Butterfly Valves for Maritime Applications
GEMÜ 480 Victoria series

When maintenance work cannot be performed on the high seas and lay times in ports are becoming ever shorter, sophisticated, reliable components are called for.
GEMÜ butterfly valves on the high seas
Keeping special requirements in mind

Salty air, spray and splashes. Valves for maritime applications are exposed to a challenging environment and must work faultlessly even under the highest of mechanical loads.

Robust and sophisticated
The high corrosion protection and the triple seal contour of the shaft seal have already made the butterfly valves in the GEMÜ 480 Victoria series into a reliable component for demanding applications.

Thanks to the 250 μm epoxy coating in accordance with the corrosiveness category C5-M as per DIN EN ISO 12944, they are resistant to sea water and can withstand even high loads caused by condensation and contamination.

The soft-seated, concentric GEMÜ 480 Victoria butterfly valve series has already established itself as a reliable component for demanding applications.

Features:
• Low torques thanks to special disc contour
• Triple seal contour for improved sealing
• Robust body coating in accordance with ISO 12944-6 C5-M
• Extensive applications using a variety of materials

Can be clearly traced with CONEXO®
Do you want to clearly identify and track your plant components and access all relevant data directly on-site at the plant? Is your aim to create comprehensive and reliable maintenance processes down to the component level?

With CONEXO, we offer an RFID system architecture that enables clear identification of wearing parts, paperless maintenance and process documentation.
## Overview of the areas of application

<table>
<thead>
<tr>
<th>Application</th>
<th>Medium</th>
<th>Seal material</th>
<th>Disc material</th>
<th>Body configuration</th>
<th>DNV-GL</th>
<th>other</th>
<th>CONEXO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ballast water management</td>
<td>Sea water</td>
<td>NBR</td>
<td>Super duplex 1.4469</td>
<td>Wafer Lug</td>
<td>Yes</td>
<td>DVGW, ACS, KTW, W270, WRAS, FDA, Belgaqua</td>
<td>Yes</td>
</tr>
<tr>
<td>Drinking water treatment</td>
<td>Drinking water</td>
<td>EPDM, also with drinking water approvals</td>
<td>316SS 1.4408</td>
<td>Wafer Lug</td>
<td>Yes</td>
<td>DVGW, ACS, KTW, W270, WRAS, FDA, Belgaqua</td>
<td>Yes</td>
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<tr>
<td>Fuel treatment</td>
<td>Oil</td>
<td>NBR</td>
<td>316SS 1.4408</td>
<td>Wafer Lug</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Swimming pools</td>
<td>Chlorinated water</td>
<td>EPDM, Hypalon</td>
<td>316SS 1.4408</td>
<td>Wafer Lug</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Heating and cooling systems</td>
<td>Heating/cooling water</td>
<td>EPDM</td>
<td>316SS 1.4408</td>
<td>Wafer Lug</td>
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<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Waste water treatment</td>
<td>Filtered waste water</td>
<td>NBR</td>
<td>316SS 1.4408 Halar*</td>
<td>Wafer Lug</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</tbody>
</table>
Description

Butterfly valve with elastomer seal in wafer, lug and U section design.
- With bare shaft: GEMÜ 480
- Pneumatic: GEMÜ 481
- Manual: GEMÜ 487
- Motorized: GEMÜ 488

Technical specifications

- Nominal sizes: DN 25 to 600
- Connection types: EN 1092 PN 10, PN 16; ASME B16.5 cl.150; AS 2129 D, E; JIS 5 K,10 K; BS 10 D, E
- Body materials: EN-GJS-400-15 (GGG40), epoxy coated
- Seal materials: EPDM, NBR, FPM
- Disc versions: 1.4408, 1.4469, EN-GJS-400-15 (GGG40), epoxy, Halar® or Rilsan® coating
- Media temperature*: -10 to 150 °C
- Operating pressure*: 0 to 16 bar
- Approvals: DVGW Water, ACS, WRAS, FDA, DVGW Gas, DNV-GL

* depending on version and/or operating parameters