Butterfly Valve
Carefully selected solutions and materials

Developing our own butterfly valve we have gone through every single part of the valve thoroughly. We have tested different technical solutions, materials and manufacturing methods and verified that the chosen ones meet our high durability and performance expectations. Burst test of the body, test of the rubber bonding strength and verification of the Kv value is just a few of the tests we have made. Our butterfly valve also passed more than 10,000 cycles in a full-scale endurance test rig at a nominal pressure of 16 bar.

It goes without saying that a valve should not leak. The rubber quality is crucial to make the valve leak proof, still it is impossible with the naked eye to separate good quality rubber from bad. That is why we find it so important to be in control of all parts of the process. Specifying the rubber compound carefully for its purpose, setting high demands for cleanliness in the production and using injection moulding we ensure excellent bonding strength and durability of the vulcanized rubber lining.

Type approval from DNV proves that our butterfly valve is well designed and developed to fulfill its purpose.

An improved butterfly valve

We are proud to say that we have been able to improve our butterfly valve in several areas. Designing the disc based on computational fluid dynamics (CFD) calculations as well as practical tests, gives our valve a higher Kv value than similar valves on the market. In our test rig pins in duplex stainless steel was proven to be the best choice, making the pins durable and at the same time resistant to corrosion.

Reduced torque allows you to choose a smaller-sized actuator, and the weight of our valve is about 10% lower than comparable products. This means we offer a complete, actuated solution which is more cost-efficient and easier to handle or fit into narrow spaces.

Butterfly valve

LK Valves is proud to introduce our own vulcanized, soft seated butterfly valve. Through a detailed development process and profound testing we have been able to reduce the torque and lower the weight compared to equivalent products. We are a unique supplier with all parts of the operations under our own roof. From product idea until you have the valve on site we are involved in every step of the process, committed to deliver quality in everything we do.

Our standard range of butterfly valves is available in wafer, lug and double flange, as DIN, JIS or ANSI and in sizes ranging from DN 40 to DN 800.

Rubber lining: NBR, EPDM, FPM/FKM or WRAS drinking water EPDM
Disc: Aluminium bronze (AB2) Stainless steel (AISI 316) and Super duplex
Our range of butterfly valves

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<thead>
<tr>
<th>Type</th>
<th>Connection</th>
<th>DN</th>
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<tbody>
<tr>
<td>Wafer</td>
<td>PN10</td>
<td>DN 200-600</td>
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<td></td>
<td>PN16</td>
<td>DN 40-200</td>
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<td></td>
<td>PN25</td>
<td>DN 40-200</td>
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<td></td>
<td>ANSI150, JIS5K, JIS10K</td>
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<td>Lug</td>
<td>PN6</td>
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<td>Double flange</td>
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<td>PN25</td>
<td>DN 40-300</td>
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Other materials, sizes and colours available on request.

Never compromise on the quality

We all want to avoid problems if we can. Ship owners want their vessel to perform as expected day after day without costly interruptions. The crew on a ship does not want their daily tasks disrupted by time consuming repairs. In short, no one wants to worry about the performance and durability of a valve, not under normal conditions and even less in an emergency situation.

That is why quality is so important to us and the reason we have chosen to have all parts of the operations under our own roof. From product idea until you have the valve on site, we are involved in every step of the process; design, development, production, sales, contract management as well as logistics.

To verify the quality we test the valves according to defined standards and regulations before we ship your order. Our butterfly valves have marine type approvals issued by DNV-GL, ABS, BV and LRS. For industrial use it is CE marked to comply with 97/23/EC standard.

Delivered according to your requirements

Let us know how you prefer your valves delivered and we will make your part of the job as quick and easy as possible. Order your butterfly valves with actuation and accessories mounted, tested and ready to install. Our actuation range includes pneumatic, hydraulic and electrical actuators as well as hand lever and gearbox. Connect the actuator to one of our valve control systems or to the existing automation system on the ship.

Producing the butterfly valves ourselves we can keep a larger stock of standard items and shorten delivery times. We can tag the valves according to your requirements and pack them per system or in another way that would be helpful to you.
About LK Valves

LK Valves is adding value to global marine industry customers with high expectations, by producing and supplying premium quality valves, strainers and actuation solutions.

We have all parts of the operations under our own roof, committed to deliver quality in everything we do. This means from product idea until you have the delivery on site we are involved in every step of the process.

We certify valves on behalf of DNV through a MSA (Manufacturing Survey Arrangement), our products are type approved by five major classification societies and we are certified according to ISO 9001:2008.

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