

# FUSIONTECH AUSTRALIA

BUTTERFLY  
VALVES







Butterfly Valves are used in a wide range of Industries including HVAC, Gas, Petrochemical, Pulp & Paper, Water & Wastewater Treatment, Brewing, Food processing, mining, Textile and General Industry. They are compact and give bubble tight shut off as well as having good regulating capabilities.

### **Wafer Butterfly Style**

The body design is such that it can be used with most international flanges including AS2129, BS10, ANSI, DIN & JIS Standards in sizes 50mm to 300mm. The wafer style is designed for inline service and relies on a flange either side of the valve to secure in the pipeline.



### **Lugged Butterfly Style**

Like the wafer style, the lugged body is compact but has a series of lugs cast into the body which are tapped with a metric thread for the fixing of a flange on one side at a time. The benefit of this being the valve can be mounted at the end of a pipeline without the need for a flange on the downstream (discharge) side of the valve.





## Gear-Operated Butterfly Style

This type of valve requires manual operation. Gear-operated valves regulate the flow of liquid or gas. This involves the operation of a wheel moving a disc which holds or releases the liquid or gas through a system. Hand-operated, making it simple to control the flow whenever you want.

Available in Wafer or Lugged butterfly valve



## Georg Fischer Butterfly Valve 565

This new generation will save even more thanks to its lower static weight, requiring less energy for both operation and transport. Installing the Butterfly Valve 565 is quick and easy, but thanks to its high durability, it will be almost maintenance-free during its long service life.



### Corrosion-resistant

Plastics do not corrode. The new Butterfly Valve 565 is made out of high-quality plastics that protect it from corrosion and abrasion. It therefore guarantees a longer lifetime and reduced maintenance and repair cost.

### Direct Replacement

The Butterfly Valve 565 comes in the same installation length as metal solutions (DN50 – DN300). The exchange does not require any additional work on the pipes or new designs. This reduces the effort of both planning and installation, also thanks to a lighter weight.

### 60% lighter

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

### High p/T performance

High-performance thermoplastics protect the Butterfly Valve 565 even under harsh conditions such as water hammers or extreme temperatures. The results are a reduction of both maintenance costs and production stops.





## Wafer Butterfly Style

Code	Description
BFVN050	50mm B/Fly Valve Wafer NBR Lever/Op
BFVN065	65mm B/Fly Valve Wafer NBR Lever/Op
BFVN080	80mm B/Fly Valve Wafer NBR Lever/Op
BFVN100	100mm B/Fly Valve Wafer NBR Lever/Op
BFVN125	125mm B/Fly Valve Wafer NBR Lever/Op
BFVN150	150mm B/Fly Valve Wafer NBR Lever/Op
BFVN200	200mm B/Fly Valve Wafer NBR Lever/Op
BFVN250	250mm B/Fly Valve Wafer NBR Lever/Op
BFVN300	300mm B/Fly Valve Wafer NBR Lever/Op

Code	Description
BFVE050	50mm B/Fly Valve Wafer EPDM Lever/Op
BFVE065	65mm B/Fly Valve Wafer EPDM Lever/Op
BFVE080	80mm B/Fly Valve Wafer EPDM Lever/Op
BFVE100	100mm B/Fly Valve Wafer EPDM Lever/Op
BFVE125	125mm B/Fly Valve Wafer EPDM Lever/Op
BFVE150	150mm B/Fly Valve Wafer EPDM Lever/Op
BFVE200	200mm B/Fly Valve Wafer EPDM Lever/Op
BFVE250	250mm B/Fly Valve Wafer EPDM Lever/Op
BFVE300	300mm B/Fly Valve Wafer EPDM Lever/Op

*\*\*Larger sizes available on request*





## Lugged Butterfly Style

Code	Description
BFVLN050	50mm B/Fly Valve Lug T/E NBR Lever/Op
BFVLN065	65mm B/Fly Valve Lug T/E NBR Lever/Op
BFVLN080	80mm B/Fly Valve Lug T/E NBR Lever/Op
BFVLN100	100mm B/Fly Valve Lug T/E NBR Lever/Op
BFVLN125	125mm B/Fly Valve Lug T/E NBR Lever/Op
BFVLN150	150mm B/Fly Valve Lug T/E NBR Lever/Op
BFVLN200	200mm B/Fly Valve Lug T/E NBR Lever/Op
BFVLN250	250mm B/Fly Valve Lug T/E NBR Lever/Op
BFVLN300	300mm B/Fly Valve Lug T/E NBR Lever/Op

BFVLN050A	50mm B/Fly Valve Lug 150# NBR Lever/Op ANSI
BFVLN080A	80mm B/Fly Valve Lug 150# NBR Lever/Op ANSI
BFVLN100A	100mm B/Fly Valve Lug 150# NBR Lever/Op ANSI
BFVLN150A	150mm B/Fly Valve Lug 150# NBR Lever/Op ANSI
BFVLN200A	200mm B/Fly Valve Lug 150# NBR Lever/Op ANSI
BFVLN250A	250mm B/Fly Valve Lug 150# NBR Lever/Op ANSI
BFVLN300A	300mm B/Fly Valve Lug 150# NBR Lever/Op ANSI

Code	Description
BFVLE050	50mm B/Fly Valve Lug T/E EPDM Lever/Op
BFVLE065	65mm B/Fly Valve Lug T/E EPDM Lever/Op
BFVLE080	80mm B/Fly Valve Lug T/E EPDM Lever/Op
BFVLE100	100mm B/Fly Valve Lug T/E EPDM Lever/Op
BFVLE125	125mm B/Fly Valve Lug T/E EPDM Lever/Op
BFVLE150	150mm B/Fly Valve Lug T/E EPDM Lever/Op
BFVLE200	200mm B/Fly Valve Lug T/E EPDM Lever/Op
BFVLE250	250mm B/Fly Valve Lug T/E EPDM Lever/Op
BFVLE300	300mm B/Fly Valve Lug T/E EPDM Lever/Op

*\*\*Larger sizes available on request*



## Gear Boxes Suit Butterfly Valves



Code	Description
BFVGB080	Gearbox suit B/Fly valve 50-80mm
BFVGB100	Gearbox suit B/Fly valve 100mm
BFVGB150	Gearbox suit B/Fly valve 125-150mm
BFVGB200	Gearbox suit B/Fly valve 200mm
BFVGB250	Gearbox suit B/Fly valve 250mm
BFVGB300	Gearbox suit B/Fly valve 300mm

*\*\*Larger sizes available on request*







## Georg Fischer Butterfly Valve 565

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

### Model:

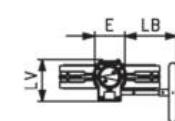
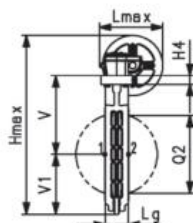
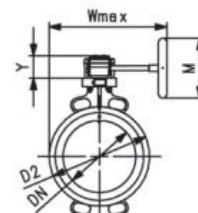
- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Lockable ergonomic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

### Option:

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

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

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



Wafer-style, intermediate installation butterfly valve type 565 manual PVDF/PA-GF  
With gear box  
Wafer style metric/ANSI/BS/JIS  
Suitable for ABS, PVC-U, PVC-C, ecoFIT 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 hand lever), pneumatic or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback

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

DN (mm)	D2 (mm)	Wmax (mm)	Hmax (mm)	Lmax (mm)	H4 (mm)	V (mm)	V1 (mm)	Lg (mm)	E (mm)	LB (mm)	LV (mm)	M (mm)	Y (mm)	DN (mm)	Q2 (mm)
50	100.0	238.5	303.0	169.0	23.0	133.5	63.0	43.0	80.0	128.0	112.5	160.0	61.5	50	28.5
65	121.0	246.0	329.0	169.0	23.0	140.0	82.0	46.0	80.0	128.0	112.5	160.0	61.5	65	44.0
80	138.0	248.5	341.5	169.0	23.0	146.0	89.0	46.0	80.0	128.0	112.5	160.0	61.5	80	63.5
100	158.5	258.5	377.5	169.0	23.0	166.5	104.0	52.0	80.0	128.0	112.5	160.0	61.5	100	84.0
125	187.0	272.0	405.0	169.0	23.0	180.0	118.0	56.0	80.0	128.0	112.5	160.0	61.5	125	110.5
150	213.0	285.5	426.5	169.0	23.0	189.0	130.5	56.0	80.0	128.0	112.5	160.0	61.5	150	137.5
200	267.0	312.5	475.5	169.0	23.0	209.5	159.0	60.0	80.0	128.0	112.5	160.0	61.5	200	190.5
250	325.5	360.5	603.0	212.5	23.0	262.5	195.5	68.0	100.0	135.5	130.0	200.0	68.5	250	239.0
300	380.0	387.5	659.5	212.5	23.0	284.5	230.5	78.0	100.0	135.5	130.0	200.0	68.5	300	285.5