

GEMÜ



For maritime applications

GEMÜ 481 Victoria
pneumatically operated

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.



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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.



GEMÜ 487 Victoria
manually operated



GEMÜ 481 Victoria
pneumatically operated



GEMÜ 488 Victoria
motorized

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:

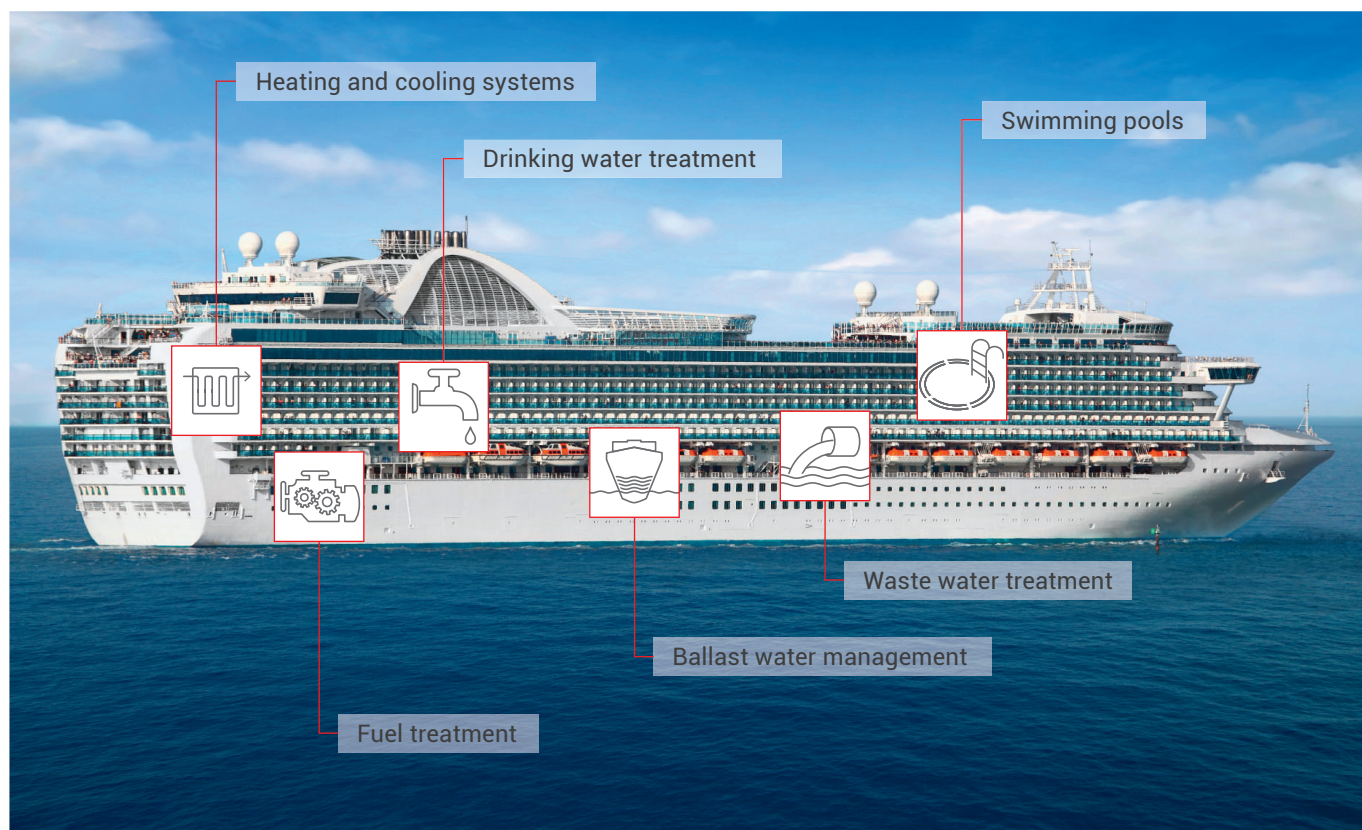
- Low torques thanks to special disc contour
- Triple seal contour for improved sealing
- Robust body coating in accordance with ISO 12944-6 C5-M
- Extensive applications using a variety of materials







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



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

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

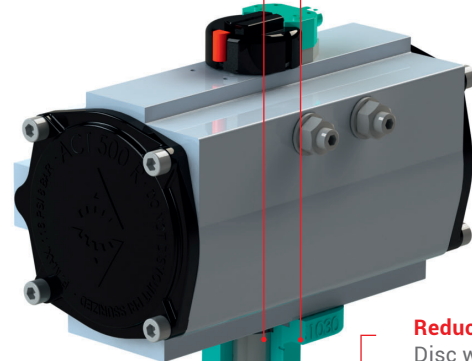
* depending on version and/or operating parameters

Safe

Shaft lock prevents the shaft from blowing out

Standardized interface

Top flange acc. to EN ISO 5211



Reduced torque

Disc with rounded-off edges

Reliable

Triple seal contour in the axis/shaft area

Low wear

Shaft mounted in bearing bushings from DN 300

Robust

Body groove for secure fixing and positive fit of the liner

Sophisticated

Profile contour ensures reliable sealing between flange connection



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