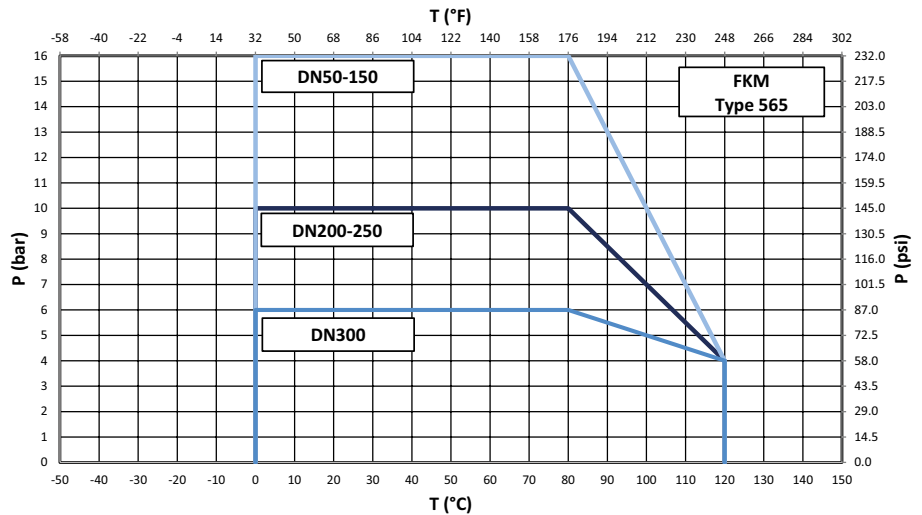
EPDM (DN50 – DN300)

T Temperature (°C, °F)
P Permissible pressure (bar, psi)



FKM (DN50 – DN300)

T Temperature (°C, °F)
P Permissible pressure (bar, psi)



*Based on a lifetime of 25 years and water or similar media.

Specifications

Body type	565W - Wafer-style housing 565L - Lug-style housing					
Dimensions	d63/DN50 – d315/DN300, 2" – 12"					
Pressure ratings	Manual actuated		Electric actuated		Pneumatic actuated	
	DN50-150	PN16	DN50-200	PN10	DN50-250	PN10
	DN200-250	PN10	DN250	PN6	DN300	PN6
	DN300	PN6	DN300	PN4		
Actuation variants	Manually operated (lockable hand lever or manual reduction gear) Pneumatic actuated: FC, FO, DA Electric actuated: EA45-250 AC: 100 – 230 V, AC/DC: 24 V, Smart actuator dEA					
Actuator interface	EN ISO 5211					
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					
Markings	CE, UKCA					
Product Standard	EN ISO 16136					
Test Standard	ISO 9393-2, EN 12266-1 (leakage rate A)					
Approvals	ACS, ABS, BV, DNV, EAC, EPD, FDA, KTW-BWGL, LR, NSF; PZH, RINA, WRAS, SIL					

An aerial photograph showing a large industrial facility, possibly a power plant or refinery, with several tall smokestacks and complex piping. The facility is situated behind a vast, dense forest with trees showing autumn foliage in shades of yellow and orange. The sky is a clear, bright blue with a slight gradient from top to bottom.

Sustainably future-proof

Ensuring the safe and reliable flow of fluids

What is more sustainable – thermoplastics or metal?
GF Piping Systems set out to answer this question and
commissioned a study of its Butterfly Valve 565 by an
independent institute.



The Swiss Climate AG analyzed the environmental impact as part of a Life Cycle Assessment (LCA) that served two main purposes:

The first purpose of the LCA was to achieve an EPD in accordance with EN 15804:2012+A2:2019. The Environmental Product Declaration (EPD) is a Type III environmental declaration that uses scientifically quantified data from the Life Cycle Assessment for the estimation of environmental impacts and comparisons between similar products. The Butterfly Valve 565 is the first industrial butterfly valve to obtain this certification and therefore enables customers to make an informed decision based on an analysis from a trusted and independent source.

The second purpose of the study was to conduct an analysis of the environmental impacts of the Butterfly Valve 565 and a metal alternative as part of a comparative LCA study in accordance with ISO 14040/44.

When comparing the valves' respective service lives, the Butterfly Valve 565 emits 26% less carbon emissions than the metal alternative.

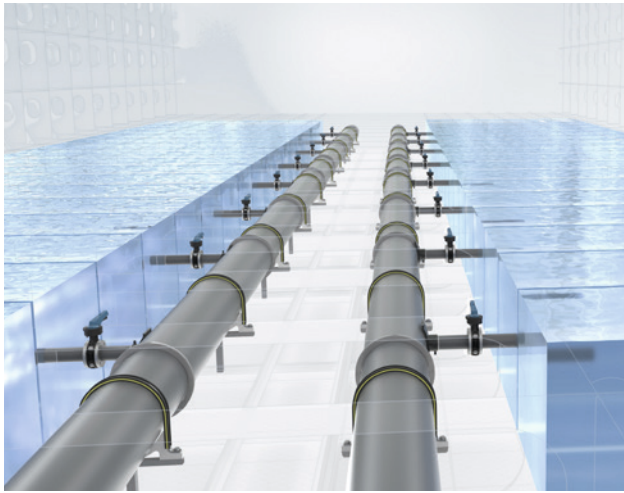
Download the whitepaper to find all the results.



Reliable operation for demanding environments

The Butterfly Valve 565 has seen use in swimming pools, portable water treatment, and production, hot and cold-water plants, as well as refrigeration and HVAC installations. However, butterfly valves also play an important role in the maritime sector, as ships rely on extensive and lightweight piping systems for everything from potable water and wastewater to ballast water treatment.





Ballast water treatment

Ballast water systems ensure safe operating conditions during voyages, help ships reduce stresses on the vessel's hull, and provide transverse stability. GF Piping Systems' maintenance-free solutions help to efficiently load, distribute, and unload ballast water from 0°C to 40°C, ensuring the ship can efficiently maneuver.



Aqua Parks & Swimming Pools

The superior materials of the Butterfly Valve 565 ensure high chemical and corrosion resistance, which leads to a long-lasting operation. Additionally, the lightweight and compact valve facilitates operation in confined spaces. Actuation possibilities such as pneumatic actuators and digital accessories ensure reliable and cost-effective operation.



Cooling

Corrosion and condensation-free materials are of utmost importance for reliable and efficient piping systems in cooling applications. Butterfly valves are used to control media flow within pipes. The simple design and short installation length make the Butterfly Valve 565 Lug-Style the ideal valve for cooling applications.



Media filtration

This technology is often used to harvest drinking and process water from surface and seawater. Due to the need for several flow processes, filters are made of numerous valves and bypass actuators. Decentralized membrane filtration systems can supply safe drinking water in low-income countries. GF Piping Systems offers maximum security and profitability for efficient processes, by eliminating maintenance costs caused by rust and deposits.



Learn more about
our reference cases.

Butterfly Valve 565 Wafer-Style

Beats metal in every round

Butterfly valves are ideal for controlling media flow in applications where compact design is crucial. Wafer-style butterfly valves can easily be mounted between two pipes using flange connections.





The Wafer-Style gives the full flexibility for the different installations types. The corrosion-resistant Butterfly Valve 565 comes in the same installation length as its metal counterparts (EN558/ISO5752 short). Therefore, the 565 is just as well suited for replacing old metal valves in existing piping systems as it is for new installations. The outstanding pressure and temperature performance allow the valve to be used in varied applications. Additionally, the superior characteristics of thermoplastic increase the possible installations even further and expand the lifetime compared to metal valves. Thus making the thermoplastic valve more cost-effective, too.

Introduced in 2021, the thermoplastic Butterfly Valve 565 has proven multiple times to be a reliable and durable solution for water and water treatment applications in the marine and water treatment industry, cooling applications and many more.

Together as one

Process Automation

We are a global leader in valves and actuation, liquid analysis, and flow solutions for water and wet chemicals applications.

For over 50 years, we have been going forward with our customers, helping them with sustainable innovations for applications in the water treatment and chemical process industries. With our solutions, we help solve water scarcity, overcome the challenge of aging infrastructure, and embrace the current opportunities with digitalization.



We use our knowhow and experience of the complete control loop to solve the entire process challenge. Enabling the design, selection and installation of Process Automation systems. With Process Automation, GF Piping Systems can supply every customer not just with highest quality parts but with an interoperable all-in-one solution.



One user experience across the whole control loop

GF Piping Systems is your experienced partner with a full portfolio of measurement, control, and actuation components, which are easy to install and use and have local support through all project phases. We offer the full package with our products and solutions, providing top-quality installation, a highly skilled team of experts standing by our customers' side every step of the way worldwide, and digitalized services ensuring a project is at the forefront of the market.



Design (Planning phase)

Easy planning thanks to application-specific solutions making an effortless combination around the complete control loop.



Select (Ordering phase)

Easy to select and order via configurators and matching components throughout the whole portfolio.



Install (Building phase)

Easy planning thanks to application-specific solutions making an effortless combination around the complete control loop.



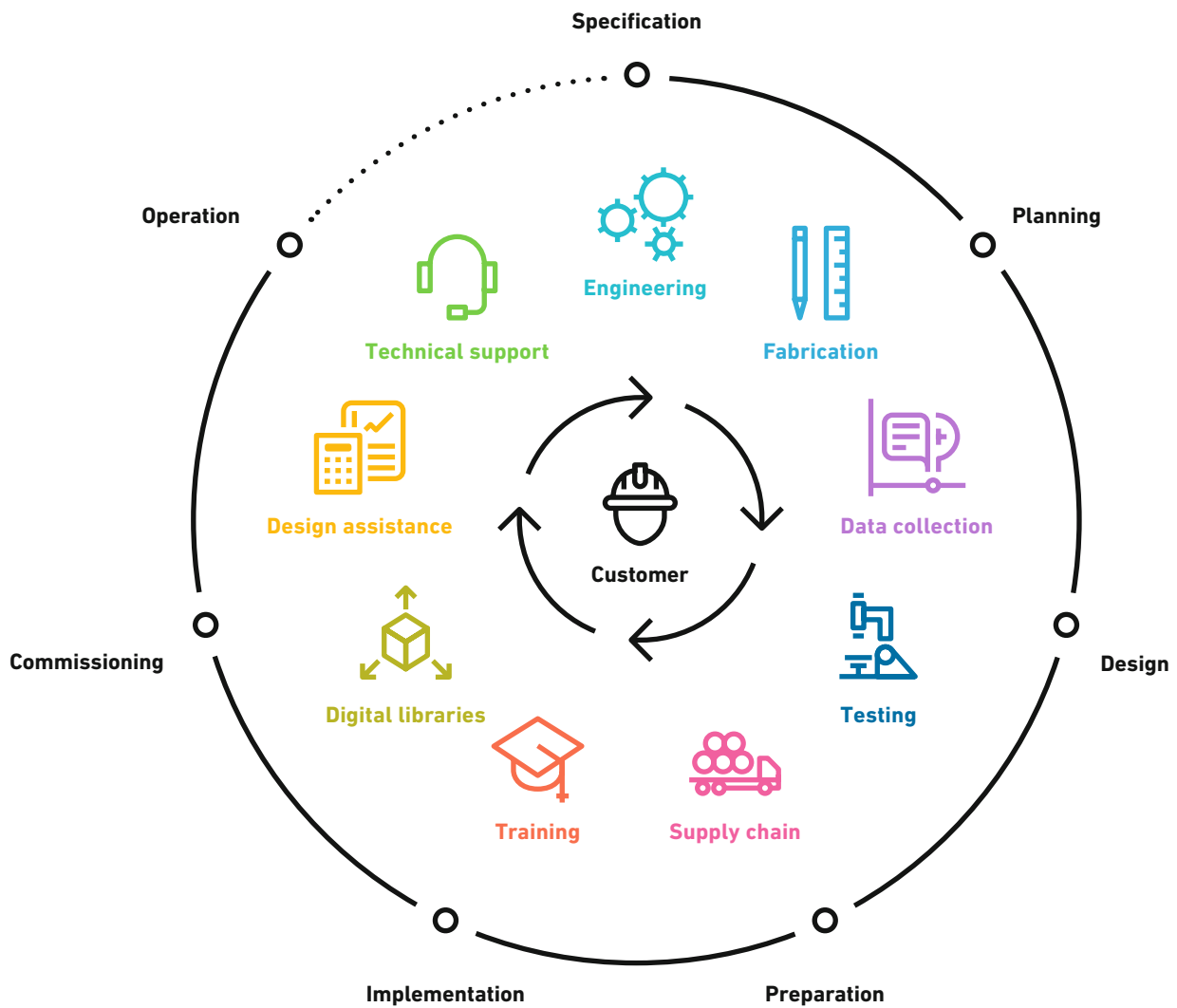
Own (Operation phase)

Easy monitoring once installed, including spare part availability. Long lifetime and low maintenance make for low downtimes.

www.gfps.com/processautomation

Specification to operation

With Specialized Solutions, the global leader GF Piping Systems provides project support every step of the way to achieve construction excellence. Allowing owners and planners to concentrate on their daily business without interruption.





Engineering

Increase the efficiency of your project with the tailor made analysis packages from GF Piping Systems and decide which offer is right for you according to your needs. You have the choice between Project Analysis and Advanced Engineering, thus always receiving the appropriate support in every phase of your project.



Digital libraries

GF Piping Systems is continuously developing digital libraries with all of our product design drawings. Our files are fully compatible with Autodesk Revit, AVEVA, Intergraph, Autodesk AutoCAD Plant 3D and Trimble SketchUp with 3Skeng to provide proper engineering design tools used by planners, architects, owners and operators for BIM and Plant Design.



Custom product design and prefabrication

Having your individual needs and application in focus, our customizing teams forge the solution that fits you best, developing custom-made parts to complete systems or special solutions produced in small series, individual consulting and off-site prefabrication. Through our global network of flexible locations, we offer a wide range of comprehensive solutions.



Training

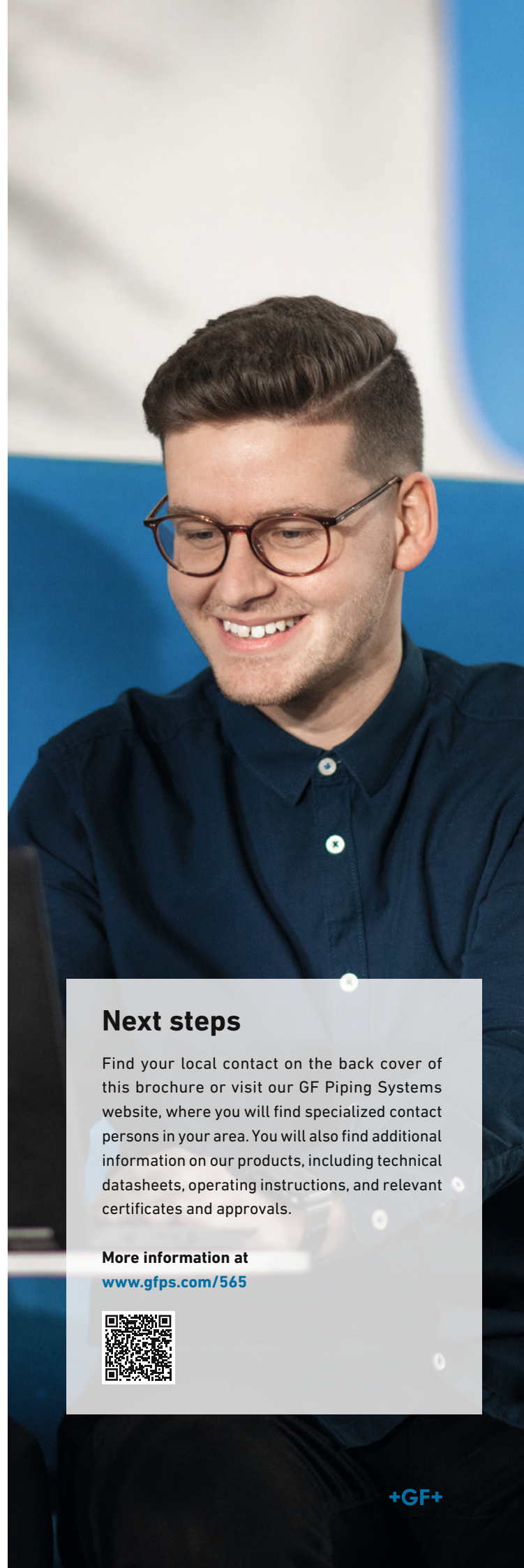
GF Piping Systems instructional courses to help you teach your customers and their installers essential knowledge for the welding of pipes and piping components, as well as an in-depth understanding of butt and electrofusion connections. Trainings are available virtually, in-house or on site. Trusted training, empowering you.



Ultrasonic Non-Destructive Testing (NDT)

When installing a system, the most critical parts are going to be the weldings – often seen as the weakest point of a system and highly critical to a safe and reliable operation. With Ultrasonic NDT, you can proceed with assurance thanks to scientific proof that the welds are secure.

www.gfps.com/specialized-solutions



Next steps

Find your local contact on the back cover of this brochure or visit our GF Piping Systems website, where you will find specialized contact persons in your area. You will also find additional information on our products, including technical datasheets, operating instructions, and relevant certificates and approvals.

More information at

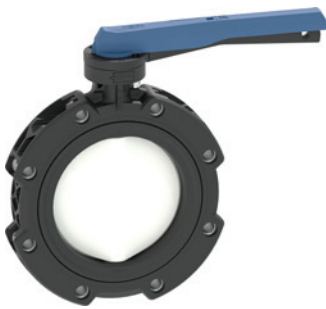
www.gfps.com/565



Butterfly Valve 565 Lug-Style

Product Range





Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With hand lever
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

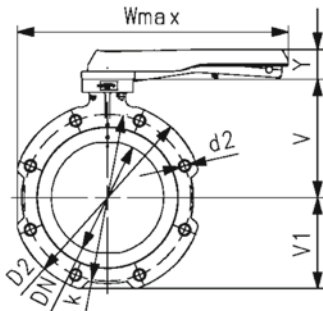
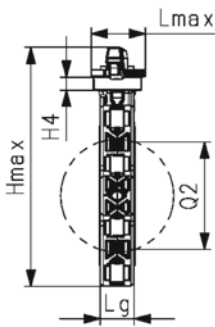
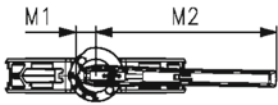
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Lockable ergonomic lever
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 575 000	1.308	199 575 020	1.377
75	65	2 ½	16	2530	199 575 001	1.542	199 575 021	1.644
90	80	3	16	4020	199 575 002	1.712	199 575 022	1.835
110	100	4	16	5850	199 575 003	4.102	199 575 023	2.693
140	125	5	16	11900	199 575 004	3.086	199 575 024	3.346
160	150	6	16	18050	199 575 005	4.029	199 575 025	4.347
225	200	8	10	43667	199 575 006	5.276	199 575 026	5.732

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	M1 (mm)
63	50	256.4	96	274.5	133.3	70.1	53	43	28.3	125	M16	155	23	35.5
75	65	273.7	96	285.0	139.9	80.8	53	46	43.8	145	M16	175	23	35.5
90	80	289.9	96	294.5	145.6	91.3	53	46	63.5	160	M16	190	23	35.5
110	100	325.6	96	360.0	166.4	106.2	53	52	83.7	180	M16	221	23	35.5
140	125	353.3	96	374.0	180.0	120.3	53	56	110.4	210	M16	250	23	35.5
160	150	374.4	96	454.5	189.0	132.4	53	56	137.3	240	M20	277	23	35.5
225	200	422.8	96	482.5	209.5	160.3	53	60	191.1	295	M20	337	23	35.5

d (mm)	DN (mm)	M2 (mm)
63	50	204.5
75	65	204.5
90	80	204.5
110	100	254.5
140	125	254.5
160	150	319.5
225	200	319.5



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
Bare Shaft
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

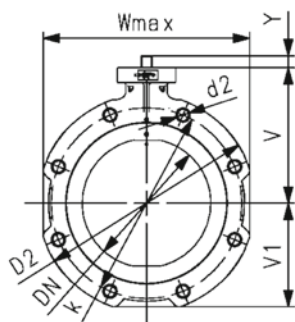
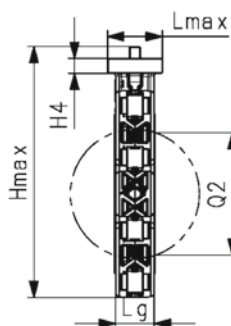
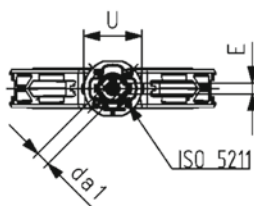
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	Acc.to ISO 5211	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	F07	199 575 100	0.881	199 575 120	0.950
75	65	2 ½	16	F07	199 575 101	1.115	199 575 121	1.217
90	80	3	16	F07	199 575 102	1.285	199 575 122	1.408
110	100	4	16	F07	199 575 103	2.024	199 575 123	2.200
140	125	5	16	F07	199 575 104	2.593	199 575 124	2.853
160	150	6	16	F07	199 575 105	3.743	199 575 125	3.791
225	200	8	10	F07	199 575 106	4.720	199 575 126	5.176
280	250	10	10	F10	199 575 107	8.837	199 575 127	9.517
315	300	12	6	F10	199 575 108	12.614	199 575 128	13.744

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	U (mm)
63	50	230.4	84.8	140	133.3	70.1	27	43	28.3	125	M16	155	23	90
75	65	247.7	84.8	161	139.9	80.8	27	46	43.8	145	M16	175	23	90
90	80	263.9	84.8	180	145.6	91.3	27	46	63.5	160	M16	190	23	90
110	100	288.6	84.8	211	166.4	106.2	16	52	83.7	180	M16	221	23	90
140	125	316.3	84.8	239	180.0	120.3	16	56	110.4	210	M16	250	23	90
160	150	340.4	84.8	263	189.0	132.4	19	56	137.3	240	M20	277	23	90
225	200	388.8	84.8	319	209.5	160.3	19	60	191.1	295	M20	337	23	90
280	250	401.6	125.0	403	262.5	199.1	40	68	238.9	350	M20	403	23	125
315	300	559.8	125.0	482	284.3	235.5	40	78	285.5	400	M20	479	23	125

d (mm)	DN (mm)	E (mm)	da1 (mm)
63	50	11	14.1
75	65	11	14.1
90	80	11	14.1
110	100	14	18.1
140	125	14	18.1
160	150	17	22.2
225	200	17	22.2
280	250	22	28.2
315	300	22	28.2



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
Reduction gear with hand wheel
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

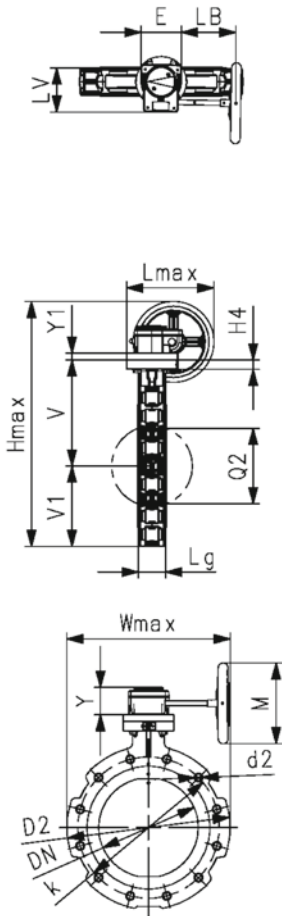
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	199 575 200	3.009	199 575 220	3.078
75	65	2 ½	16	199 575 201	3.243	199 575 221	3.345
90	80	3	16	199 575 202	3.413	199 575 222	3.536
110	100	4	16	199 575 203	4.152	199 575 223	4.328
140	125	5	16	199 575 204	4.721	199 575 224	4.981
160	150	6	16	199 575 205	5.493	199 575 225	5.811
225	200	8	10	199 575 206	6.740	199 575 226	7.196
280	250	10	10	199 575 207	12.739	199 575 227	13.419
315	300	12	6	199 575 208	16.516	199 575 228	17.646

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	344.6	190.75	251.0	133.3	70.1	61.2	43	28.3	125	M16	155	23	80
75	65	361.9	190.75	261.5	139.9	80.8	61.2	46	43.8	145	M16	175	23	80
90	80	378.1	190.75	271.0	145.6	91.3	61.2	46	63.5	160	M16	190	23	80
110	100	413.8	190.75	286.5	166.4	106.2	61.2	52	83.7	180	M16	221	23	80
140	125	441.5	190.75	300.5	180.0	120.3	61.2	56	110.4	210	M16	250	23	80
160	150	462.6	190.75	312.5	189.0	132.4	61.2	56	137.3	240	M20	277	23	80
225	200	511.0	190.75	319.0	209.5	160.3	61.2	60	191.1	295	M20	337	23	80
280	250	647.0	207.40	403.0	262.5	199.1	68.4	68	238.9	350	M20	403	23	100
315	300	705.2	207.40	482.0	284.3	235.5	68.4	78	285.5	400	M20	479	23	100

d (mm)	DN (mm)	Y1 (mm)	M (mm)	LV (mm)	LB (mm)
63	50		160	112.3	129.5
75	65		160	112.3	129.5
90	80		160	112.3	129.5
110	100		160	112.3	129.5
140	125		160	112.3	129.5
160	150		160	112.3	129.5
225	200		160	112.3	129.5
280	250	17	200	130.0	134.0
315	300	17	200	130.0	134.0



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With electric actuator 230V
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

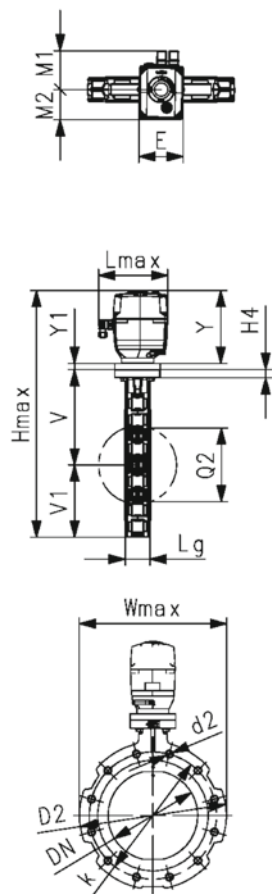
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Voltage 100-230V, 50-60Hz
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Manual override integrated in electric actuator
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 575 300	3.300	199 575 320	3.400
75	65	2 ½	16	2530	199 575 301	4.600	199 575 321	4.700
90	80	3	16	4020	199 575 302	4.700	199 575 322	4.800
110	100	4	16	5850	199 575 303	5.600	199 575 323	5.800
140	125	5	16	11900	199 575 304	6.100	199 575 324	6.400
160	150	6	16	18050	199 575 305	8.700	199 575 325	9.000
225	200	8	10	43667	199 575 306	10.000	199 575 326	10.500
280	250	10	10	62333	199 575 307	14.500	199 575 327	15.200
315	300	12	6	94500	199 575 308	18.200	199 575 328	19.400

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	384.6	190	140	133.3	70.1	166.2	43	28.3	125	M16	155	23	122.3
75	65	410.0	190	161	139.9	80.8	189.3	46	43.8	145	M16	175	23	122.3
90	80	426.2	190	180	145.6	91.3	189.3	46	63.5	160	M16	190	23	122.3
110	100	461.9	190	211	166.4	106.2	189.3	52	83.7	180	M16	221	23	122.3
140	125	489.6	190	239	180.0	120.3	189.3	56	110.4	210	M16	250	23	122.3
160	150	520.7	190	263	189.0	132.4	199.3	56	137.3	240	M20	277	23	122.3
225	200	569.1	190	319	209.5	160.3	199.3	60	191.1	295	M20	337	23	122.3
280	250	677.9	190	403	262.5	199.1	199.3	68	238.9	350	M20	403	23	122.3
315	300	736.1	190	482	284.3	235.5	199.3	78	285.5	400	M20	479	23	122.3

d (mm)	DN (mm)	Y1 (mm)	M1 (mm)	M2 (mm)
63	50	15	107.3	82.7
75	65		107.3	82.7
90	80		107.3	82.7
110	100		107.3	82.7
140	125		107.3	82.7
160	150		107.3	82.7
225	200		107.3	82.7
280	250	17	107.3	82.7
315	300	17	107.3	82.7



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With electric actuator 230V with additional manual override
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

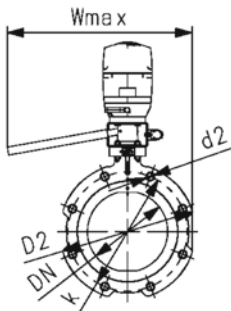
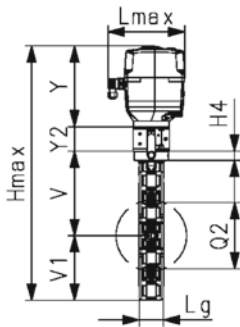
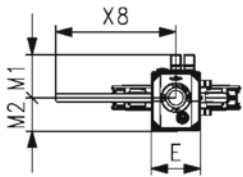
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Voltage 100-230V, 50-60Hz
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- With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

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 575 340	5.500	199 575 360	5.600
75	65	2 ½	16	2530	199 575 341	5.800	199 575 361	5.900
90	80	3	16	4020	199 575 342	5.900	199 575 362	6.000
110	100	4	16	5850	199 575 343	6.600	199 575 363	6.800
140	125	5	16	11900	199 575 344	7.100	199 575 364	7.400
160	150	6	16	18050	199 575 345	9.700	199 575 365	10.000
225	200	8	10	43667	199 575 346	11.000	199 575 366	11.500

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	429.6	190	385.0	133.3	70.1	189.3	43	28.3	125	M16	155	23	122.3
75	65	470.0	190	385.0	139.9	80.8	189.3	46	43.8	145	M16	175	23	122.3
90	80	486.2	190	387.5	145.6	91.3	189.3	46	63.5	160	M16	190	23	122.3
110	100	521.9	190	403.0	166.4	106.2	189.3	52	83.7	180	M16	221	23	122.3
140	125	549.6	190	417.0	180.0	120.3	189.3	56	110.4	210	M16	250	23	122.3
160	150	580.7	190	429.0	189.0	132.4	199.3	56	137.3	240	M20	277	23	122.3
225	200	629.1	190	457.0	209.5	160.3	199.3	60	191.1	295	M20	337	23	122.3

d (mm)	DN (mm)	M1 (mm)	M2 (mm)	X8 (mm)	Y2 (mm)
63	50	107.3	82.7	297.5	60
75	65	107.3	82.7	297.5	60
90	80	107.3	82.7	297.5	60
110	100	107.3	82.7	297.5	60
140	125	107.3	82.7	297.5	60
160	150	107.3	82.7	297.5	60
225	200	107.3	82.7	297.5	60



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With electric actuator 24V
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

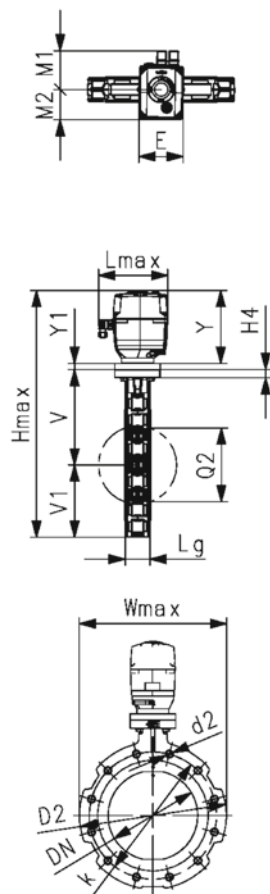
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Voltage 24V AC/DC
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Manual override integrated in electric actuator
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 575 400	3.300	199 575 420	3.400
75	65	2 ½	16	2530	199 575 401	4.600	199 575 421	4.700
90	80	3	16	4020	199 575 402	4.700	199 575 422	4.800
110	100	4	16	5850	199 575 403	5.600	199 575 423	5.800
140	125	5	16	11900	199 575 404	6.100	199 575 424	6.400
160	150	6	16	18050	199 575 405	8.700	199 575 425	9.000
225	200	8	10	43667	199 575 406	10.000	199 575 426	10.500
280	250	10	10	62333	199 575 407	14.500	199 575 427	15.200
315	300	12	6	94500	199 575 408	18.200	199 575 428	19.400

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	384.6	190	140	133.3	70.1	166.2	43	28.3	125	M16	155	23	122.3
75	65	410.0	190	161	139.9	80.8	189.3	46	43.8	145	M16	175	23	122.3
90	80	426.2	190	180	145.6	91.3	189.3	46	63.5	160	M16	190	23	122.3
110	100	461.9	190	211	166.4	106.2	189.3	52	83.7	180	M16	221	23	122.3
140	125	489.6	190	239	180.0	120.3	189.3	56	110.4	210	M16	250	23	122.3
160	150	520.7	190	263	189.0	132.4	199.3	56	137.3	240	M20	277	23	122.3
225	200	569.1	190	319	209.5	160.3	199.3	60	191.1	295	M20	337	23	122.3
280	250	677.9	190	403	262.5	199.1	199.3	68	238.9	350	M20	403	23	122.3
315	300	736.1	190	482	284.3	235.5	199.3	78	285.5	400	M20	479	23	122.3

d (mm)	DN (mm)	Y1 (mm)
63	50	15
75	65	
90	80	
110	100	
140	125	
160	150	
225	200	
280	250	17
315	300	17



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With electric actuator 24V with additional manual override
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

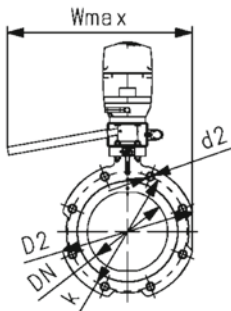
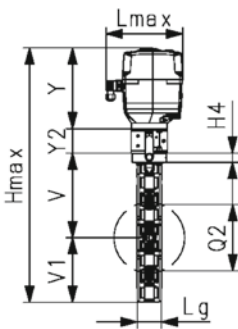
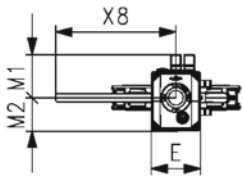
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Voltage 24V AC/DC
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Manual override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

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 575 440	5.500	199 575 460	5.600
75	65	2 ½	16	2530	199 575 441	5.800	199 575 461	5.900
90	80	3	16	4020	199 575 442	5.900	199 575 462	6.000
110	100	4	16	5850	199 575 443	6.600	199 575 463	6.800
140	125	5	16	11900	199 575 444	7.100	199 575 464	7.400
160	150	6	16	18050	199 575 445	9.700	199 575 465	10.000
225	200	8	10	43667	199 575 446	11.000	199 575 466	11.500

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	429.6	190	385.0	133.3	70.1	189.3	43	28.3	125	M16	155	23	122.3
75	65	470.0	190	385.0	139.9	80.8	189.3	46	43.8	145	M16	175	23	122.3
90	80	486.2	190	387.5	145.6	91.3	189.3	46	63.5	160	M16	190	23	122.3
110	100	521.9	190	403.0	166.4	106.2	189.3	52	83.7	180	M16	221	23	122.3
140	125	549.6	190	417.0	180.0	120.3	189.3	56	110.4	210	M16	250	23	122.3
160	150	580.7	190	429.0	189.0	132.4	199.3	56	137.3	240	M20	277	23	122.3
225	200	629.1	190	457.0	209.5	160.3	199.3	60	191.1	295	M20	337	23	122.3

d (mm)	DN (mm)	M1 (mm)	M2 (mm)	X8 (mm)	Y2 (mm)
63	50	107.3	82.7	297.5	60
75	65	107.3	82.7	297.5	60
90	80	107.3	82.7	297.5	60
110	100	107.3	82.7	297.5	60
140	125	107.3	82.7	297.5	60
160	150	107.3	82.7	297.5	60
225	200	107.3	82.7	297.5	60



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With pneumatic actuator - fail safe to close (FC)
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

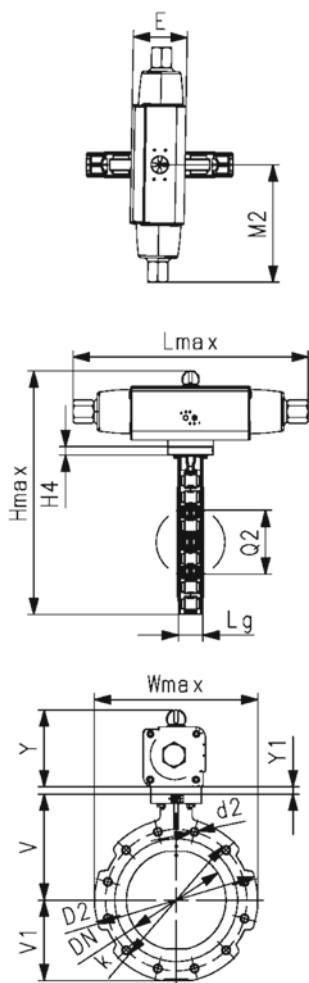
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (l/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 575 500	3.200	199 575 520	3.300
75	65	2 ½	16	2530	199 575 501	3.500	199 575 521	3.600
90	80	3	16	4020	199 575 502	4.300	199 575 522	4.400
110	100	4	16	5850	199 575 503	5.900	199 575 523	6.100
140	125	5	16	11900	199 575 504	7.900	199 575 524	8.200
160	150	6	16	18050	199 575 505	10.700	199 575 525	11.000
225	200	8	10	43667	199 575 506	16.400	199 575 526	16.900
280	250	10	10	62333	199 575 507	25.500	199 575 527	26.200
315	300	12	6	94500	199 575 508	32.100	199 575 528	33.300

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	316.6	274.4	140	133.3	70.1	98.2	43	28.3	125	M16	155	23	70.4
75	65	333.9	274.4	161	139.9	80.8	98.2	46	43.8	145	M16	175	23	70.4
90	80	363.0	325.2	180	145.6	91.3	111.1	46	63.5	160	M16	190	23	83.3
110	100	387.4	359.6	211	166.4	106.2	114.8	52	83.7	180	M16	221	23	87.0
140	125	449.8	418.0	239	180.0	120.3	149.5	56	110.4	210	M16	250	23	107.5
160	150	474.5	434.0	263	189.0	132.4	153.1	56	137.3	240	M20	277	23	111.1
225	200	546.8	547.3	319	209.5	160.3	177.0	60	191.1	295	M20	337	23	135.0
280	250	668.6	646.0	403	262.5	199.1	190.0	68	238.9	350	M20	403	23	148.0
315	300	746.9	681.0	482	284.3	235.5	210.1	78	285.5	400	M20	479	23	168.0

d (mm)	DN (mm)	Y1 (mm)	M2 (mm)
63	50	15	137.2
75	65	15	137.2
90	80	15	162.6
110	100		179.8
140	125		209.0
160	150		217.0
225	200		274.0
280	250	17	323.0
315	300	17	340.5



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With pneumatic actuator - fail safe to open (FO)
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

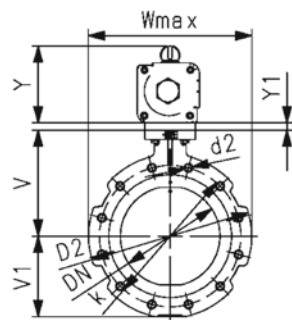
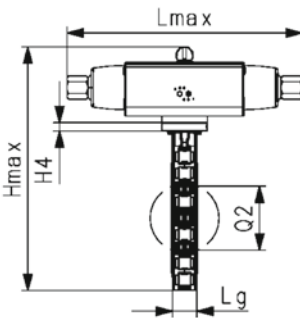
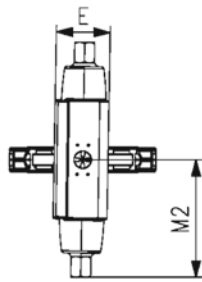
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 575 540	3.200	199 575 560	3.300
75	65	2 ½	16	2530	199 575 541	3.500	199 575 561	3.600
90	80	3	16	4020	199 575 542	4.300	199 575 562	4.400
110	100	4	16	5850	199 575 543	5.900	199 575 563	6.100
140	125	5	16	11900	199 575 544	7.900	199 575 564	8.200
160	150	6	16	18050	199 575 545	10.700	199 575 565	11.000
225	200	8	10	43667	199 575 546	14.800	199 575 566	15.300
280	250	10	10	62333	199 575 547	28.400	199 575 567	29.100
315	300	12	6	94500	199 575 548	32.100	199 575 568	33.300

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	316.6	274.4	140	133.3	70.1	98.2	43	28.3	125	M16	155	23	70.4
75	65	333.9	274.4	161	139.9	80.8	98.2	46	43.8	145	M16	175	23	70.4
90	80	363.0	325.2	180	145.6	91.3	111.1	46	63.5	160	M16	190	23	83.3
110	100	387.4	359.6	211	166.4	106.2	114.8	52	83.7	180	M16	221	23	87.0
140	125	449.8	418.0	239	180.0	120.3	149.5	56	110.4	210	M16	250	23	107.5
160	150	474.5	434.0	263	189.0	132.4	153.1	56	137.3	240	M20	277	23	111.1
225	200	546.8	547.3	319	209.5	160.3	177.0	60	191.1	295	M20	337	23	135.0
280	250	668.6	646.0	403	262.5	199.1	190.0	68	238.9	350	M20	403	23	148.0
315	300	746.9	681.0	482	284.3	235.5	210.1	78	285.5	400	M20	479	23	168.0

d (mm)	DN (mm)	Y1 (mm)	M2 (mm)
63	50	15	137.2
75	65	15	137.2
90	80	15	162.6
110	100		179.8
140	125		209.0
160	150		217.0
225	200		274.0
280	250	17	323.0
315	300	17	340.5



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

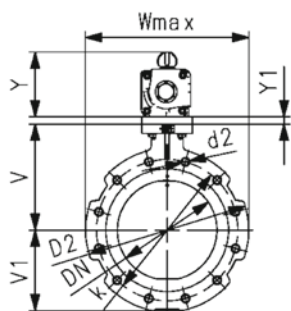
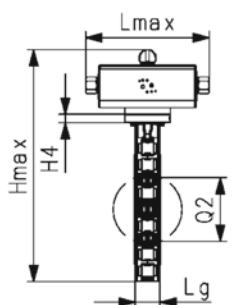
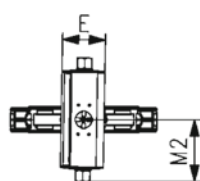
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (l/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 575 600	2.600	199 575 620	2.700
75	65	2 ½	16	2530	199 575 601	2.900	199 575 621	3.000
90	80	3	16	4020	199 575 602	3.400	199 575 622	3.500
110	100	4	16	5850	199 575 603	4.500	199 575 623	4.700
140	125	5	16	11900	199 575 604	5.100	199 575 624	5.400
160	150	6	16	18050	199 575 605	7.700	199 575 625	8.000
225	200	8	10	43667	199 575 606	10.700	199 575 626	11.200
280	250	10	10	62333	199 575 607	16.900	199 575 627	17.600
315	300	12	6	94500	199 575 608	22.400	199 575 628	23.600

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	310.7	196.2	140	133.3	70.1	92.3	43	28.3	125	M16	155	23	64.5
75	65	328.0	196.2	161	139.9	80.8	92.3	46	43.8	145	M16	175	23	64.5
90	80	350.1	205.6	180	145.6	91.3	98.2	46	63.5	160	M16	190	23	70.4
110	100	383.8	242.0	211	166.4	106.2	111.2	52	83.7	180	M16	221	23	83.3
140	125	411.5	242.0	239	180.0	120.3	111.2	56	110.4	210	M16	250	23	83.3
160	150	470.9	290.0	263	189.0	132.4	149.5	56	137.3	240	M20	277	23	107.5
225	200	523.3	313.9	319	209.5	160.3	153.5	60	191.1	295	M20	337	23	111.5
280	250	638.6	339.6	403	262.5	199.1	160.0	68	238.9	350	M20	403	23	118.0
315	300	713.8	382.5	482	284.3	235.5	177.0	78	285.5	400	M20	479	23	135.0

d (mm)	DN (mm)	Y1 (mm)	M2 (mm)
63	50	15	98.1
75	65	15	98.1
90	80	15	102.8
110	100		121.0
140	125		121.0
160	150		145.0
225	200		157.0
280	250	17	169.8
315	300	17	191.5



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With pneumatic actuator - double acting (DA)
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

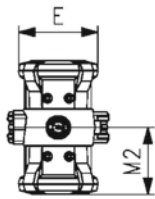
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

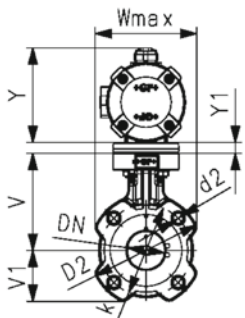
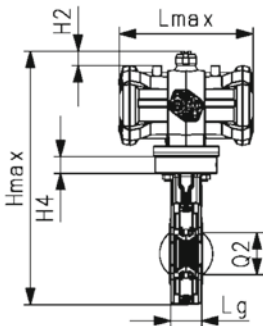
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code
63	50	2	16	1445	199 575 630	2.396	199 575 690
75	65	2 ½	16	2530	199 575 631	2.664	199 575 691
90	80	3	16	4020	199 575 632	2.854	199 575 692

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	314.4	183.5	140	133.3	70.1	111	43	28.3	125	M16	155	23	119.5
75	65	331.7	183.5	161	139.9	80.8	111	46	43.8	145	M16	175	23	119.5
90	80	347.9	183.5	180	145.6	91.3	111	46	63.5	160	M16	190	23	119.5

d (mm)	DN (mm)	M2 (mm)
63	50	91.75
75	65	91.75
90	80	91.75





Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With pneumatic actuator - fail safe to close (FC)
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

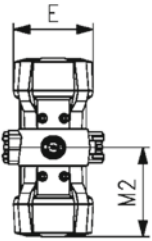
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

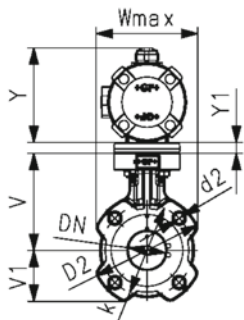
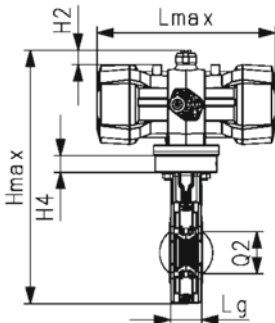
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code
63	50	2	16	1445	199 575 650	2.922	199 575 660
75	65	2 ½	16	2530	199 575 651	4.905	199 575 661
90	80	3	16	4020	199 575 652	5.075	199 575 662

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	398.6	245.5	211	133.3	70.1	111	43	28.3	125	M16	155	23	119.5
75	65	446.3	343.0	239	139.9	80.8	131	46	43.8	145	M16	175	23	141.5
90	80	467.4	343.0	263	145.6	91.3	131	46	63.5	160	M16	190	23	141.5

d (mm)	DN (mm)	Y1 (mm)	M2 (mm)
63	50	15	122.75
75	65	15	171.50
90	80	15	171.50





Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With pneumatic actuator - fail safe to open (FO)
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

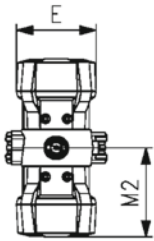
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

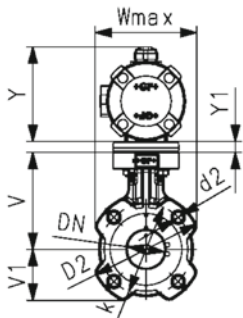
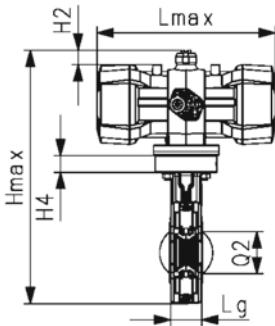
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code
63	50	2	16	1445	199 575 670	2.922	199 575 680
75	65	2 ½	16	2530	199 575 671	4.905	199 575 681
90	80	3	16	4020	199 575 672	5.075	199 575 682

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	362.9	245.5	140	133.3	70.1	111	43	28.3	125	M16	155	23	119.5
75	65	418.6	343.0	161	139.9	80.8	131	46	43.8	145	M16	175	23	141.5
90	80	446.3	343.0	180	145.6	91.3	131	46	63.5	160	M16	190	23	141.5

d (mm)	DN (mm)	Y1 (mm)	M2 (mm)
63	50	15	122.75
75	65	15	171.50
90	80	15	171.50





Lug-style end installation butterfly valve type 565L PVDF/PA-GF
Electric, dEA, 100-230V
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

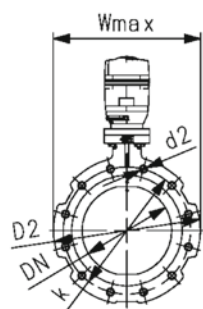
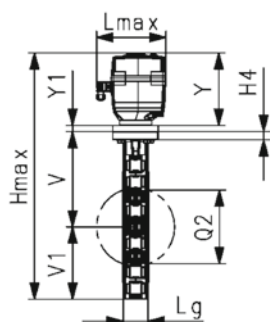
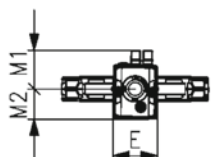
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Voltage 100-230V, 50-60Hz
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Connectivity 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)

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com

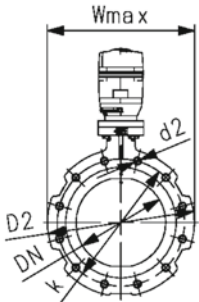
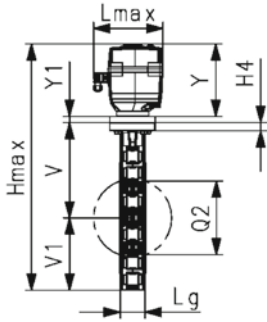
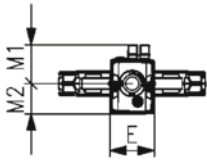


d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value (Δp=1 bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 575 700	4.300	199 575 709	4.400
75	65	2 ½	16	2530	199 575 701	4.600	199 575 710	4.700
90	80	3	16	4020	199 575 702	4.700	199 575 711	4.800
110	100	4	16	5850	199 575 703	5.600	199 575 712	5.800
140	125	5	16	11900	199 575 704	6.100	199 575 713	6.400
160	150	6	16	18050	199 575 705	8.700	199 575 714	9.000
225	200	8	10	43667	199 575 706	10.000	199 575 715	10.500
280	250	10	10	62333	199 575 707	14.500	199 575 716	15.200
315	300	12	6	94500	199 575 708	18.200	199 575 717	19.400

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	384.6	190	140	133.3	70.1	166.5	43	28.3	125	M16	155	23	122.3
75	65	410.0	190	161	139.9	80.8	189.5	46	43.8	145	M16	175	23	122.3
90	80	426.2	190	180	145.6	91.3	189.5	46	63.5	160	M16	190	23	122.3
110	100	461.9	190	211	166.4	106.2	189.5	52	83.7	180	M16	221	23	122.3
140	125	489.6	190	239	180.0	120.3	189.5	56	110.4	210	M16	250	23	122.3
160	150	520.7	190	263	189.0	132.4	199.5	56	137.3	240	M20	277	23	122.3
225	200	569.1	190	319	209.5	160.3	199.5	60	191.1	295	M20	337	23	122.3
280	250	677.9	190	403	262.5	199.1	199.5	68	238.9	350	M20	403	23	122.3
315	300	736.1	190	482	284.3	235.5	199.5	78	285.5	400	M20	479	23	122.3

d (mm)	DN (mm)	Y1 (mm)	M1 (mm)	M2 (mm)
63	50	15	107.5	83
75	65		107.5	83
90	80		107.5	83
110	100		107.5	83
140	125		107.5	83

d	DN	Y1	M1	M2
(mm)	(mm)	(mm)	(mm)	(mm)
160	150		107.5	83
225	200		107.5	83
280	250	17	107.5	83
315	300	17	107.5	83





Lug-style end installation butterfly valve type 565L PVDF/PA-GF
Electric, dEA, 24V
Flange standard ISO/Metric
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

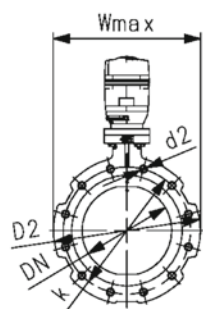
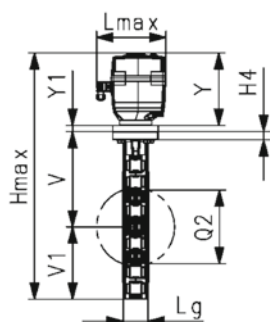
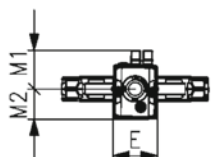
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16
- For easy installation and removal
- Voltage 24V AC/DC
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Connectivity 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)

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com

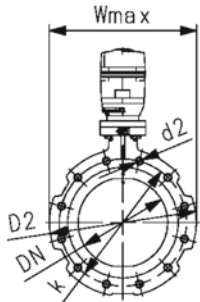
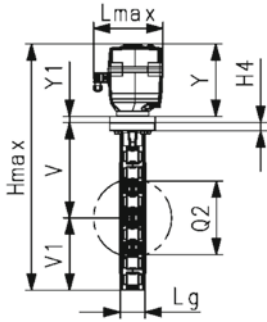
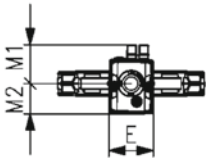


d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value (Δp=1 bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 575 718	4.300	199 575 727	4.400
75	65	2 ½	16	2530	199 575 719	4.600	199 575 728	4.700
90	80	3	16	4020	199 575 720	4.700	199 575 729	4.800
110	100	4	16	5850	199 575 721	5.600	199 575 730	5.800
140	125	5	16	11900	199 575 722	6.100	199 575 731	6.400
160	150	6	16	18050	199 575 723	8.700	199 575 732	9.000
225	200	8	10	43667	199 575 724	10.000	199 575 733	10.500
280	250	10	10	62333	199 575 725	14.500	199 575 734	15.200
315	300	12	6	94500	199 575 726	18.200	199 575 735	19.400

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	50	384.6	190	140	133.3	70.1	166.5	43	28.3	125	M16	155	23	122.3
75	65	410.0	190	161	139.9	80.8	189.5	46	43.8	145	M16	175	23	122.3
90	80	426.2	190	180	145.6	91.3	189.5	46	63.5	160	M16	190	23	122.3
110	100	461.9	190	211	166.4	106.2	189.5	52	83.7	180	M16	221	23	122.3
140	125	489.6	190	239	180.0	120.3	189.5	56	110.4	210	M16	250	23	122.3
160	150	520.7	190	263	189.0	132.4	199.5	56	137.3	240	M20	277	23	122.3
225	200	569.1	190	319	209.5	160.3	199.5	60	191.1	295	M20	337	23	122.3
280	250	677.9	190	403	262.5	199.1	199.5	68	238.9	350	M20	403	23	122.3
315	300	736.1	190	482	284.3	235.5	199.5	78	285.5	400	M20	479	23	122.3

d (mm)	DN (mm)	Y1 (mm)	M1 (mm)	M2 (mm)
63	50	15	107.5	83
75	65		107.5	83
90	80		107.5	83
110	100		107.5	83
140	125		107.5	83

d	DN	Y1	M1	M2
(mm)	(mm)	(mm)	(mm)	(mm)
160	150		107.5	83
225	200		107.5	83
280	250	17	107.5	83
315	300	17	107.5	83





Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With hand lever
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

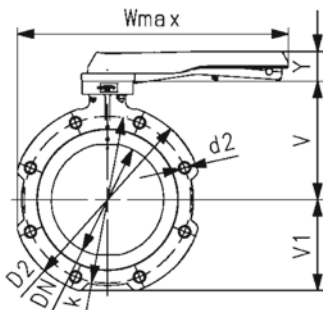
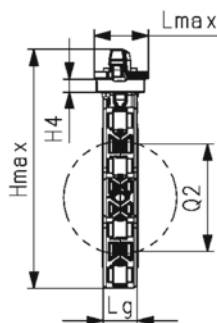
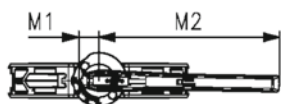
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

- Individual configuration of the valve possible
- Hand 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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (l/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 576 000	1.308	199 576 020	1.377
75	65	2 1/2	16	2530	199 576 001	1.542	199 576 021	1.644
90	80	3	16	4020	199 576 002	1.712	199 576 022	1.835
110	100	4	16	5850	199 576 003	2.517	199 576 023	2.693
140	125	5	16	11900	199 576 004	3.086	199 576 024	3.346
160	150	6	16	18050	199 576 005	4.029	199 576 025	4.347
225	200	8	10	43667	199 576 006	5.276	199 576 026	5.732

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	256.4	96	274.5	133.3	70.1	53	43	28.3	120.7	UNC 5/8	155	23
75	65	273.7	96	285.0	139.9	80.8	53	46	43.8	139.7	UNC 5/8	175	23
90	80	289.9	96	294.5	145.6	91.3	53	46	63.5	152.4	UNC 5/8	190	23
110	100	325.6	96	360.0	166.4	106.2	53	52	83.7	190.5	UNC 5/8	221	23
140	125	353.3	96	374.0	180.0	120.3	53	56	110.4	215.9	UNC 3/4	250	23
160	150	374.4	96	454.5	189.0	132.4	53	56	137.3	241.3	UNC 3/4	277	23
225	200	422.8	96	482.5	209.5	160.3	53	60	191.1	298.5	UNC 3/4	337	23

d (mm)	DN (mm)	M1 (mm)	M2 (mm)
63	50	35.5	204.5
75	65	35.5	204.5
90	80	35.5	204.5
110	100	35.5	204.5
140	125	35.5	204.5
160	150	35.5	319.5
225	200	35.5	319.5



Lug-style end installation butterfly valve type 565L PVDF/PA-GF

Bare Shaft

Flange standard ANSI / ASTM / ASME

Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

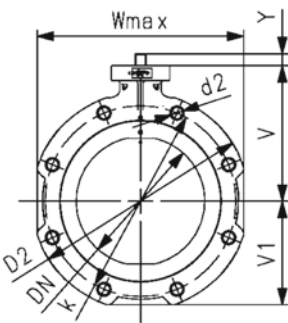
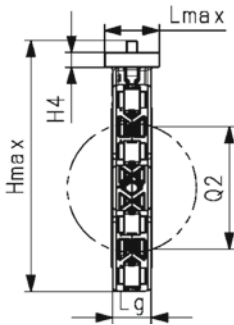
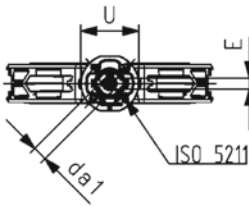
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

- Individual configuration of the valve possible
- Hand 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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	Acc.to ISO 5211	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	F07	199 576 100	0.881	199 576 120	0.950
75	65	2 ½	16	F07	199 576 101	1.115	199 576 121	1.217
90	80	3	16	F07	199 576 102	1.285	199 576 122	1.408
110	100	4	16	F07	199 576 103	2.024	199 576 123	2.200
140	125	5	16	F07	199 576 104	2.593	199 576 124	2.853
160	150	6	16	F07	199 576 105	3.743	199 576 125	3.791
225	200	8	10	F07	199 576 106	4.720	199 576 126	5.176
280	250	10	10	F10	199 576 107	8.837	199 576 127	9.517
315	300	12	6	F10	199 576 108	12.614	199 576 128	13.744

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	230.4	84.8	140	133.3	70.1	27	43	28.3	120.7	UNC 5/8	155	23
75	65	247.7	84.8	161	139.9	80.8	27	46	43.8	139.7	UNC 5/8	175	23
90	80	263.9	84.8	180	145.6	91.3	27	46	63.5	152.4	UNC 5/8	190	23
110	100	288.6	84.8	211	166.4	106.2	16	52	83.7	190.5	UNC 5/8	221	23
140	125	316.3	84.8	239	180.0	120.3	16	56	110.4	215.9	UNC 3/4	250	23
160	150	340.4	84.8	263	189.0	132.4	19	56	137.3	241.3	UNC 3/4	277	23
225	200	388.8	84.8	319	209.5	160.3	19	60	191.1	298.5	UNC 3/4	337	23
280	250	201.6	125.0	403	262.5	199.1	40	68	238.9	362.0	UNC 7/8	403	23
315	300	559.8	125.0	482	284.3	235.5	40	78	285.5	431.8	UNC 7/8	479	23

d (mm)	DN (mm)	U (mm)	E (mm)	da1 (mm)
63	50	90	11	14.1
75	65	90	11	14.1
90	80	90	11	14.1
110	100	90	14	18.1
140	125	90	14	18.1
160	150	90	17	22.2
225	200	90	17	22.2
280	250	125	22	28.2
315	300	125	22	28.2



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
Reduction gear with hand wheel
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

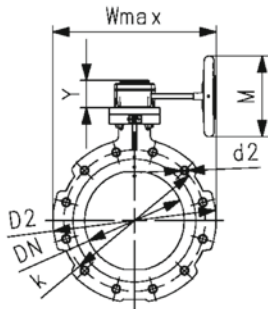
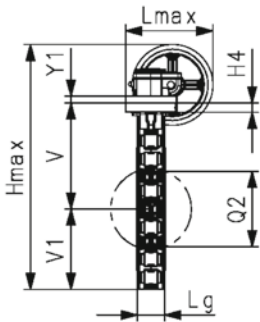
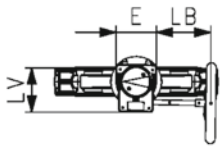
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

- Individual configuration of the valve possible
- Hand 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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value (Δp=1 bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 576 200	3.009	199 576 220	3.078
75	65	2 ½	16	2530	199 576 201	3.243	199 576 221	3.345
90	80	3	16	4020	199 576 202	3.413	199 576 222	3.536
110	100	4	16	5850	199 576 203	4.152	199 576 223	4.328
140	125	5	16	11900	199 576 204	4.721	199 576 224	4.981
160	150	6	16	18050	199 576 205	5.493	199 576 225	5.811
225	200	8	10	43667	199 576 206	6.740	199 576 226	7.196
280	250	10	10	62333	199 576 207	12.739	199 576 227	13.419
315	300	12	6	94500	199 576 208	16.516	199 576 228	17.646

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	344.6	190.75	251.0	133.3	70.1	61.2	43	28.3	120.7	UNC 5/8	155	23
75	65	361.9	190.75	261.5	139.9	80.8	61.2	46	43.8	139.7	UNC 5/8	175	23
90	80	378.1	190.75	271.0	145.6	91.3	61.2	46	63.5	152.4	UNC 5/8	190	23
110	100	413.8	190.75	286.5	166.4	106.2	61.2	52	83.7	190.5	UNC 5/8	221	23
140	125	441.5	190.75	300.5	180.0	120.3	61.2	56	110.4	215.9	UNC 3/4	250	23
160	150	462.6	190.75	312.5	189.0	132.4	61.2	56	137.3	241.3	UNC 3/4	277	23
225	200	511.0	190.75	319.0	209.5	160.3	61.2	60	191.1	298.5	UNC 3/4	337	23
280	250	647.0	207.40	403.0	262.5	199.1	68.4	68	238.9	362.0	UNC 7/8	403	23
315	300	705.2	207.40	482.0	284.3	235.5	68.4	78	285.5	431.8	UNC 7/8	479	23

d (mm)	DN (mm)	E (mm)	Y1 (mm)	M (mm)	LV (mm)	LB (mm)
63	50	80		160	112.3	129.5
75	65	80		160	112.3	129.5
90	80	80		160	112.3	129.5
110	100	80		160	112.3	129.5
140	125	80		160	112.3	129.5
160	150	80		160	112.3	129.5
225	200	80		160	112.3	129.5
280	250	100	17	200	130.0	134.0
315	300	100	17	200	130.0	134.0



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With electric actuator 230V
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

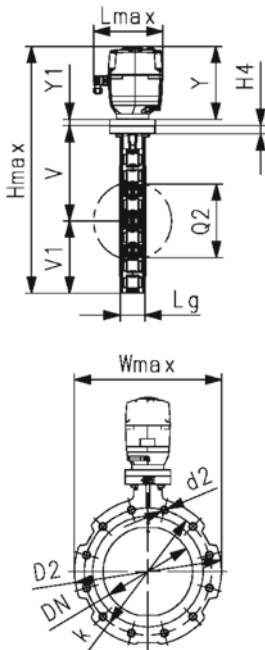
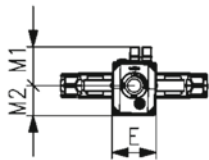
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)
- Voltage 100-230V, 50-60Hz
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ Middle)
- Manual override integrated in electric actuator
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com

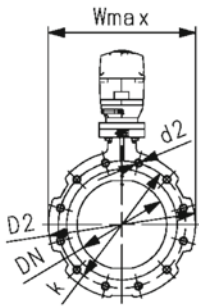
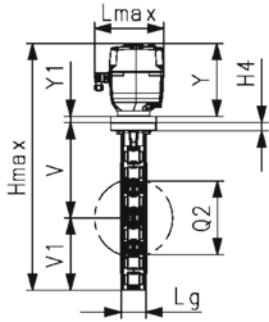
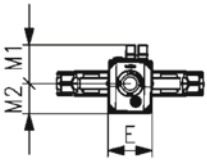


d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value (Δp=1 bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 576 300	3.300	199 576 320	3.400
75	65	2 ½	16	2530	199 576 301	4.600	199 576 321	4.700
90	80	3	16	4020	199 576 302	4.700	199 576 322	4.800
110	100	4	16	5850	199 576 303	5.600	199 576 323	5.800
140	125	5	16	11900	199 576 304	6.100	199 576 324	6.400
160	150	6	16	18050	199 576 305	8.700	199 576 325	9.000
225	200	8	10	43667	199 576 306	10.000	199 576 326	10.500
280	250	10	10	62333	199 576 307	14.500	199 576 327	15.200
315	300	12	6	94500	199 576 308	18.200	199 576 328	19.400

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	384.6	190	140	133.3	70.1	166.2	43	28.3	120.7	UNC 5/8	155	23
75	65	410.0	190	161	139.9	80.8	189.3	46	43.8	139.7	UNC 5/8	175	23
90	80	426.2	190	180	145.6	91.3	189.3	46	63.5	152.4	UNC 5/8	190	23
110	100	461.9	190	211	166.4	106.2	189.3	52	83.7	190.5	UNC 5/8	221	23
140	125	489.6	190	239	180.0	120.3	189.3	56	110.4	215.9	UNC 3/4	250	23
160	150	520.7	190	263	189.0	132.4	199.3	56	137.3	241.3	UNC 3/4	277	23
225	200	569.1	190	319	209.5	160.3	199.3	60	191.1	298.5	UNC 3/4	337	23
280	250	677.9	190	403	262.5	199.1	199.3	68	238.9	362.0	UNC 7/8	403	23
315	300	736.1	190	482	284.3	235.5	199.3	78	285.5	431.8	UNC 7/8	479	23

d (mm)	DN (mm)	E (mm)	Y1 (mm)	M1 (mm)	M2 (mm)
63	50	122.3	15	107.3	82.7
75	65	122.3		107.3	82.7
90	80	122.3		107.3	82.7
110	100	122.3		107.3	82.7
140	125	122.3		107.3	82.7

d	DN	E	Y1	M1	M2
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
160	150	122.3		107.3	82.7
225	200	122.3		107.3	82.7
280	250	122.3	17	107.3	82.7
315	300	122.3	17	107.3	82.7





Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With electric actuator 230V with additional manual override
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

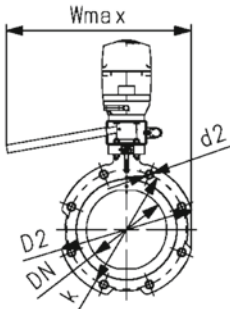
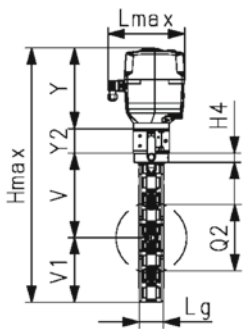
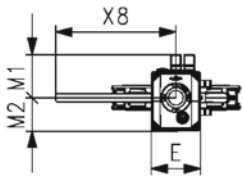
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value (Δp=1 bar) (l/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 576 340	5.500	199 576 360	5.600
75	65	2 ½	16	2530	199 576 341	5.800	199 576 361	5.900
90	80	3	16	4020	199 576 342	5.900	199 576 362	6.000
110	100	4	16	5850	199 576 343	6.600	199 576 363	6.800
140	125	5	16	11900	199 576 344	7.100	199 576 364	7.400
160	150	6	16	18050	199 576 345	9.700	199 576 365	10.000
225	200	8	10	43667	199 576 346	11.000	199 576 366	11.500

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	429.6	190	385.0	133.3	70.1	189.3	43	28.3	120.7	UNC 5/8	155	23
75	65	470.0	190	385.0	139.9	80.8	189.3	46	43.8	139.7	UNC 5/8	175	23
90	80	486.2	190	387.5	145.6	91.3	189.3	46	63.5	152.4	UNC 5/8	190	23
110	100	521.9	190	403.0	166.4	106.2	189.3	52	83.7	190.5	UNC 5/8	221	23
140	125	549.6	190	417.0	180.0	120.3	189.3	56	110.4	215.9	UNC 3/4	250	23
160	150	580.7	190	429.0	189.0	132.4	199.3	56	137.3	241.3	UNC 3/4	277	23
225	200	629.1	190	457.0	209.5	160.3	199.3	60	191.1	298.5	UNC 3/4	337	23

d (mm)	DN (mm)	E (mm)	M1 (mm)	M2 (mm)	X8 (mm)	Y2 (mm)
63	50	122.3	107.3	82.7	297.5	60
75	65	122.3	107.3	82.7	297.5	60
90	80	122.3	107.3	82.7	297.5	60
110	100	122.3	107.3	82.7	297.5	60
140	125	122.3	107.3	82.7	297.5	60
160	150	122.3	107.3	82.7	297.5	60
225	200	122.3	107.3	82.7	297.5	60



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With electric actuator 24V
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

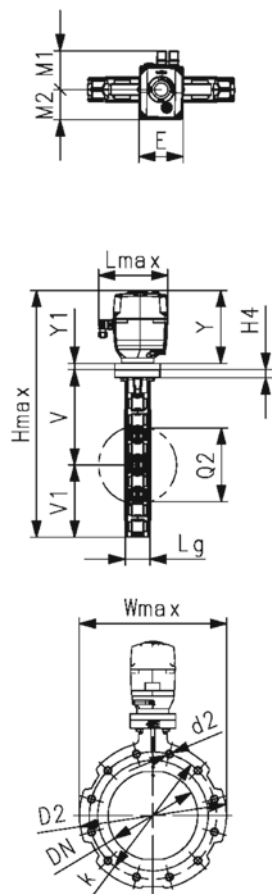
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 576 400	3.300	199 576 420	3.400
75	65	2 ½	16	2530	199 576 401	4.600	199 576 421	4.700
90	80	3	16	4020	199 576 402	4.700	199 576 422	4.800
110	100	4	16	5850	199 576 403	5.600	199 576 423	5.800
140	125	5	16	11900	199 576 404	6.100	199 576 424	6.400
160	150	6	16	18050	199 576 405	8.700	199 576 425	9.000
225	200	8	10	43667	199 576 406	10.000	199 576 426	10.500
280	250	10	10	62333	199 576 407	14.500	199 576 427	15.200
315	300	12	6	94500	199 576 408	18.200	199 576 428	19.400

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	384.6	190	140	133.3	70.1	166.2	43	28.3	120.7	UNC 5/8	155	23
75	65	410.0	190	161	139.9	80.8	189.3	46	43.8	139.7	UNC 5/8	175	23
90	80	426.2	190	180	145.6	91.3	189.3	46	63.5	152.4	UNC 5/8	190	23
110	100	461.9	190	211	166.4	106.2	189.3	52	83.7	190.5	UNC 5/8	221	23
140	125	489.6	190	239	180.0	120.3	189.3	56	110.4	215.9	UNC 3/4	250	23
160	150	520.7	190	263	189.0	132.4	199.3	56	137.3	241.3	UNC 3/4	277	23
225	200	569.1	190	319	209.5	160.3	199.3	60	191.1	298.5	UNC 3/4	337	23
280	250	677.9	190	403	262.5	199.1	199.3	68	238.9	362.0	UNC 7/8	403	23
315	300	736.1	190	482	284.3	235.5	199.3	78	285.5	431.8	UNC 7/8	479	23

d (mm)	DN (mm)	E (mm)	Y1 (mm)	M1 (mm)	M2 (mm)
63	50	122.3	15	107.3	82.7
75	65	122.3		107.3	82.7
90	80	122.3		107.3	82.7
110	100	122.3		107.3	82.7
140	125	122.3		107.3	82.7
160	150	122.3		107.3	82.7
225	200	122.3		107.3	82.7
280	250	122.3	17	107.3	82.7
315	300	122.3	17	107.3	82.7



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With electric actuator 24V with additional manual override
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

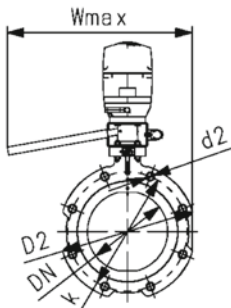
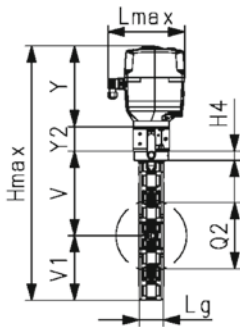
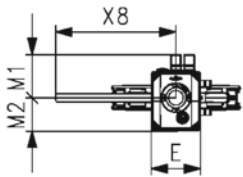
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor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

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 576 440	5.500	199 576 460	5.600
75	65	2 ½	16	2530	199 576 441	5.800	199 576 461	5.900
90	80	3	16	4020	199 576 442	5.900	199 576 462	6.000
110	100	4	16	5850	199 576 443	6.600	199 576 463	6.800
140	125	5	16	11900	199 576 444	7.100	199 576 464	7.400
160	150	6	16	18050	199 576 445	9.700	199 576 465	10.000
225	200	8	10	43667	199 576 446	11.000	199 576 466	11.500

d (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)	E (mm)
63	429.6	190	385.0	133.3	70.1	189.3	43	28.3	120.7	UNC 5/8	155	23	122.3
75	470.0	190	385.0	139.9	80.8	189.3	46	43.8	139.7	UNC 5/8	175	23	122.3
90	486.2	190	387.5	145.6	91.3	189.3	46	63.5	152.4	UNC 5/8	190	23	122.3
110	521.9	190	403.0	166.4	106.2	189.3	52	83.7	190.5	UNC 5/8	221	23	122.3
140	549.6	190	417.0	180.0	120.3	189.3	56	110.4	215.9	UNC 3/4	250	23	122.3
160	580.7	190	429.0	189.0	132.4	199.3	56	137.3	241.3	UNC 3/4	277	23	122.3
225	629.1	190	457.0	209.5	160.3	199.3	60	191.1	298.5	UNC 3/4	337	23	122.3

d (mm)	X8 (mm)	Y2 (mm)	M1 (mm)	M2 (mm)
63	297.5	60	107.3	82.7
75	297.5	60	107.3	82.7
90	297.5	60	107.3	82.7
110	297.5	60	107.3	82.7
140	297.5	60	107.3	82.7
160	297.5	60	107.3	82.7
225	297.5	60	107.3	82.7



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With pneumatic actuator - fail safe to close (FC)
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

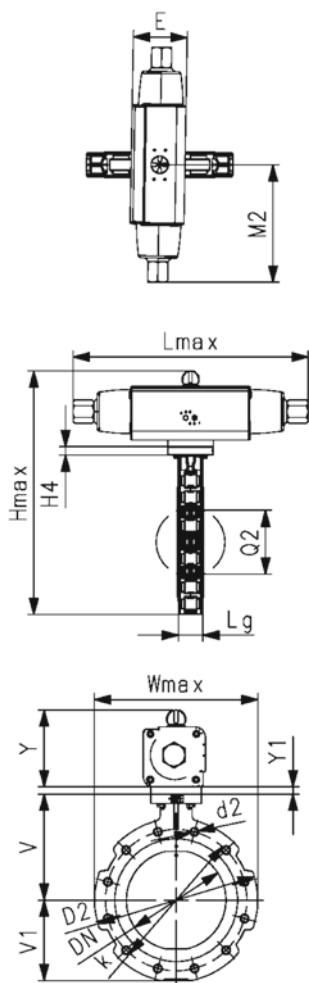
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Switching Ring for the double sensor for electrical position feedback is pre-assembled.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

Option:

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 576 500	3.200	199 576 520	3.300
75	65	2 ½	16	2530	199 576 501	3.500	199 576 521	3.600
90	80	3	16	4020	199 576 502	4.300	199 576 522	4.400
110	100	4	16	5850	199 576 503	5.900	199 576 523	6.100
140	125	5	16	11900	199 576 504	7.900	199 576 524	8.200
160	150	6	16	18050	199 576 505	10.700	199 576 525	11.000
225	200	8	10	43667	199 576 506	16.400	199 576 526	16.900
280	250	10	10	62333	199 576 507	25.500	199 576 527	26.200
315	300	12	6	94500	199 576 508	32.100	199 576 528	33.300

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	316.6	274.4	140	133.3	70.1	98.2	43	28.3	120.7	UNC 5/8	155	23
75	65	333.9	274.4	161	139.9	80.8	98.2	46	43.8	139.7	UNC 5/8	175	23
90	80	363.0	325.2	180	145.6	91.3	111.1	46	63.5	152.4	UNC 5/8	190	23
110	100	287.4	259.6	211	166.4	106.2	114.8	52	83.7	190.5	UNC 5/8	221	23
140	125	449.8	418.0	239	180.0	120.3	149.5	56	110.4	215.9	UNC 3/4	250	23
160	150	474.5	434.0	263	189.0	132.4	153.1	56	137.3	241.3	UNC 3/4	277	23
225	200	546.8	547.3	319	209.5	160.3	177.0	60	191.1	298.5	UNC 3/4	337	23
280	250	668.6	646.0	403	262.5	199.1	190.0	68	238.9	362.0	UNC 7/8	403	23
315	300	746.9	681.0	482	284.3	235.5	210.1	78	285.5	431.8	UNC 7/8	479	23

d (mm)	DN (mm)	E (mm)	Y1 (mm)	M2 (mm)
63	50	70.4	15	137.2
75	65	70.4	15	137.2
90	80	83.3	15	162.6
110	100	87.0		179.8
140	125	107.5		209.0
160	150	111.1		217.0
225	200	135.0		274.0
280	250	148.0	17	323.0
315	300	168.0	17	340.5



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With pneumatic actuator - fail safe to open (FO)
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

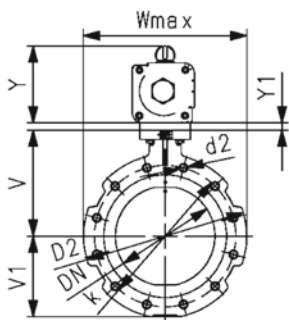
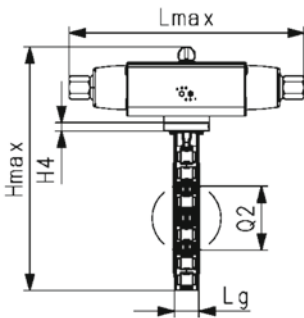
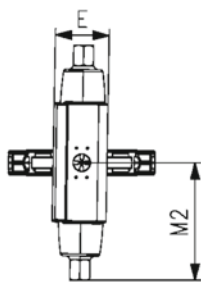
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value (Δp=1 bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 576 540	3.200	199 576 560	3.300
75	65	2 ½	16	2530	199 576 541	3.500	199 576 561	3.600
90	80	3	16	4020	199 576 542	4.300	199 576 562	4.400
110	100	4	16	5850	199 576 543	5.900	199 576 563	6.100
140	125	5	16	11900	199 576 544	7.900	199 576 564	8.200
160	150	6	16	18050	199 576 545	10.700	199 576 565	11.000
225	200	8	10	43667	199 576 546	14.800	199 576 566	15.300
280	250	10	10	62333	199 576 547	28.400	199 576 567	29.100
315	300	12	6	94500	199 576 548	32.100	199 576 568	33.300

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	316.6	274.4	140	133.3	70.1	27	43	28.3	120.7	UNC 5/8	155	23
75	65	333.9	274.4	161	139.9	80.8	27	46	43.8	139.7	UNC 5/8	175	23
90	80	363.0	325.2	180	145.6	91.3	27	46	63.5	152.4	UNC 5/8	190	23
110	100	387.4	359.6	211	166.4	106.2	16	52	83.7	190.5	UNC 5/8	221	23
140	125	449.8	418.0	239	180.0	120.3	16	56	110.4	215.9	UNC 3/4	250	23
160	150	474.5	434.0	263	189.0	132.4	19	56	137.3	241.3	UNC 3/4	277	23
225	200	546.8	547.3	319	209.5	160.3	19	60	191.1	298.5	UNC 3/4	337	23
280	250	668.6	646.0	403	262.5	199.1	40	68	238.9	362.0	UNC 7/8	403	23
315	300	746.9	681.0	482	284.3	235.5	40	78	285.5	431.8	UNC 7/8	479	23

d (mm)	DN (mm)	E (mm)	Y1 (mm)	M2 (mm)
63	50	11	15	137.2
75	65	11	15	137.2
90	80	11	15	162.6
110	100	14		179.8
140	125	14		209.0
160	150	17		217.0
225	200	17		274.0
280	250	22	17	323.0
315	300	22	17	340.5



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With pneumatic actuator - double acting (DA)
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

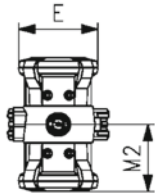
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

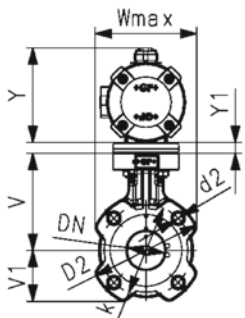
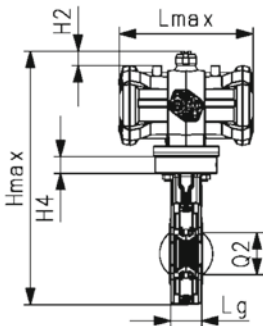
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code
63	50	2	16	1445	199 576 630	2.396	199 576 690
75	65	2 ½	16	2530	199 576 631	2.664	199 576 691
90	80	3	16	4020	199 576 632	2.854	199 576 692

d	DN	Hmax	Lmax	Wmax	V	V1	Y	Lg	Q2	k	d2	D2	H4	E
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
63	50	314.4	183.5	140	133.3	70.1	111	43	28.3	125	M16	155	23	119.5
75	65	331.7	183.5	161	139.9	80.8	111	46	43.8	145	M16	175	23	119.5
90	80	347.9	183.5	180	145.6	91.3	111	46	63.5	160	M16	190	23	119.5

d	DN	M2
(mm)	(mm)	(mm)
63	50	91.75
75	65	91.75
90	80	91.75





Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With pneumatic actuator - fail safe to close (FC)
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

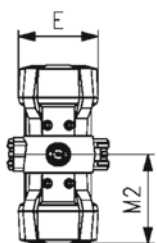
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

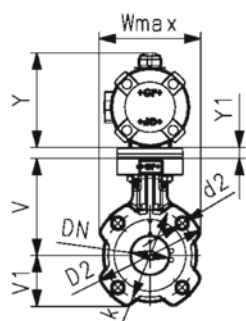
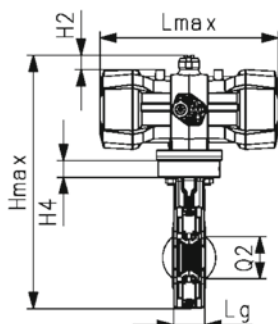
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code
63	50	2	16	1445	199 576 650	2.922	199 576 660
75	65	2 ½	16	2530	199 576 651	4.905	199 576 661
90	80	3	16	4020	199 576 652	5.075	199 576 662

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	398.6	245.5	211	133.3	70.1	111	43	28.3	120.7	UNC 5/8	155	23
75	65	446.3	343.0	239	139.9	80.8	131	46	43.8	139.7	UNC 5/8	175	23
90	80	467.4	343.0	263	145.6	91.3	131	46	63.5	152.4	UNC 5/8	190	23

d (mm)	DN (mm)	E (mm)	Y1 (mm)	M2 (mm)
63	50	119.5	15	122.75
75	65	141.5	15	171.50
90	80	141.5	15	171.50





Lug-style end installation butterfly valve type 565L PVDF/PA-GF
With pneumatic actuator - fail safe to open (FO)
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

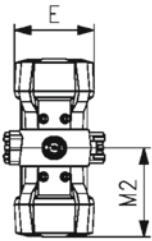
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Control time 0-90° 1-2s
- Control pressure supply through integrated NAMUR interface according VDI/VDE 3845 with 5.6 bar (81.2 psi)
- Full plastic solution (actuator housing made of PP-GF)
- Switching Ring for the double sensor for electrical position feedback is pre-assembled. Double-sensor can be ordered as accessory
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

Option:

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

Note:

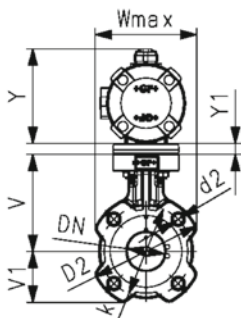
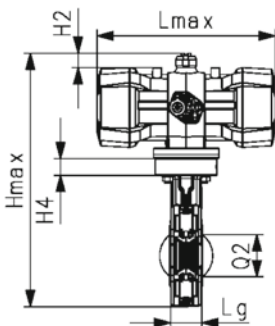
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value ($\Delta p=1$ bar) (L/min)	EPDM Code	Weight (kg)	FKM Code
63	50	2	16	1445	199 576 670	2.922	199 576 680
75	65	2 ½	16	2530	199 576 671	4.905	199 576 681
90	80	3	16	4020	199 576 672	5.075	199 576 682

d	DN	Hmax	Lmax	Wmax	V	V1	Y	Lg	Q2	k	d2	D2	H4	E
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
63	50	362.9	245.5	140	133.3	70.1	111	43	28.3	125	M16	155	23	119.5
75	65	418.6	343.0	161	139.9	80.8	131	46	43.8	145	M16	175	23	141.5
90	80	446.3	343.0	180	145.6	91.3	131	46	63.5	160	M16	190	23	141.5

d	DN	Y1	M2
(mm)	(mm)	(mm)	(mm)
63	50	15	122.75
75	65	15	171.50
90	80	15	171.50





Lug-style end installation butterfly valve type 565L PVDF/PA-GF
Electric, dEA, 100-230V
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

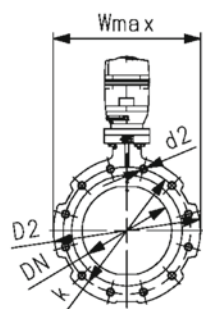
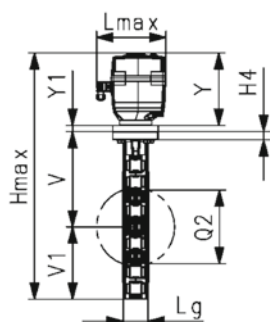
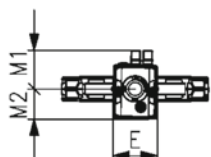
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- Voltage 100-230V, 50-60Hz
- Factory set control range 0-90°
- Heating element, position feedback (Open/Close/ 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
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value (Δp=1 bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 576 700	4.300	199 576 709	4.400
75	65	2 ½	16	2530	199 576 701	4.600	199 576 710	4.700
90	80	3	16	4020	199 576 702	4.700	199 576 711	4.800
110	100	4	16	5850	199 576 703	5.600	199 576 712	5.800
140	125	5	16	11900	199 576 704	6.100	199 576 713	6.400
160	150	6	16	118050	199 576 705	8.700	199 576 714	9.000
225	200	8	10	43667	199 576 706	10.000	199 576 715	10.500
280	250	10	10	62333	199 576 707	14.500	199 576 716	15.200
315	300	12	6	94500	199 576 708	18.200	199 576 717	19.400

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	384.6	190	140	133.3	70.1	166.5	43	28.3	120.7	UNC 5/8	155	23
75	65	410.0	190	161	139.9	80.8	189.5	46	43.8	139.7	UNC 5/8	175	23
90	80	426.2	190	180	145.6	91.3	189.5	46	63.5	152.4	UNC 5/8	190	23
110	100	461.9	190	211	166.4	106.2	189.5	52	83.7	190.5	UNC 5/8	221	23
140	125	489.6	190	239	180.0	120.3	189.5	56	110.4	215.9	UNC 3/4	250	23
160	150	520.7	190	263	189.0	132.4	199.5	56	137.3	241.3	UNC 3/4	277	23
225	200	569.1	190	319	209.5	160.3	199.5	60	191.1	298.5	UNC 3/4	337	23
280	250	677.9	190	403	262.5	199.1	199.5	68	238.9	362.0	UNC 7/8	403	23
315	300	736.1	190	482	284.3	235.5	199.5	78	285.5	431.8	UNC 7/8	479	23

d (mm)	DN (mm)	E (mm)	Y1 (mm)	M1 (mm)	M2 (mm)
63	50	122.3	15	107.5	83
75	65	122.3		107.5	83
90	80	122.3		107.5	83
110	100	122.3		107.5	83
140	125	122.3		107.5	83
160	150	122.3		107.5	83
225	200	122.3		107.5	83
280	250	122.3	17	107.5	83
315	300	122.3	17	107.5	83



Lug-style end installation butterfly valve type 565L PVDF/PA-GF
Electric, dEA, 24V
Flange standard ANSI / ASTM / ASME
Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems

Model:

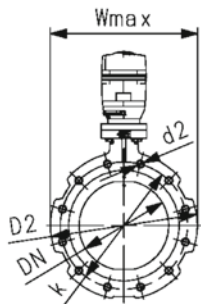
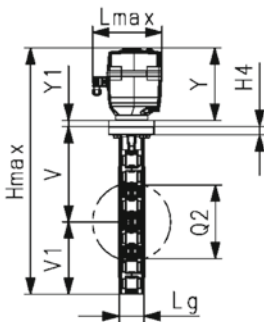
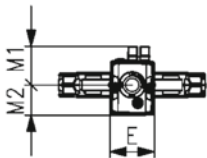
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16
- For easy installation and removal
- 24 AC/DC
- Voltage 100-230V, 50-60Hz
- Factory set control range 0-90°
- Heating element, position feedback (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
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com

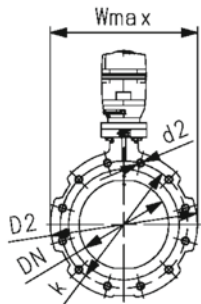
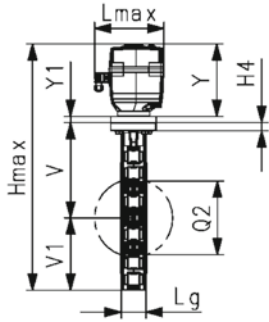
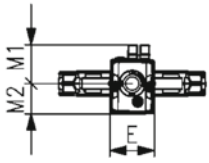


d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-100-value (Δp=1 bar) (L/min)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
63	50	2	16	1445	199 576 718	4.300	199 576 727	4.400
75	65	2 ½	16	2530	199 576 719	4.600	199 576 728	4.700
90	80	3	16	4020	199 576 720	4.700	199 576 729	4.800
110	100	4	16	5850	199 576 721	5.600	199 576 730	5.800
140	125	5	16	11900	199 576 722	6.100	199 576 731	6.400
160	150	6	16	18050	199 576 723	8.700	199 576 732	9.000
225	200	8	10	43667	199 576 724	10.000	199 576 733	10.500
280	250	10	10	62333	199 576 725	14.500	199 576 734	15.200
315	300	12	6	94500	199 576 726	18.200	199 576 735	19.400

d (mm)	DN (mm)	Hmax (mm)	Lmax (mm)	Wmax (mm)	V (mm)	V1 (mm)	Y (mm)	Lg (mm)	Q2 (mm)	k (mm)	d2 (mm)	D2 (mm)	H4 (mm)
63	50	384.6	190	140	133.3	70.1	166.5	43	28.3	120.7	UNC 5/8	155	23
75	65	410.0	190	161	139.9	80.8	189.5	46	43.8	139.7	UNC 5/8	175	23
90	80	426.2	190	180	145.6	91.3	189.5	46	63.5	152.4	UNC 5/8	190	23
110	100	461.9	190	211	166.4	106.2	189.5	52	83.7	190.5	UNC 5/8	221	23
140	125	489.6	190	239	180.0	120.3	189.5	56	110.4	215.9	UNC 3/4	250	23
160	150	520.7	190	263	189.0	132.4	199.5	56	137.3	241.3	UNC 3/4	277	23
225	200	569.1	190	319	209.5	160.3	199.5	60	191.1	298.5	UNC 3/4	337	23
280	250	677.9	190	403	262.5	199.1	199.5	68	238.9	362.0	UNC 7/8	403	23
315	300	736.1	190	482	284.3	235.5	199.5	78	285.5	431.8	UNC 7/8	479	23

d (mm)	DN (mm)	E (mm)	Y1 (mm)	M1 (mm)	M2 (mm)
63	50	122.3	15	107.5	83
75	65	122.3		107.5	83
90	80	122.3		107.5	83
110	100	122.3		107.5	83
140	125	122.3		107.5	83

d	DN	E	Y1	M1	M2
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
160	150	122.3		107.5	83
225	200	122.3		107.5	83
280	250	122.3	17	107.5	83
315	300	122.3	17	107.5	83



Butterfly Valve 565 Wafer-Style

Product Range





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:

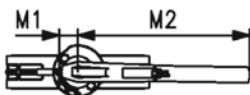
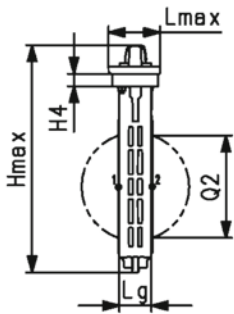
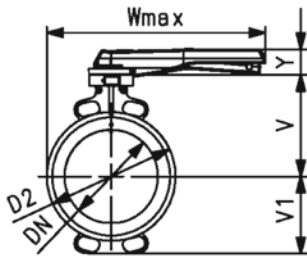
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Lockable ergonomic 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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



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

d (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)
63	100.0	264.0	249.5	96.0	23.0	133.5	63.0	43.0	35.5	204.5	53.0	28.5
75	121.0	271.0	275.5	96.0	23.0	140.0	82.0	46.0	35.5	204.5	53.0	44.0
90	138.0	273.5	288.0	96.0	23.0	146.0	89.0	46.0	35.5	204.5	53.0	63.5
110	158.5	334.0	324.0	96.0	23.0	166.5	104.0	52.0	35.5	254.5	53.0	84.0
140	187.0	348.0	351.0	96.0	23.0	180.0	118.0	56.0	35.5	254.5	53.0	110.5
160	213.0	426.0	372.5	96.0	23.0	189.0	130.5	56.0	35.5	319.5	53.0	137.5
225	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:

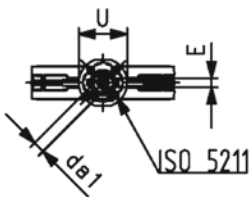
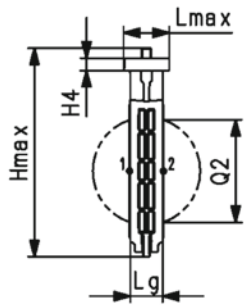
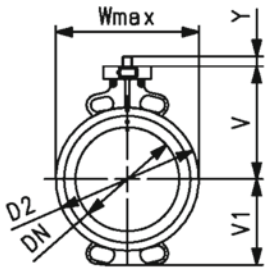
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Suitable for water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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



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

d (mm)	FKM Code	SP	Weight (kg)
63	199 565 120	1	1.0
75	199 565 121	1	1.2
90	199 565 122	1	1.4
110	199 565 123	1	2.2
140	199 565 124	1	2.9
160	199 565 125	1	3.8
225	199 565 126	1	5.2
280	199 565 127	1	9.5
315	199 565 128	1	13.7

d (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)
63	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
75	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
90	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
110	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
140	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
160	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
225	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
280	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
315	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:

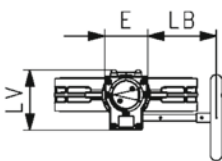
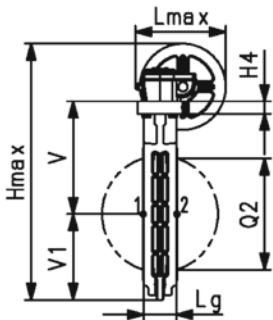
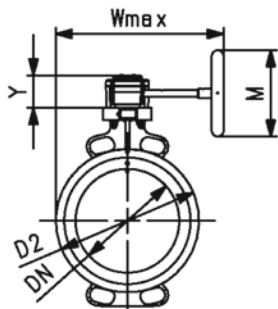
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Suitable for water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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



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

d (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)
63	100.0	238.5	303.0	169.0	23	133.5	63.0	43	80	128.0	112.5	160	61.5
75	121.0	246.0	329.0	169.0	23	140.0	82.0	46	80	128.0	112.5	160	61.5
90	138.0	248.5	341.5	169.0	23	146.0	89.0	46	80	128.0	112.5	160	61.5
110	158.5	258.5	377.5	169.0	23	166.5	104.0	52	80	128.0	112.5	160	61.5
140	187.0	272.0	405.0	169.0	23	180.0	118.0	56	80	128.0	112.5	160	61.5
160	213.0	285.5	426.5	169.0	23	189.0	130.5	56	80	128.0	112.5	160	61.5
225	267.0	312.5	475.5	169.0	23	209.5	159.0	60	80	128.0	112.5	160	61.5
280	325.5	360.5	603.0	212.5	23	262.5	195.5	68	100	135.5	130.0	200	68.5
315	380.0	387.5	659.5	212.5	23	284.5	230.5	78	100	135.5	130.0	200	68.5

d (mm)	Q2 (mm)
63	28.5
75	44.0
90	63.5
110	84.0
140	110.5
160	137.5
225	190.5
280	239.0
315	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:

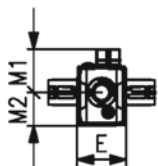
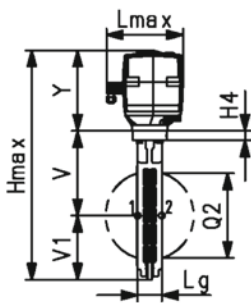
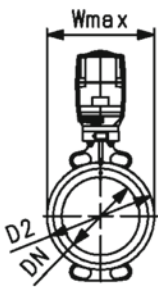
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 100-230V, 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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



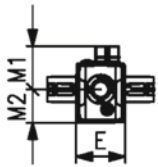
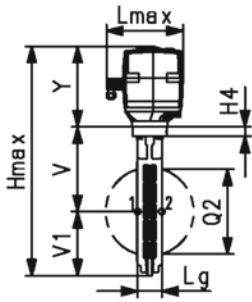
d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-value ($\Delta p=1$ bar) (L/min)	Actuator	EPDM Code	SP	Weight (kg)
63	50	2	10	1445	EA45	199 565 300	1	3.3
75	65	2 ½	10	2530	EA120	199 565 301	1	4.6
90	80	3	10	4020	EA120	199 565 302	1	4.7
110	100	4	10	5850	EA120	199 565 303	1	5.6
140	125	5	10	11900	EA120	199 565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

d (mm)	FKM Code	SP	Weight (kg)
63	199 565 320	1	3.4
75	199 565 321	1	4.7
90	199 565 322	1	4.8
110	199 565 323	1	5.8
140	199 565 324	1	6.4
160	199 565 325	1	9.0
225	199 565 326	1	10.5
280	199 565 327	1	15.2
315	199 565 328	1	19.4

d (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)
63	100.0	122.5	377.5	190.0	23	133.5	63.0	43	122.5	107.5	83	166.5	28.5
75	121.0	132.5	411.5	190.0	23	140.0	82.0	46	122.5	107.5	83	189.5	44.0
90	138.0	137.5	424.0	190.0	23	146.0	89.0	46	122.5	107.5	83	189.5	63.5
110	158.5	158.5	459.5	190.0	23	166.5	104.0	52	122.5	107.5	83	189.5	84.0
140	187.0	187.0	487.5	190.0	23	180.0	118.0	56	122.5	107.5	83	189.5	110.5



d (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)
160	213.0	213.0	518.5	190.0	23	189.0	130.5	56	122.5	107.5	83	199.5	137.5
225	267.0	267.0	568.0	190.0	23	209.5	159.0	60	122.5	107.5	83	199.5	190.5
280	325.5	325.5	674.5	190.0	23	262.5	195.5	68	122.5	107.5	83	216.5	239.0
315	380.0	380.0	731.0	190.0	23	284.5	230.5	78	122.5	107.5	83	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:

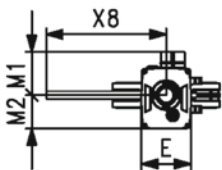
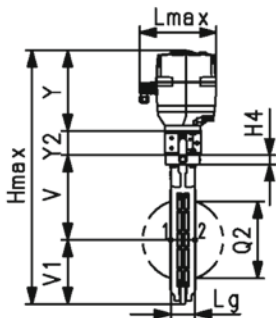
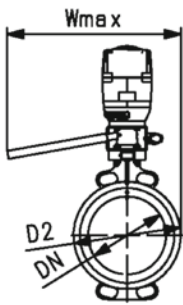
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 100-230V, 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

Note:

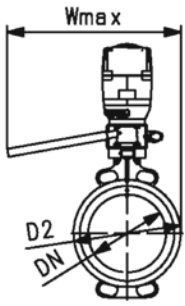
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



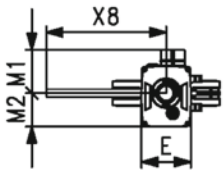
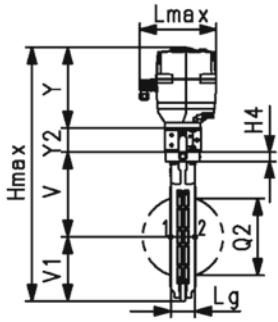
d (mm)	Size (inch)	DN (mm)	PN (bar)	kv-value (Δp=1 bar) (L/min)	Actuator	EPDM Code	SP	Weight (kg)
63	2	50	10	1445	EA120	199 565 340	1	5.5
75	2 ½	65	10	2530	EA120	199 565 341	1	5.8
90	3	80	10	4020	EA120	199 565 342	1	5.9
110	4	100	10	5850	EA120	199 565 343	1	6.6
140	5	125	10	11900	EA120	199 565 344	1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

d (mm)	Size (inch)	FKM Code	SP	Weight (kg)
63	2	199 565 360	1	5.6
75	2 ½	199 565 361	1	5.9
90	3	199 565 362	1	6.0
110	4	199 565 363	1	6.8
140	5	199 565 364	1	7.4
160	6	199 565 365	1	10.0
225	8	199 565 366	1	11.5

d (mm)	Size (inch)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M1 (mm)	M2 (mm)	X8 (mm)
63	2	100.0	385.5	96.0	190	23	133.5	63.0	43	122.5	107.5	83	297.5
75	2 ½	121.0	385.5	96.0	190	23	140.0	82.0	46	122.5	107.5	83	297.5
90	3	138.0	385.5	96.0	190	23	146.0	89.0	46	122.5	107.5	83	297.5
110	4	158.5	385.5	96.0	190	23	166.5	104.0	52	122.5	107.5	83	297.5
140	5	187.0	385.5	189.5	190	23	180.0	118.0	56	122.5	107.5	83	297.5
160	6	213.0	385.5	106.0	190	23	189.0	130.5	56	122.5	107.5	83	297.5
225	8	267.0	385.5	106.0	190	23	209.5	159.0	60	122.5	107.5	83	297.5



d	Size	Y	Y2	Q2
(mm)	(inch)	(mm)	(mm)	(mm)
63	2	189.5	60	28.5
75	2 ½	189.5	60	44.0
90	3	189.5	60	63.5
110	4	189.5	60	84.0
140	5	189.5	60	110.5
160	6	199.5	60	137.5
225	8	199.5	60	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:

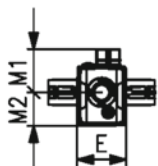
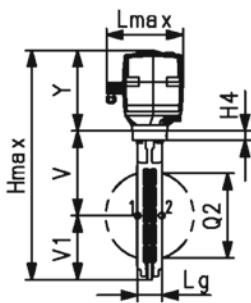
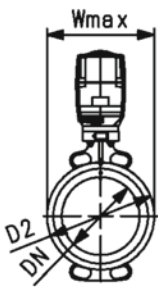
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 24V AC/DC
- 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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



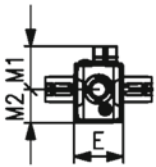
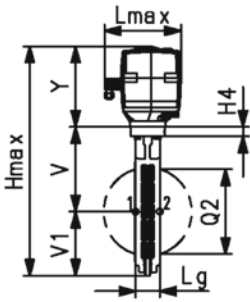
d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-value ($\Delta p=1$ bar) (L/min)	Actuator	EPDM Code	SP	Weight (kg)
63	50	2	10	1445	EA45	199 565 400	1	3.3
75	65	2 ½	10	2530	EA120	199 565 401	1	4.6
90	80	3	10	4020	EA120	199 565 402	1	4.7
110	100	4	10	5850	EA120	199 565 403	1	5.6
140	125	5	10	11900	EA120	199 565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

d (mm)	FKM Code	SP	Weight (kg)
63	199 565 420	1	3.4
75	199 565 421	1	4.7
90	199 565 422	1	4.8
110	199 565 423	1	5.8
140	199 565 424	1	6.4
160	199 565 425	1	9.0
225	199 565 426	1	10.5
280	199 565 427	1	15.2
315	199 565 428	1	19.4

d (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)
63	100.0	122.5	377.5	190	23	133.5	63.0	43	122.5	107.5	83	166.5	28.5
75	121.0	132.5	411.5	190	23	140.0	82.0	46	122.5	107.5	83	189.5	44.0
90	138.0	137.5	424.0	190	23	146.0	89.0	46	122.5	107.5	83	189.5	63.5
110	158.5	158.5	459.5	190	23	166.5	104.0	52	122.5	107.5	83	189.5	84.0
140	187.0	187.0	487.5	190	23	180.0	118.0	56	122.5	107.5	83	189.5	110.5



d	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)
160	213.0	213.0	518.5	190	23	189.0	130.5	56	122.5	107.5	83	199.5	137.5
225	267.0	267.0	568.0	190	23	209.5	159.0	60	122.5	107.5	83	199.5	190.5
280	325.5	325.5	674.5	190	23	262.5	195.5	68	122.5	107.5	83	216.5	239.0
315	380.0	380.0	731.0	190	23	284.5	230.5	78	122.5	107.5	83	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:

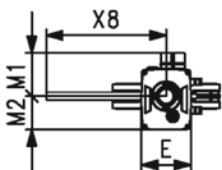
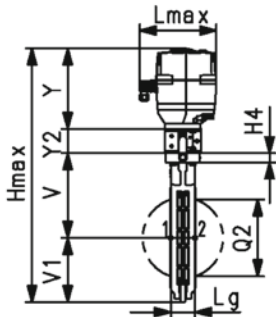
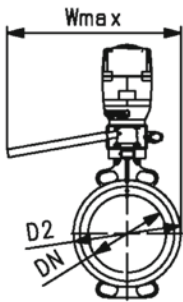
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 24V AC/DC
- 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

Note:

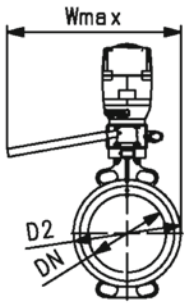
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



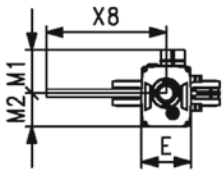
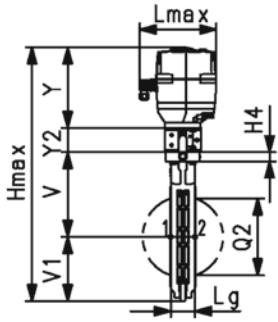
d	Size	DN	PN	kv-value	Actuator	EPDM	SP	Weight
(mm)	(inch)	(mm)	(bar)	($\Delta p=1$ bar)		Code		(kg)
				(L/min)				
63	2	50	10	1445	EA120	199 565 440	1	5.5
75	2 ½	65	10	2530	EA120	199 565 441	1	5.8
90	3	80	10	4020	EA120	199 565 442	1	5.9
110	4	100	10	5850	EA120	199 565 443	1	6.6
140	5	125	10	11900	EA120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

d	Size	FKM	SP	Weight
(mm)	(inch)	Code		(kg)
63	2	199 565 460	1	5.6
75	2 ½	199 565 461	1	5.9
90	3	199 565 462	1	6.0
110	4	199 565 463	1	6.8
140	5	199 565 464	1	7.4
160	6	199 565 465	1	10.0
225	8	199 565 466	1	11.5

d	Size	D2	Wmax	Hmax	Lmax	H4	V	V1	Lg	E	M1	M2	X8
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
63	2	100.0	385.5	96.0	190	23	133.5	63.0	43	122.5	107.5	83	297.5
75	2 ½	121.0	385.5	96.0	190	23	140.0	82.0	46	122.5	107.5	83	297.5
90	3	138.0	385.5	96.0	190	23	146.0	89.0	46	122.5	107.5	83	297.5
110	4	158.5	385.5	96.0	190	23	166.5	104.0	52	122.5	107.5	83	297.5
140	5	187.0	385.5	189.5	190	23	180.0	118.0	56	122.5	107.5	83	297.5
160	6	213.0	385.5	106.0	190	23	189.0	130.5	56	122.5	107.5	83	297.5
225	8	267.0	385.5	106.0	190	23	209.5	159.0	60	122.5	107.5	83	297.5



d	Size	Y	Y2	Q2
(mm)	(inch)	(mm)	(mm)	(mm)
63	2	189.5	60	28.5
75	2 ½	189.5	60	44.0
90	3	189.5	60	63.5
110	4	189.5	60	84.0
140	5	189.5	60	110.5
160	6	199.5	60	137.5
225	8	199.5	60	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:

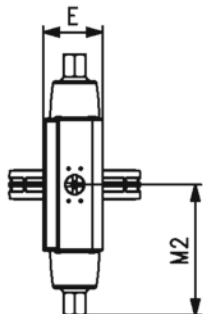
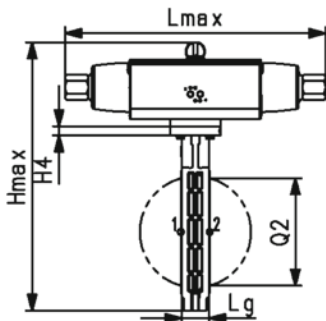
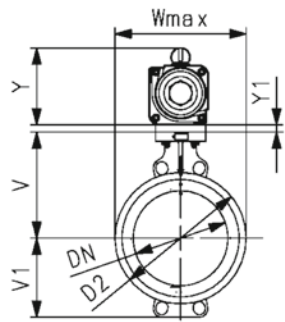
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



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

d (mm)	FKM Code	SP	Weight (kg)
63	199 565 520	1	3.3
75	199 565 521	1	3.6
90	199 565 522	1	4.4
110	199 565 523	1	6.1
140	199 565 524	1	8.2
160	199 565 525	1	11.0
225	199 565 526	1	16.9
280	199 565 527	1	26.2
315	199 565 528	1	33.3

d (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)
63	100.0	118.5	309.5	274.5	23	133.5	63.0	43	70.5	137.2	98.5	15	28.5
75	121.0	132.5	335.5	275.5	23	140.0	82.0	46	70.5	137.2	98.5	15	44.0
90	138.0	138.0	361.0	325.5	23	146.0	89.0	46	83.5	162.6	111.5	15	63.5
110	158.5	158.5	385.5	359.5	23	166.5	104.0	52	87.0	179.8	115.0	0	84.0
140	187.0	187.0	447.5	418.0	23	180.0	118.0	56	107.5	209.0	149.5	0	110.5
160	213.0	213.0	472.5	434.0	23	189.0	130.5	56	111.5	217.0	153.5	0	137.5
225	267.0	267.0	545.5	547.5	23	209.5	159.0	60	135.0	273.6	177.0	0	190.5
280	325.5	325.5	666.0	681.0	23	262.5	195.5	68	148.0	323.0	190.0	18	239.0
315	380.0	380.0	743.0	681.0	23	284.5	230.5	78	168.0	340.5	210.5	18	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:

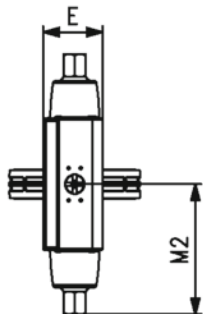
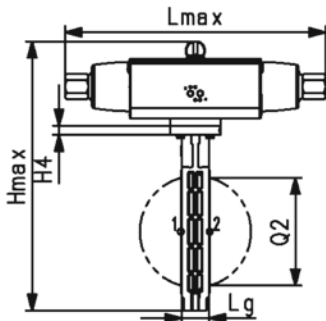
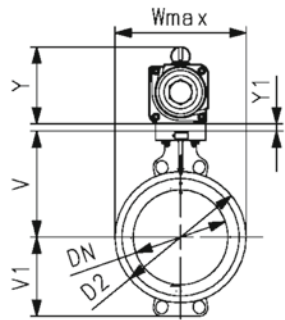
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 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

Note:

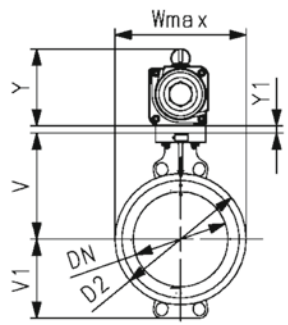
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



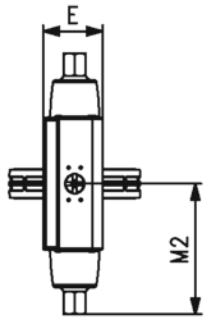
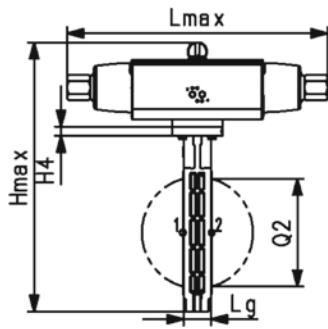
d	Size	DN	PN	kv-value	Actuator	EPDM	SP	Weight
(mm)	(inch)	(mm)	(bar)	($\Delta p=1$ bar)		Code		(kg)
				(L/min)				
63	2	50	10	1445	PA30	199 565 540	1	3.2
75	2 ½	65	10	2530	PA30	199 565 541	1	3.5
90	3	80	10	4020	PA35	199 565 542	1	4.3
110	4	100	10	5850	PA40	199 565 543	1	5.9
140	5	125	10	11900	PA45	199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

d	Size	FKM	SP	Weight
(mm)	(inch)	Code		(kg)
63	2	199 565 560	1	3.3
75	2 ½	199 565 561	1	3.6
90	3	199 565 562	1	4.4
110	4	199 565 563	1	6.1
140	5	199 565 564	1	8.2
160	6	199 565 565	1	11.0
225	8	199 565 566	1	15.3
280	10	199 565 567	1	29.1
315	12	199 565 568	1	33.3

d	Size	D2	Wmax	Hmax	Lmax	H4	V	V1	Lg	E	M2	Y	Y1
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
63	2	100.0	118.5	309.5	274.5	23	133.5	63.0	43	70.5	137.5	98.5	15
75	2 ½	121.0	132.5	335.5	275.5	23	140.0	82.0	46	70.5	137.5	98.5	15
90	3	138.0	138.0	361.0	325.5	23	146.0	89.0	46	83.5	163.0	111.5	15
110	4	158.5	158.5	385.5	359.5	23	166.5	104.0	52	87.0	180.0	115.0	0
140	5	187.0	187.0	447.5	418.0	23	180.0	118.0	56	107.5	209.0	149.5	0
160	6	213.0	213.0	472.5	434.0	23	189.0	130.5	56	111.5	217.0	153.5	0
225	8	267.0	267.0	545.5	547.5	23	209.5	159.0	60	135.0	274.0	177.0	0
280	10	325.5	325.5	666.0	681.0	23	262.5	195.5	68	148.0	323.0	190.0	18
315	12	380.0	380.0	743.0	681.0	23	284.5	230.5	78	168.0	340.5	210.5	18



d	Size	Q2
(mm)	(inch)	(mm)
63	2	28.5
75	2 ½	44.0
90	3	63.5
110	4	84.0
140	5	110.5
160	6	137.5
225	8	190.5
280	10	239.0
315	12	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:

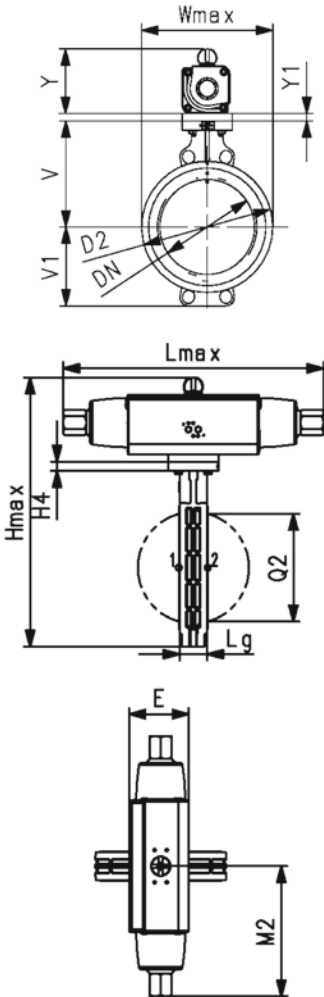
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 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

Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



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

d (mm)	FKM Code	SP	Weight (kg)
63	199 565 620	1	2.7
75	199 565 621	1	3.0
90	199 565 622	1	3.5
110	199 565 623	1	4.7
140	199 565 624	1	5.4
160	199 565 625	1	8.0
225	199 565 626	1	11.2
280	199 565 627	1	17.6
315	199 565 628	1	23.6

d (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)
63	100.0	118.5	303.5	196.5	23	133.5	63.0	43	64.5	98.5	92.5	15	28.5
75	121.0	132.5	329.5	196.5	23	140.0	82.0	46	64.5	98.5	92.5	15	44.0
90	138.0	138.0	348.0	206.0	23	146.0	89.0	46	70.5	103.0	98.5	15	63.5
110	158.5	158.5	381.5	242.0	23	166.5	104.0	52	83.5	121.0	111.5	0	84.0
140	187.0	187.0	409.0	242.0	23	180.0	118.0	56	83.5	121.0	111.5	0	110.5
160	213.0	213.0	468.5	290.5	23	189.0	130.5	56	107.5	145.5	149.5	0	137.5
225	267.0	267.0	522.0	314.0	23	209.5	159.0	60	111.5	157.0	153.5	0	190.5
280	325.5	325.5	636.0	340.0	23	262.5	195.5	68	118.0	170.0	160.0	18	239.0
315	380.0	380.0	709.5	382.5	23	284.5	230.5	78	135.0	191.5	177.0	18	285.5



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:

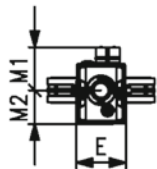
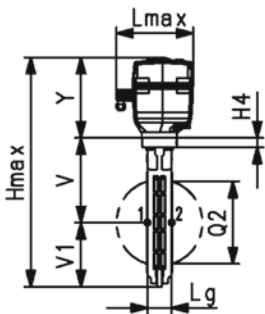
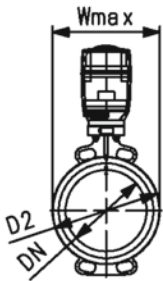
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 100-230V, 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

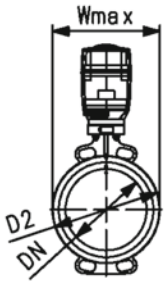
Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com

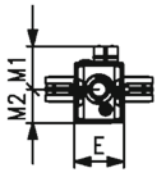
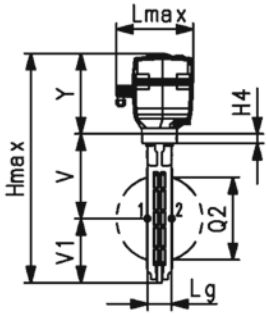


d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-value (Δp=1 bar) (L/min)	Actuator	EPDM Code	SP	Weight (kg)
63	50	2	10	1445	dEA45	199 565 700	1	4.3
75	65	2 ½	10	2530	dEA120	199 565 701	1	4.6
90	80	3	10	4020	dEA120	199 565 702	1	4.7
110	100	4	10	5850	dEA120	199 565 703	1	5.6
140	125	5	10	11900	dEA120	199 565 704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

d (mm)	FKM Code	SP	Weight (kg)
63	199 565 709	1	4.4
75	199 565 710	1	4.7
90	199 565 711	1	4.8
110	199 565 712	1	5.8
140	199 565 713	1	6.4
160	199 565 714	1	9.0
225	199 565 715	1	10.5
280	199 565 716	1	15.2
315	199 565 717	1	19.4



d	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)
63	100.0	122.5	377.5	190	23	133.5	63.0	43	122.5	107.5	83	166.5	28.5
75	121.0	132.5	411.5	190	23	140.0	82.0	46	122.5	107.5	83	189.5	44.0
90	138.0	137.5	424.0	190	23	146.0	89.0	46	122.5	107.5	83	189.5	63.5
110	158.5	158.5	459.5	190	23	166.5	104.0	52	122.5	107.5	83	189.5	84.0
140	187.0	187.0	487.5	190	23	180.0	118.0	56	122.5	107.5	83	189.5	110.5
160	213.0	213.0	518.5	190	23	189.0	130.5	56	122.5	107.5	83	199.5	137.5
225	267.0	267.0	568.0	190	23	209.5	159.0	60	122.5	107.5	83	199.5	190.5
280	325.5	325.5	674.5	190	23	262.5	195.5	68	122.5	107.5	83	216.5	239.0
315	380.0	380.0	731.0	190	23	284.5	230.5	78	122.5	107.5	83	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:

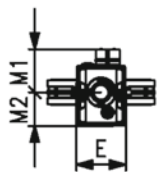
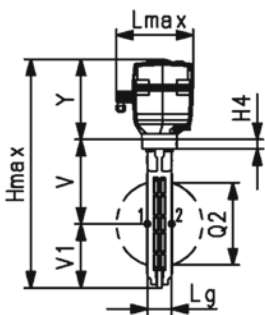
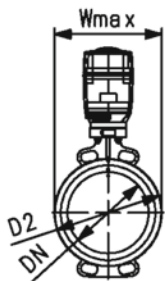
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Voltage 24V AC/DC
- 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

Note:

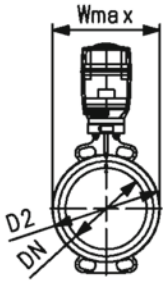
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com



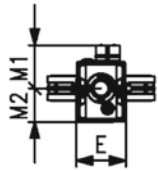
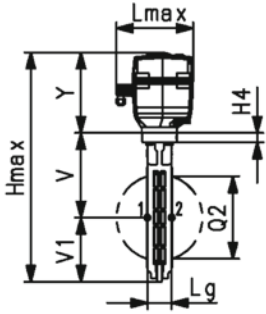
d	Size	DN	PN	kv-value	Actuator	EPDM	SP	Weight
(mm)	(inch)	(mm)	(bar)	($\Delta p=1$ bar)		Code		(kg)
				(L/min)				
63	2	50	10	1445	dEA45	199 565 718	1	4.3
75	2 ½	65	10	2530	dEA120	199 565 719	1	4.6
90	3	80	10	4020	dEA120	199 565 720	1	4.7
110	4	100	10	5850	dEA120	199 565 721	1	5.6
140	5	125	10	11900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

d	FKM	SP	Weight
(mm)	Code		(kg)
63	199 565 727	1	4.4
75	199 565 728	1	4.7
90	199 565 729	1	4.8
110	199 565 730	1	5.8
140	199 565 731	1	6.4
160	199 565 732	1	9.0
225	199 565 733	1	10.5
280	199 565 734	1	15.2
315	199 565 735	1	19.4

d	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)
63	100.0	122.5	377.5	190	23	133.5	63.0	43	122.5	107.5	83	166.5	28.5
75	121.0	132.5	411.5	190	23	140.0	82.0	46	122.5	107.5	83	189.5	44.0
90	138.0	137.5	424.0	190	23	146.0	89.0	46	122.5	107.5	83	189.5	63.5



d	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)
110	158.5	158.5	459.5	190	23	166.5	104.0	52	122.5	107.5	83	189.5	84.0
140	187.0	187.0	487.5	190	23	180.0	118.0	56	122.5	107.5	83	189.5	110.5
160	213.0	213.0	518.5	190	23	189.0	130.5	56	122.5	107.5	83	199.5	137.5
225	267.0	267.0	568.0	190	23	209.5	159.0	60	122.5	107.5	83	199.5	190.5
280	325.5	325.5	674.5	190	23	262.5	195.5	68	122.5	107.5	83	216.5	239.0
315	380.0	380.0	731.0	190	23	284.5	230.5	78	122.5	107.5	83	216.5	285.5





Wafer-style intermediate installation butterfly valve type 565 PVDF/PA-GF
With plastic 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:

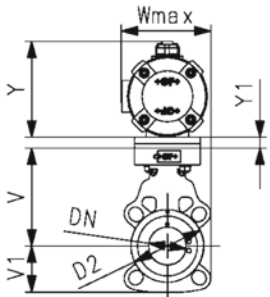
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 1-2s
- 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)
- 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

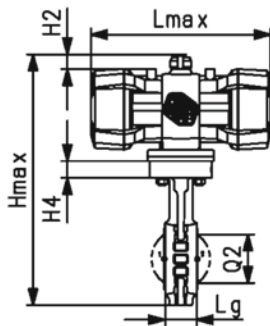
Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com

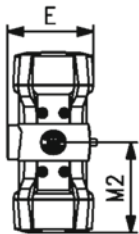


d (mm)	Size (inch)	DN (mm)	PN (bar)	kv-value ($\Delta p=1$ bar) (L/min)	Actuator	EPDM Code	SP Weight (kg)
63	2	50	PN10	1445	PPA40	199 565 650	1 2.922
75	2 ½	65	PN10	2530	PPA80	199 565 651	1 4.905
90	3	80	PN10	4020	PPA80	199 565 652	1 5.075

d (mm)	FKM Code	SP Weight (kg)
63	199 565 660	1 2.922
75	199 565 661	1 4.905
90	199 565 662	1 5.075



d (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H2 (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M2 (mm)	Y (mm)	Y1 (mm)	Q2 (mm)
63	100	121.2	341.2	245.5	20	23	133.5	63	43	119.5	122.8	111	15	28.5
75	121	140.0	372.2	343.0	20	23	140.0	82	46	141.5	171.5	131	0	44.0
90	138	142.4	384.9	343.0	20	23	146.0	89	46	141.5	171.5	131	0	63.5





Wafer-style intermediate installation butterfly valve type 565 PVDF/PA-GF
With plastic 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:

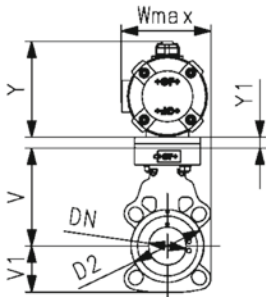
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Control time 0-90° 1-2s
- 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)
- 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

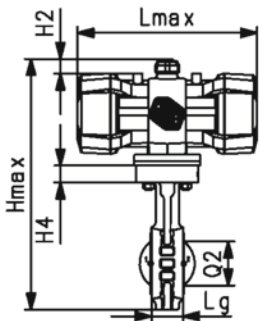
Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com

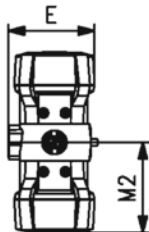


d (mm)	Size (inch)	DN (mm)	PN (bar)	kv-value ($\Delta p=1$ bar) (L/min)	Actuator	EPDM Code	SP Weight (kg)
63	2	50	PN10	1445	PPA40	199 565 670	1 2.922
75	2 ½	65	PN10	2530	PPA80	199 565 671	1 4.905
90	3	80	PN10	4020	PPA80	199 565 672	1 5.075

d (mm)	FKM Code	SP Weight (kg)
63	199 565 680	1 2.922
75	199 565 681	1 4.905
90	199 565 682	1 5.075



d (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H2 (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M2 (mm)	Y (mm)	Y1 (mm)	Q2 (mm)
63	100	121.2	341.2	245.5	20	23	133.5	63	43	119.5	122.8	111	15	28.5
75	121	140.0	372.2	343.0	20	23	140.0	82	46	141.5	171.5	131	0	44.0
90	138	142.4	384.9	343.0	20	23	146.0	89	46	141.5	171.5	131	0	63.5





Wafer-style intermediate installation butterfly valve type 565 PVDF/PA-GF
With plastic 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
- 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)
- 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

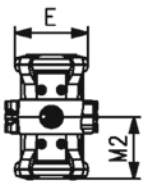
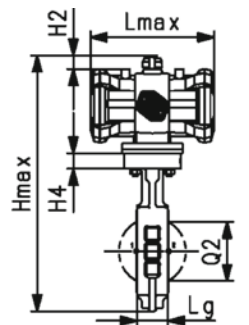
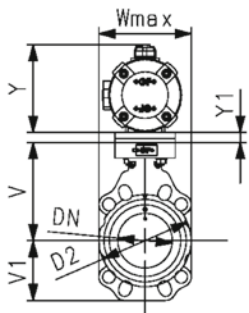
Note:

For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on www.gfps.com

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

d (mm)	FKM Code	SP	Weight (kg)
63	199 565 690	1	2.396
75	199 565 691	1	2.664
90	199 565 692	1	2.854


d (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H2 (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	M2 (mm)	Y (mm)	Y1 (mm)	Q2 (mm)
63	100	121.2	341.2	183.5	20	23	133.5	63	43.0	119.5	91.8	111	15	28.5
75	121	132.5	367.1	183.5	20	23	140.0	82	46.0	119.5	91.8	111	15	44.0
90	138	138.0	379.8	183.5	20	23	146.0	89	46.0	119.5	91.8	111	15	63.5



Accessories

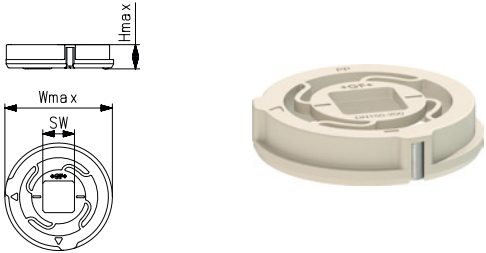
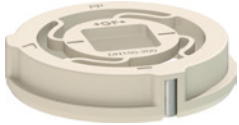
Double Sensor for electrical position feedback

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	Output circuit	Open Signal Color	Closed Signal Color	Product picture
198 546 001	PNP	LED red	LED green	
198 546 002	PNP	LED green	LED red	
198 546 005	NPN	LED red	LED green	
198 546 006	NPN	LED green	LED red	
198 546 003	NAMUR	LED red	LED green	
198 546 004	NAMUR	LED green	LED red	

i Suitable connection cable code 198546150 available as an accessory.

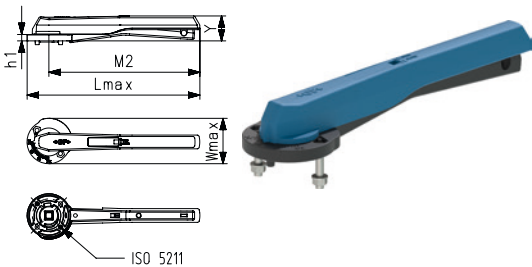
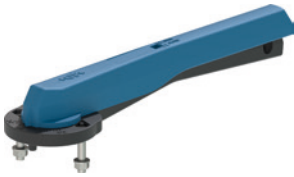
Switching ring for Double Sensor

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

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 EA45-250

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 PA30-70

The PA30 - PA70 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	

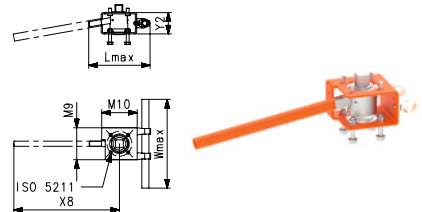

Single-acting FO

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	240 Nm	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		

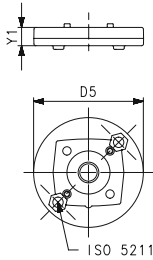
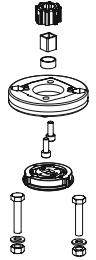
Intermediate elements for Electric Actuators EA45-250, dEA45-250

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		

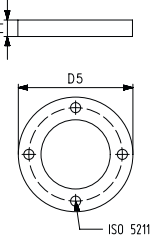
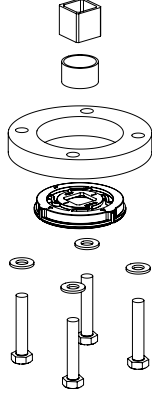
Intermediate elements for Pneumatic Actuators PPA, function FC/F0

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				

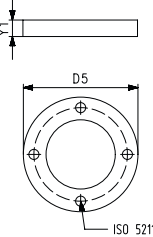
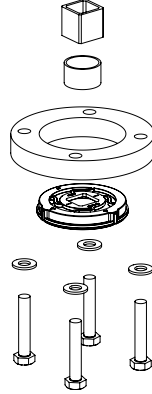
Intermediate elements for Pneumatic Actuators PPA, function DA

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 PA30-70, function FC/F0

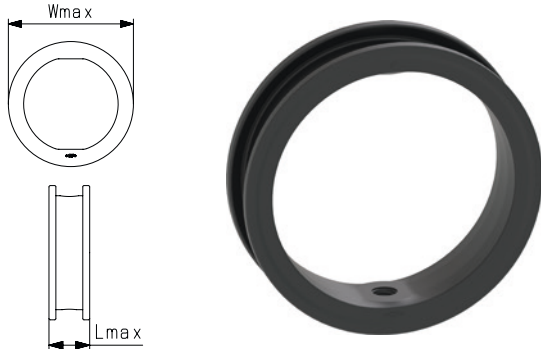

DN (mm)	Code	Type	Acc. to ISO 5211	D5 (mm)	Y1 (mm)	Dimensions	Product picture
50	199 565 921	PA30	F05/F07	90	15		
65	199 565 921	PA30	F05/F07	90	15		
80	199 565 922	PA35	F05/F07	90	15		
100	199 565 923	PA40	F07				
125	199 565 924	PA45	F07				
150	199 565 925	PA50	F07				
200	199 565 929	PA60	F07/F10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

Intermediate elements for Pneumatic Actuators PA30-70, 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		



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