



GEMÜ R487 Victoria
manually operated



GEMÜ R481 Victoria
pneumatically operated



GEMÜ R488 Victoria
motorized

The latest generation of butterfly valves GEMÜ R480 Victoria series

Areas of application

- Chemical processes
- Industrial water treatment
- Surface finishing
- Power generation and environmental systems
- Mechanical engineering and processing industries
- Pharmaceutical, biotechnology and cosmetics industries
- Foodstuffs and beverages

Features

- Low torques thanks to PTFE-coated bushes
- Bubble tight sealing in accordance with EN 12266-1/P12
- Liner material is easy to read when installed
- Sleek disc design for higher Kv values
- Robust body coating comparable with ISO 12944-6 C5, min. layer thickness of 250 µm

GEMÜ R480 Victoria series

Soft seated metal butterfly valves

Description

The GEMÜ R480 Victoria series of soft seated metal butterfly valves is available in nominal sizes DN 50 to 300 and in standardized installation lengths ISO 5752/20, EN 558-1/20 and API 609 category A (DIN 3202 K1) in wafer and lug body versions. There are various operators available:

- With bare shaft: GEMÜ R480 Victoria
- Pneumatic: GEMÜ R481 Victoria
- Manual: GEMÜ R487 Victoria
- Motorized: GEMÜ R488 Victoria

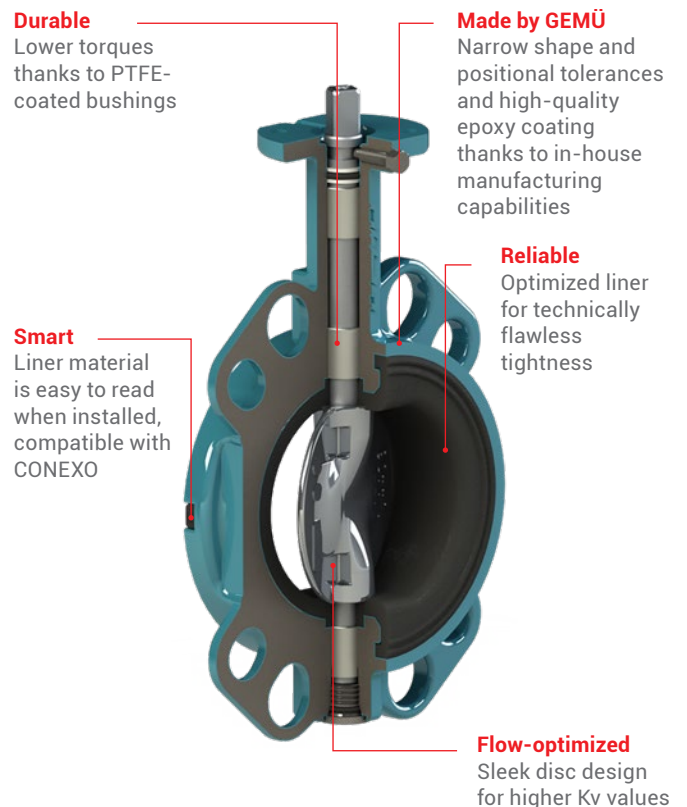
Technical specifications

- Max. operating pressure*: 0 to 16 bar
- Media temperature*: -10 to 150 °C, low temperatures on request
- Ambient temperature*: -10 to 70 °C
- Nominal sizes*: DN 50 to 300
- Body configurations: Wafer | Lug
- Connection types: Flange
- Connection standards: AS | ASME | BS | DIN | EN | ISO | JIS
- Body material: EN-GJS-400-15 | EN-GJS-400-18-LT, SG iron
- Body coating: Epoxy
- Liner materials: EPDM | FKM | NBR | SBR (abrasion resistant) | Silicone
- Disc materials: 1.4408, investment casting material | 1.4408, polished investment casting material | 1.4469, super duplex | EN-GJS-400-15, SG iron material
- Disc coating*: Epoxy | Halar®¹ | Rilsan®²

* depending on version and/or operating parameters

¹ Rilsan® is a registered trademark of Arkema

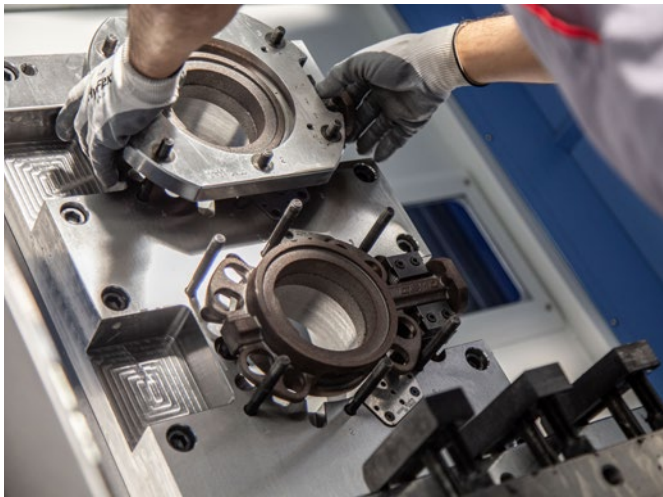
² Halar® is a registered trademark of Solvay



In-house production expertise

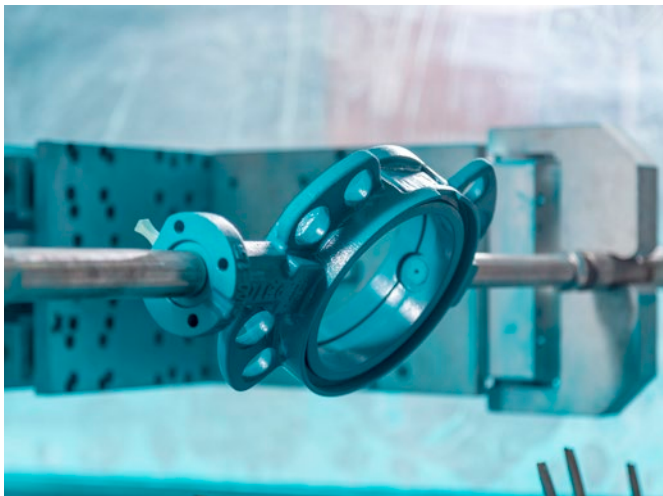
For greater safety and flexibility

From the initial milling of blanks to the high-quality body coating, our butterfly valves are machined in-house using state of the art robotics and a sophisticated transport system. The in-house machining of our butterfly valves gives us full control over quality-critical processes.



Fully automated mechanical machining for narrow shape and positional tolerances

All valve bodies are milled in one clamping position in our highly automated valve production facilities at GEMÜ Valves China. This allows us to achieve narrow shape and positional tolerances.



High-quality coating for robust valves

Using the whirl-sintering method, we coat the valve body evenly with epoxy powder. The powder suspended in the air melts onto the preheated valve body and forms a robust and resistant surface.

- High level of corrosion protection in accordance with ISO 12944-6 C5
- Layer thickness of at least 250 µm
- Consistent coating, even in the liner area



How we produce the butterfly valves GEMÜ R480 Victoria



Available actuators

Selection

Pneumatic actuators



	GEMÜ GDR/GSR Basic actuator for simple applications	GEMÜ ADA/ASR Tried and tested all-rounder for universal use	GEMÜ DR/SC Premium actuator for the most demanding applications
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Range of functions			
Position feedback	●	●	●
Open/close non-corrosive environment	●	●	●
Open/close corrosive environment	–	○	●
Control application	–	○	●
Anticlockwise actuators	–	●	●
Spare parts/maintenance	○	●	●
ATEX	–	●	●

Motorized actuators



	GEMÜ J4C	GEMÜ 9428/9468	GEMÜ AQ
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Range of functions			
Non-corrosive environment up to C3	●	●	●
Corrosive environment C5	○	○	●
Protected outdoor areas	○	●	●
Unprotected outdoor areas	–	–	●
Positioning application	○	–	●
Frequent switching cycles	–	●	○
Fail-safe option	●	–	○

- Very suitable
- Conditionally suitable
- Not suitable

Always find the appropriate configuration

The GEMÜ modular system adjusted to applications

	Application	Typical media	To be taken into consideration	Disc material	Liner material	Approval
Water treatment	Drinking water	Raw water	Drinking water and food approvals	1.4408, investment casting or EN-GJS-400-15, SG iron Rilsan® coated	EPDM	ACS (Certificate of Sanitary Conformity), DVWG Water, Belgaqua, FDA, WRAS (UK Water Regulations Advisory Scheme)
	Swimming pools	Chlorinated water (<5 ppm active chlorine)	Increased torques	1.4408, investment casting	EPDM	
	Ballast water	Sea water	Corrosion	1.4469, super duplex	NBR	DNV-GL Shipbuilding approval
	Ultra-filtration, ion exchangers/ DI water	Acids/alkalis/ sodium hypochloride as cleaning agent	Chemical resistance	1.4408, investment casting, Halar® coated	EPDM	
	Heating and cooling systems	Heating and cooling water, glycol	Temperature, mounting kit or dew point barrier	1.4408, investment casting or EN-JS-400-15, SG iron epoxy coated	EPDM	
	Chemical processes	Chemically corrosive media	Chemical resistance	1.4408, investment casting, Halar®	FKM	
	Heat supply	Steam/hot water	Temperature	1.4408, investment casting	EPDM SHT	
	Gas engineering	Natural gas, biogas	Gas approval	1.4408, investment casting	NBR	DVGW (German Technical and Scientific Association for Gas and Water) Gas
	Bulk materials	Lime, sand, granules	Silo discharge (no pneumatic conveyance)	1.4408, 1.4469 investment casting, super duplex	AB/P SBR	

