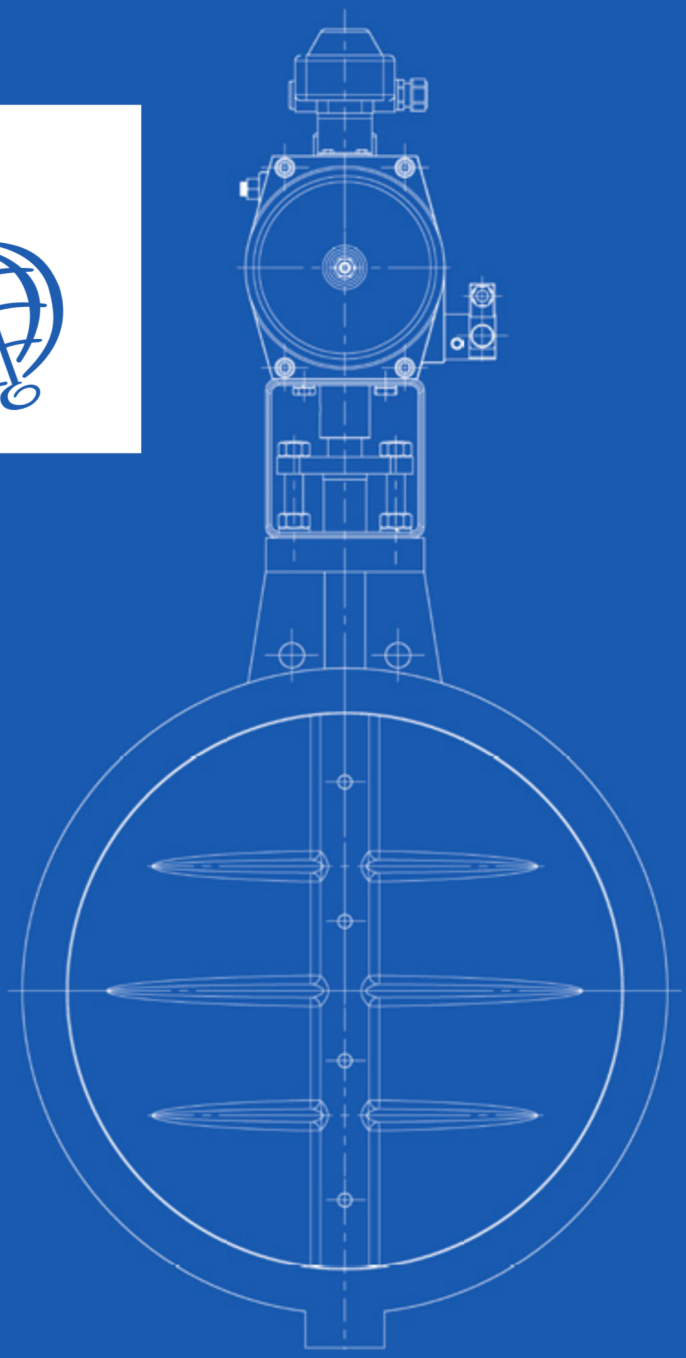
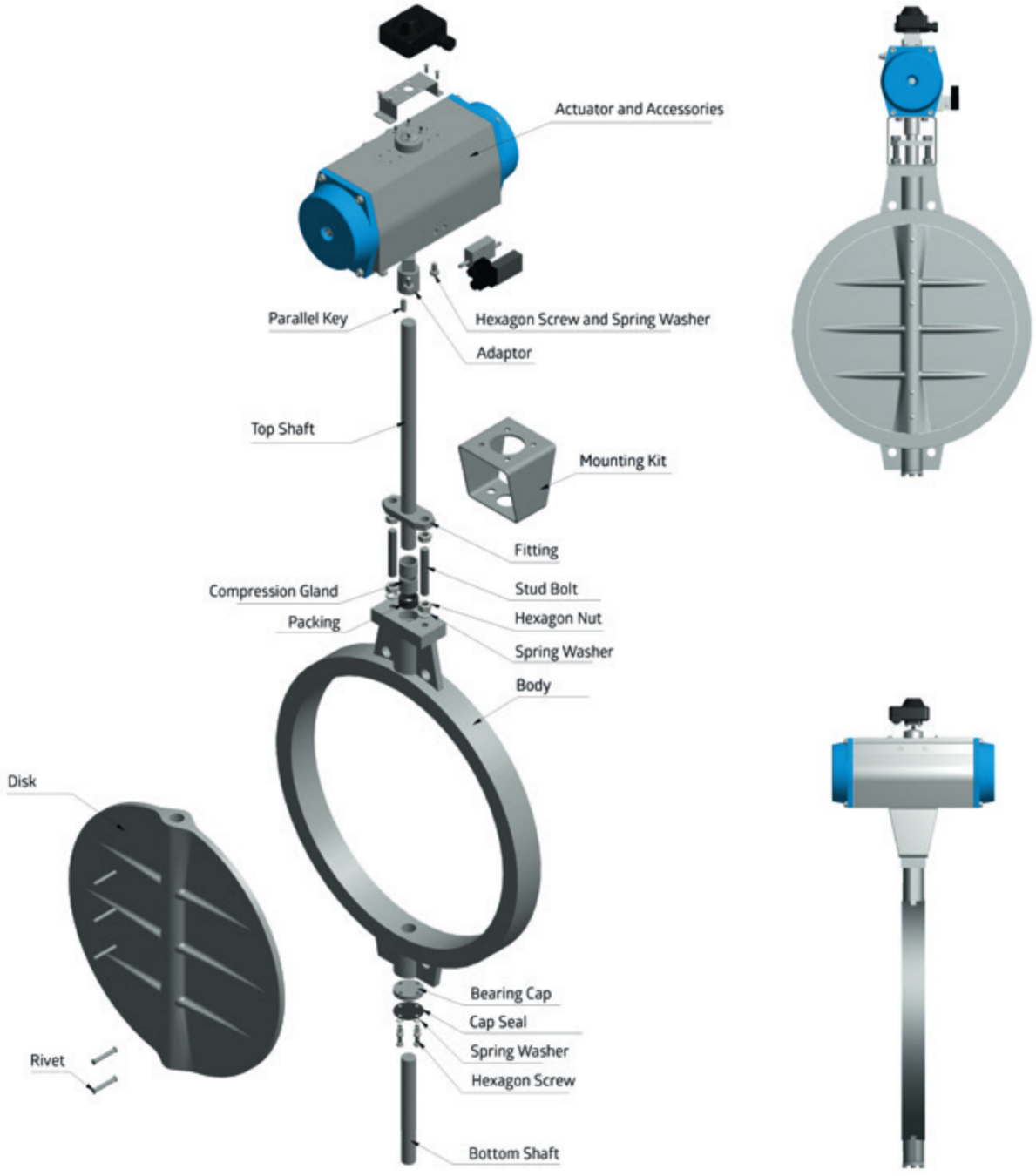
JASTA



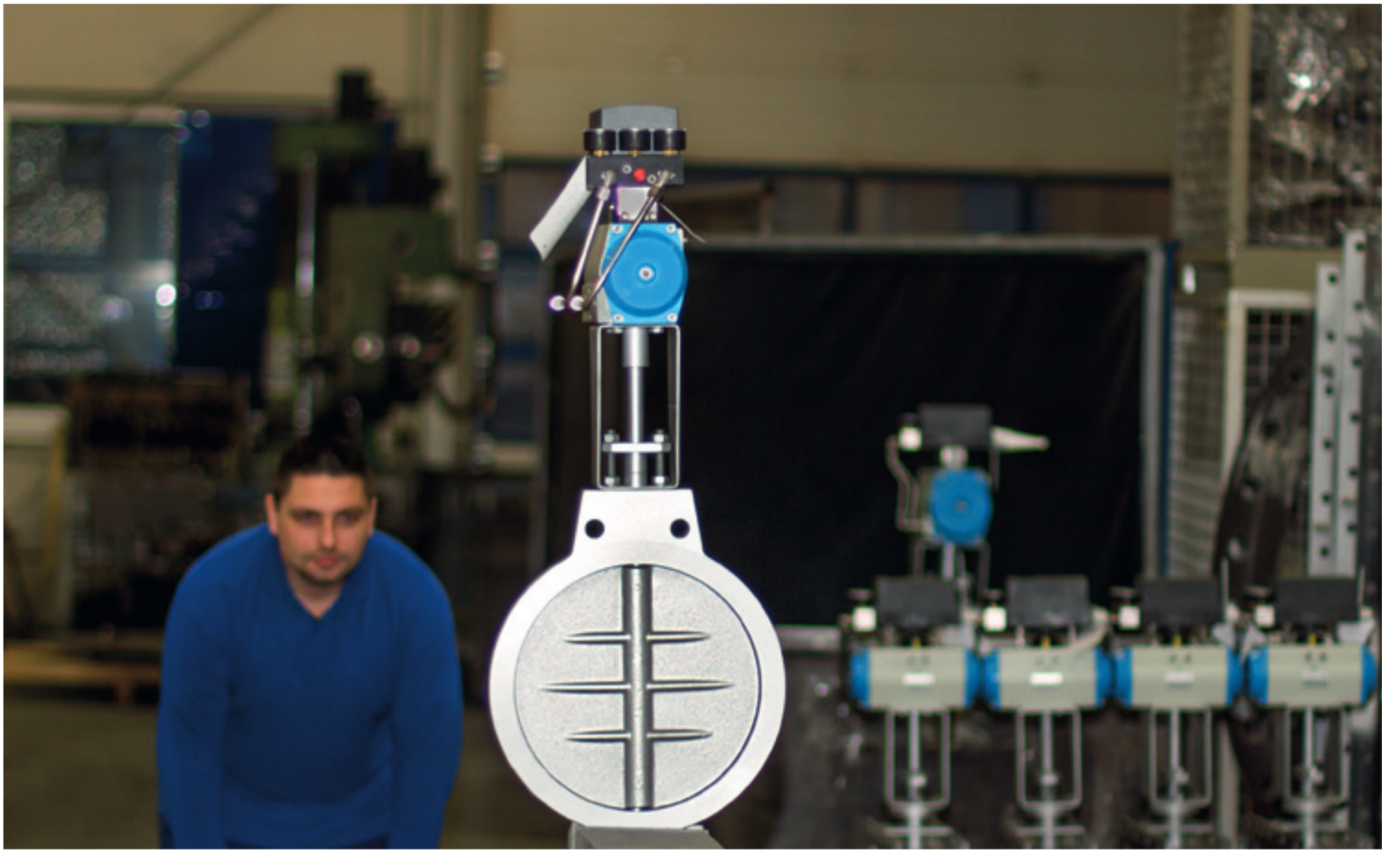
Butterfly Valve

Type GD-6

Butterfly Valve Type GD-6 with mounted pneumatic actuator



Exploded view of a standard GD-6 with a swing through cast-iron disk and a pneumatic actuator.



General Description of the Butterfly Valve Type GD-6

The GD-6 butterfly valve is one of our all-rounders in the fields of control valve technology and shut-off valve technology. They are clamped between flanges (PN-6 to PN-16) in pipelines. We can produce this valve from any materials available on the market, depending on the application (temperature, element, pressure). Custom made orders and customer requests are always possible after consultation.

Special valves which have already been implemented are a water-cooled GD-6 valve and a lever system valve that allows multiple valves to be controlled at once.

With our three sided jacketed sealing gasket we can implement an impermeability of at least 99,95% at high pressure when compared to fully opened valve disks.

We do not only offer our valves with free end-shafts, but can also upon requests offer the valves either as manually operated (with locking mechanism or continuously variable fine adjustment) or an actuator. Any actuator available on the market can be fitted with our DIN ISO 5211 mounting kit. Any further adaption is possible depending on the customer's request.

Advantages at a glance

Handling	Easy, depending on the accessories
Impermeability	99%, 99,8% and 99,98% compared to fully opened disk
Temperature Application	-100°C to +1100°C
Element Compatibility	Design and material selection according to your element and further operating conditions, including: (aggressive) flue gas, dust laden elements, biogas or exhaust gases from biomass burning
Reliability	Very low possibility of failure
Maintenance Characteristics	Low maintenance

Basic Information

Sizes: DN 15 – DN 2000 implemented as a standard

- Up to DN 5000 possible as a custom order

GD-6 as an intermediate flange design to clamp between flanges according to

- DIN EN 1092-1, PN-6/PN-10/PN-16
- ANSI B 16.5 – 150 lbs / 300 lbs / 400 lbs
- Every clamping possibility available upon request
- Centering aid guarantees an exact fitting in the pipeline

Operation

- With free shaft-ends
- Manual operation with a grid handle with locking mechanism or continuously variable fine adjustment
- A corresponding shaft adaption with the DIN ISO 5211 mounting kit
- With an attached actuator (pneumatic, electric or hydraulic)

Shaft Seal

- Gland seal
- O-Rings or shaft seals (EPDM, FPM, NBR, PTFE)
- Smooth running seal
- TA-Luft

Shaft Bearing

- Friction bearing (EN-GJL-250, RG7, Rhyolite, PTFE, DU)
- External fitting through flange bearings for smooth operating
- External fitting over a friction bearing (EN-GJL-250CrNi-bearing blocks) for high temperatures up to 1100°C

Impermeability classes

- Approx. 99% impermeability in a swing through design
- Approx. 99% impermeability (metallic sealing) compared to fully opened valve disk in a design with a stop bar in the body
- Approx. 99,98% impermeability (with flexible seal) in designs with a stop bar and three sided jacketed gasket in the body

Temperature Application

- From -100°C to +1100°C

Material

- Cast iron (e.g. EN-GJL-250, EN-GJL-250CrNi, 1.4848, 1.4865)
- Steel (e.g. S235JR, S355JR)
- Stainless steel (e.g. 1.4301, 1.4541, 1.4571, 2.4610)
- Heat resistant steel (e.g. 1.4828, 1.4841)
- Aluminium
- Duplex

GD-6