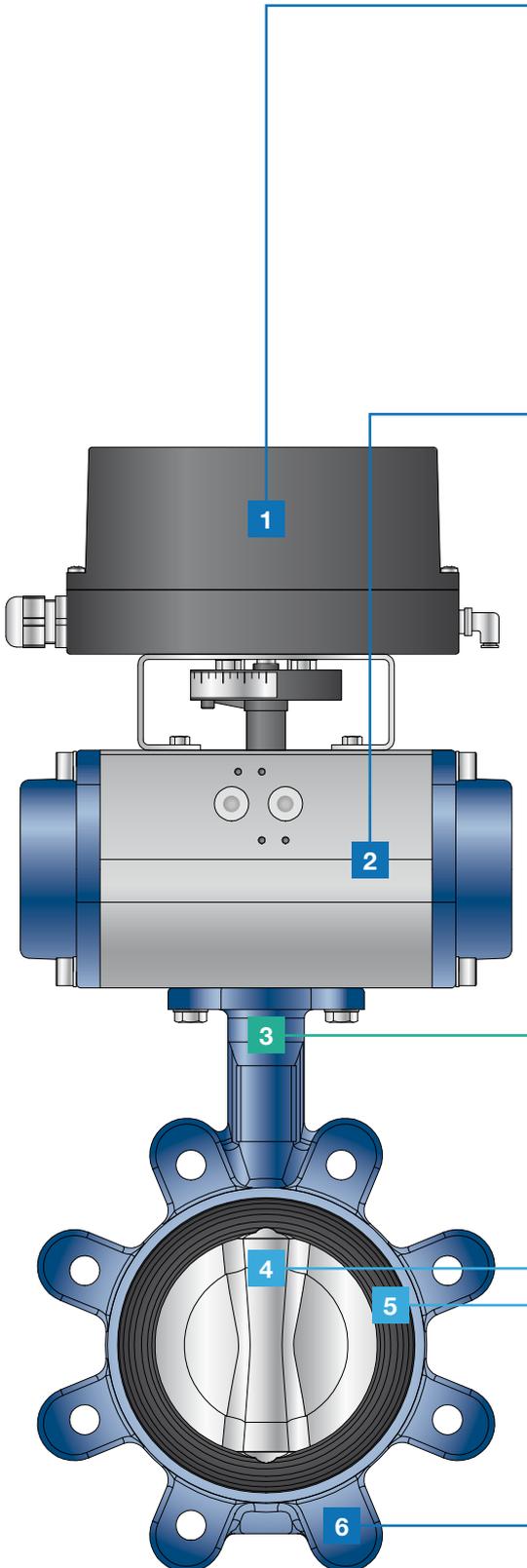


## Series LUG



# Every component precisely matched



## Multi-functional positioner

The ARCAPRO® digital positioner is a multi-functional interface with the controller or process control system and operates as standard with 4 to 20 mA. HART, Profibus (PA), and Foundation Fieldbus (FF) communication are used to establish a digital interface with bidirectional data exchange (including status messages). It can be parameterized on site or via the communications system. An open mechanical interface concept that our mother company ARCA helped elaborate complies with VDI/VDE 3847 and is used for mounting and mechanically connecting the positioner to the actuator. For more details about this see the von Rohr brochure ARCAPRO® positioner.

## Powerful piston actuator

Most commonly used is the pneumatic rotary actuator series DA as shown here. It is robust, ex-proof, features low actuating times, provides a constant seating force and is cost effective. Different sizes and rotation angles can be manufactured according to your requirements. von Rohr butterfly valves are optional also available with electric actuators. For more details, see the von Rohr brochures DA actuators or SHE torque actuators.

## Bearing bush

The bushings, stem and design are finely matched so that neither friction occurs nor higher torques are required. The seal between the bushing and the stem protects against internal leakage and external contamination.

## Valve disc and shaft

The valve disc and shaft in stainless steel ensure a long service life at a critical part of the butterfly valve. Disc and shaft are connected without hysteresis.

## Liner

The liner seals the housing and secures an inner and outer tightness. The liner material is dependent on the operating conditions (pressure, temperature) as well as the medium. As standard EPDM liners are used. Other materials such as NBR or Viton are available on request.

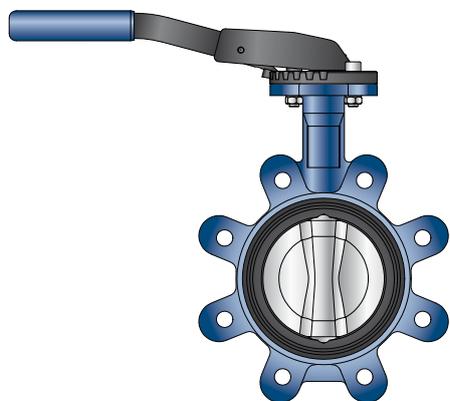
## Body

The one-piece valve body is available in spheroidal cast iron. The outer epoxy coating of the valve offers a high-quality corrosion protection. The compact design allows direct mounting of actuators on the valve. Brackets and adapter for assembly can be omitted. The butterfly valve is also available as double flange or wafer type.

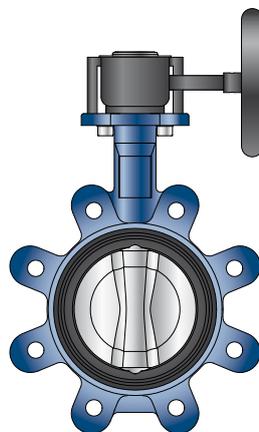
# Applications

- Chemistry
- Petrochemistry, natural gas
- Paper and pulp
- Food and beverages
- Energy, powerplants, district heating
- Waste management, municipale plants
- Textyle industry, dyeing factories
- Shipbuilding

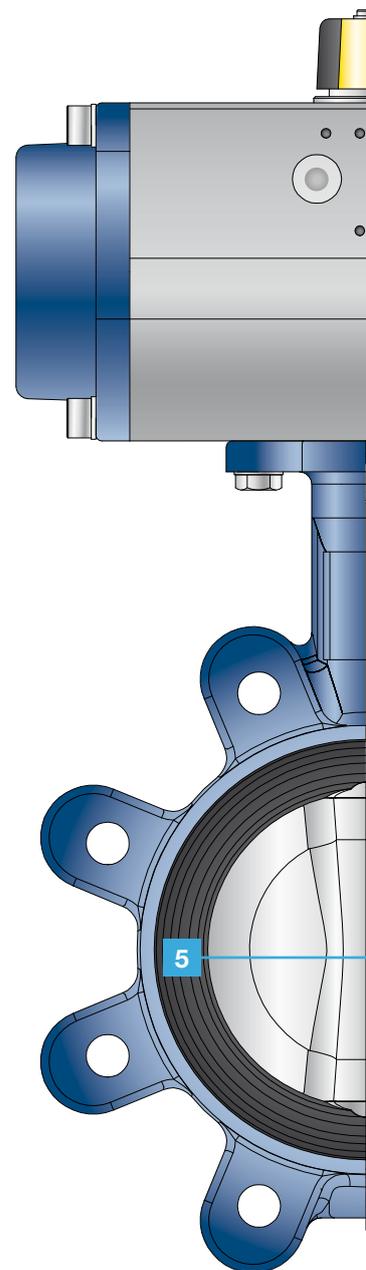
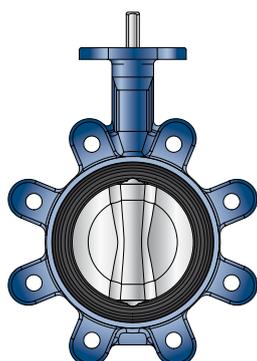
Version with manual lever

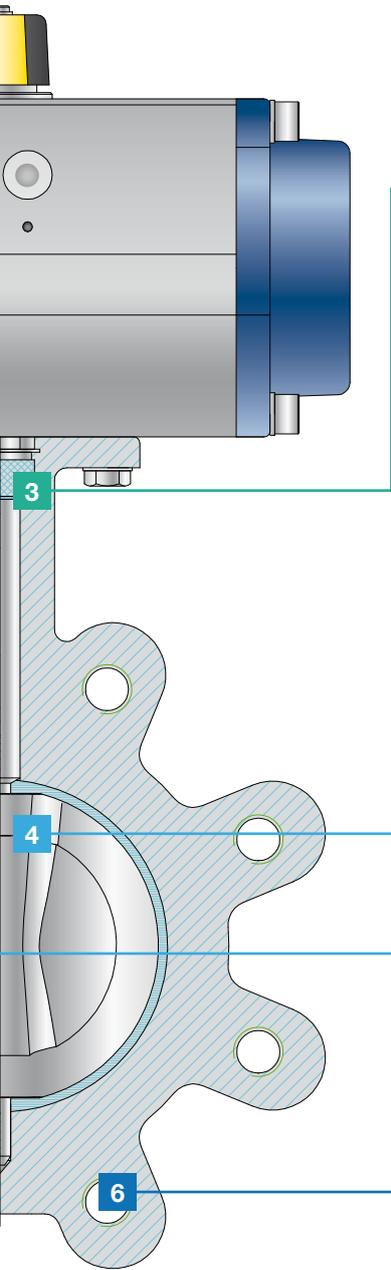


Version with manual gearbox



Version with bare shaft end





### Bearing bush

- Less friction
- Lower torques
- Optimum tightness

### Disc and shaft

- Long service life due to stainless steel disc and shaft
- Available as On/Off or control butterfly valve
- Connected without hysteresis

### Liner

- Liner secures optimum inner and outer tightness
- As standard EPDM, NBR, Viton or other materials available on request
- Exchangeable

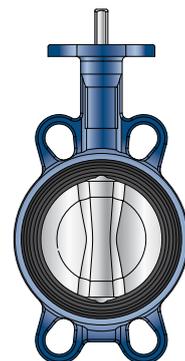
### Body

- One piece body
- Corrosion protection by outer epoxy body coating
- The compact design allows direct mounting of the actuator
- Also available as double flange or wafer type

### Double flange butterfly valve



### Wafer type butterfly valve



# Series LUG

**Version  
with manual lever**



**Version  
with pneumatic actuator**



**Version  
with electric actuator**



Features	Advantages
<b>Body designed to meet flow path criteria</b>	<ul style="list-style-type: none"> <li>● Less noise</li> <li>● Less wear</li> </ul>
<b>Compact and robust design</b>	<ul style="list-style-type: none"> <li>● Space-saving installation</li> <li>● Installation in any position</li> </ul>
<b>Easy interchangeability of components</b>	<ul style="list-style-type: none"> <li>● Low operating expenses</li> </ul>
<b>Stainless steel disc</b>	<ul style="list-style-type: none"> <li>● No corrosion</li> <li>● Low pressure drop due to the shape</li> </ul>
<b>Liner</b>	<ul style="list-style-type: none"> <li>● Large selection option of materials</li> <li>● Complete and durable (inner and outer) tightness</li> <li>● Exchangeable</li> </ul>
<b>Optionally available with manual, pneumatic or electric actuator</b>	<ul style="list-style-type: none"> <li>● Wide range of options</li> </ul>

## Series LUG

General data	
Series	LUG
Nominal size DN	32–600
Nominal pressure PN/ANSI	10/16 / class 150
Flange connection size	DIN PN10/16, ANSI class 150
Installation length	EN 558-1 series 20 ISO 5752 T5 API 609
Marking	19
Top flange	EN ISO 5211
Use standard	EN 593
Perm. operating pressure	PN16 DN32–150 PN10 DN200–600
Perm. operating temperature	–40°C to +210°C (depending on pressure, medium, body material and liner)

Body material	
Body material EN	EN-GJS-400-15 (GGG-40) other materials on request
Disc material	1.4408 other materials on request
Liner materials	EPDM (as standard) NBR, Viton or other materials available on request