

## Manual Butterfly Valve Type 565

The wafer-style butterfly valve with metric sizes DN50-300 shall be GF Piping Systems Type 565. The Type 565 has a PVDF/PA-GF disc and PA-GF body. All valves are manufactured by GF Piping Systems in accordance with EN ISO 16136 and the mounting flange EN ISO 5211. Seals shall be available in both EPDM and FKM. The ergonomic lever handle shall be lockable. The option of an integrated electric position feedback shall be available. Optional the valves can be actuated by gear box with hand wheel. The electric position indicator shall be integrated into the mounting flange. Butterfly valves shall have low actuation torque to enable easy operation.

The butterfly valve type 565 is designed for a nominal pressure rate of 16 bar (DN50-DN150) and 10 bar (DN200-DN250) and 6 bar (DN300).

The installation length is according following standards:

- EN558 row 20, ISO 5752 row 20, API 609 table 2

The valve is according the following 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

Multiple water treatment and marine approvals are available on request.

Following accessories are available for the Type 565:

- Electrical position feedback shall be inductive (PNP) with visual LED feedback in order to allow long life- and operating time. Its body is made of plastic (PBTGF20) together with IP 67 rating to ensure functioning under all conditions.

### Electric Butterfly Valve Type 565

Electric actuators shall be GF Piping Systems Types EA45, EA120 or EA250 dependent on valve size up to DN300.

They shall be manufactured by GF Piping Systems in accordance with EN 61010-1, as per the above specifications. Actuator housing shall be made of PPGF (polypropylene glass fibre reinforced), flame retardant and feature external stainless steel screws. All electric actuators shall have an integrated emergency manual override and integrated optical position indication. All electric actuator types shall have the following accessories available:

- Failsafe return unit  
Battery incorporated into the housing for moving to a safe position in case of power outage (open or closed).
- Positioner

For continuous valve control with 4-20mA or 0-10V and 4-20mA feedback:

- Monitoring board
- Cycle time extension
- Cycle time monitoring
- Cycle counter
- Motor current monitoring
- Fieldbus connection
- Profibus DP auxiliary card
- AS interface module

Furthermore GF Piping Systems offers the smart Electric Actuator Types dEA45, dEA120 or dEA250. This smart Actuators have following features compared to the above mentioned options:

- 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

## **Pneumatic Butterfly Valve Type 565**

Pneumatic actuators shall be GF Piping Systems Types PA 35 (metric sizes DN50-65), PA40 (metric size DN80), PA45 (metric sizes DN100-125), PA55 (metric sizes DN150-200), PA65 (metric size DN250 FC) PA70 (metric size DN300 FC).

They shall be supplied by GF Piping Systems. Pneumatic actuators shall be available as fail safe close, fail safe open and double acting and have an integrated optical position indication.

Actuator housing shall be made of hardened anodized aluminium. Actuators shall contain integrated Namur interfaces for the easy mounting of positioners, limit switches and accessories.

All pneumatically actuated butterfly valves shall have the following accessories available:

- Solenoid pilot valve remote or direct mounted in voltages 24VDC/AC, 110VAC, 230VAC
- Positioner Type DSR 500-3
- Feedback with following limit switches AgNi, Au, NPN, PNP, NAMUR
- Stroke limiter
- Emergency manual override
- AS Interface control module with incorporated position feedback and a solenoid pilot valve