

# XOMOX<sup>®</sup>

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XOMOX  
Butterfly Valves

**CRANE**<sup>®</sup>

ChemPharma Flow Solutions

[www.cranepharmasolutions.com](http://www.cranepharmasolutions.com)



## XOMOX High Performance Butterfly Valves Series 800 ISO

- The new PN 16 generation of double eccentric High Performance Butterfly Valves for ON/OFF and Throttling Service
- A combination of proven design and new ideas
- A economically solution with excellent leakage performance and long service life
- Patented design features (seal ring and screwless retainer)

### Design Features & Benefits

- Actuator mounting as per DIN ISO 5211
- Integrated travel-stop
- Maintenance-free stem packing
- Double eccentric disc mounting
- PTFE seat ring (patented)
- Screwless retainer (patented)  
Flange gasket sealing face uninterrupted by retainer screws allows the use of all standard gasket designs
- Closed bottom
- Long valve neck

### Technical Data

<b>Size Range:</b>	DN 80 – 300 / NPS 3 – 12
<b>Pressure range:</b>	up to DIN PN 16
<b>Temperature range:</b>	<b>PTFE-Seat:</b> 203 K bis 477 K (-70°C to +204°C)
	<b>PTFE-Seat reinforced:</b> 203 K bis 505 K (-70°C to +232°C)

### Materials

Body	1.0619 (GS-C25) acc. to EN 10213-2 1.4408 nach EN 10213-4
Disc	1.4401/1.4408

### Approvals/Certificates

CE-marking  
TA-Luft Certificate  
Type test approval  
GOST R



## XOMOX High Performance Butterfly Valves Series 800

- Long life time
- Extreme tightness under high pressure and vacuum conditions
- Axially pliant seat represents the new design feature
- Double-offset design
- One-piece, compact body designs
- Various product options and materials for multi-purpose applications

### Design Features & Benefits

- Extreme tightness under high pressure and vacuum conditions in both flow directions
- Standardized face-to-face dimensions
- Low weight
- Easy maintenance

### Technical Data

<b>Size Range:</b>	DN 50 – 1200 / NPS 2 – 48 larger size on request
<b>Pressure range:</b>	PN 6 – 100, ANSI Class 150 – 600
<b>Temperature range:</b>	<b>PTFE-Seat:</b> 203 K – 477 K (-70°C - +204°C)
	<b>PTFE-Seat reinforced:</b> 203 K – 505 K (-70°C - +232°C)
	<b>FIRESAFE-Seat:</b> 203 K – 573 K (-70°C - +300°C)
	<b>Metal-Graphite:</b> 203 K – 823 K (-70°C - +550°C) max. for gases $\Delta 6$ bar available up to DN 700

### Options

Screwless retainer ring- uninterrupted flange face for Wafer and Lug Design for installation of grooved and spiral wounded gaskets of all standards.

Other Seat executions on request

### Approvals/Certificates

Classification Society  
LLOYD'S REGISTER OF SHIPPING  
DET NORSKE VERITAS STOOMWEZEN B.V.  
CE-marking & GOST R

### Miscellaneous

Available styles:

- a) for FITTING BETWEEN FLANGES (WAFER TYPE) with four bore holes corresponding to the flange holes for easy mounting
- b) with SINGLE FLANGE (LUG TYPE)
- c) with DOUBLE FLANGE

The extra large rugged mounting pad provides a solid base for mounting actuators and accessories to all bodies. On request also available with connection flange as per DIN/ISO 5211.

Mechanical Operators:

DN 50-200 / NPS 2-8 are equipped as a standard with latching lever  
DN 250-1200 / NPS 10-48 are equipped as a standard-with worm gear



## XOMOX Severe Service Butterfly Valves Series 9000

- XOMOX Severe Service Butterfly Valves Series 9000
- Superior performance by triple offset design
- High-quality and reliable shut-off and control valve for Severe Service Applications
- Metal seated butterfly valve
- Leak tightness in both directions
- FIRESAFE testing acc. to API 607 4th edition
- TA-LUFT approved design

### Design Features & Benefits

- Anti-blow-out proof shaft
- Floating, self-centering disc design
- Frictionless closure, no jamming
- Self-compensating in case of temperature changes
- Bi-directional tightness up to full nominal pressure
- Multi-purpose applications supported by various product options

### Technical Data

**Size Range:** DN 80 - 600 / NPS 3 – 24  
**Pressure Range:** PN 10 – 40  
 ANSI Class 150/300  
**Temperature Range:** -196°C to +550°C

### Materials

**Carbon Steel**  
 -10°C to +400°C Standard  
 -10°C to +300°C Nace  
**Stainless Steel**  
 -10°C to +400°C Standard  
 -10°C to +300°C Nace  
 -60°C to +550°C High/Low Temp.

### Approvals/Certificates

Testing:  
 • DIN 3230 – 3 BN, leakrate 1  
 • BS 6755 leakrate A  
 • API 598  
 • ANSI / FCI 70-2 Class VI  
 Fire-Safe Testing:  
 • API 607 4th Edition (no leakage in both flow directions)  
 TA-Luft Certificate  
 CE-marking & GOST R

### Miscellaneous

- **Main Areas of Application**  
 Mineral oils, Chemical industry, Gas industry, Power plants, District heating plants, Steel industry, Sugar industry, Pulp & Paper industry, Refrigeration technology
- **Applications**  
 Steam / condensate, Heating water, Combustible media, Oxygen, Processing media, Bitumen, Hot gas and exhaust gas, Low temperatures (cryogenics), Toxic media



## XOMOX Fully Lined Butterfly Valve Series XLD

- Cost-efficient alternative vs. expensive high alloy valves
- Multi-purpose applications in various industrial applications (e.g. chemical, petrochemical & pharmaceutical)
- Minimum maintenance and life-time costs
- Superior sealing principle
- Suitable for tight shut-off or throttling service
- Excellent corrosion and diffusion resistant lining materials
- Low torque requirements
- Excellent references in chemical, seawater and offshore applications

### Design Features & Benefits

- Standardized actuator assembly flange acc. to DIN ISO 5211
- Different body designs (Wafer, Lug, Lug PN 20)
- Compact, two-piece valve design
- Standardized face-to-face dimensions (API 609, DIN EN 558)
- Space savings in piping systems
- Blow-out proofed one-piece disc-stem design
- Maximum internal and external corrossions resistance for highest safety aspects
- Thick corrosion resistant lining
- Independent primary and secondary sealing systems
- Seamless One Piece Molded Liner
- Body liner extension
- Fully enclosed bottom shaft

### Technical Data

**Size Range:** DN 80 - 600  
NPS 3 - 24

**Pressure Range:** PN 10 / ANSI Class 150 derated  
PN 20 / ANSI Class 150 full rated  
JIS 10K and other standards on request

**Temperature Range:** PFA: max. 200°C  
PFA Antistatic on request

### Materials

EN-JS1049 (0.7043, GGG 40.3)  
Other materials on request

### Options

- Disc and shaft in stainless steel
- High-tensile and pressure resistant bearing and disc materials
- Customer tailor-made solutions on request

### Approvals/Certificates

FDA-approval  
TA-Luft approval  
Type test approval  
Approved to NORSOK standard & GOST R



## XOMOX Resilient Seated Butterfly Valves Series 7000

XOMOX Resilient Seated Butterfly Valves Series 7000 can be used in various applications. They are suitable for pressure ratings up to 16 bar and temperatures up to 120°C.

### Typical Applications

- Water, sewage water and hot water plants up to 120°C
- Cooling water
- Compressed air

### Design Features & Benefits

- The elastomer is vulcanised onto a back-up ring. Replaceable Liner cartridge. Arching and stretching, as well as wear and increased torque are prevented.
- Save, vibration-resistant joint between disc and shaft
- Optimum disc profile for low torque and long service life of theseat
- One piece shaft
- No flange gaskets required
- Actuator flange acc. to ISO 5211

### Technical Data

**Size Range:** DN 50 – 300 / NPS 2 – 12  
**Pressure Range:** PN 10, 16, ANSI Class 150  
**Temperature Range:** -20°C to +120°C

### Materials

Wafer body made of cast iron and nodular cast iron  
 Lug body made of nodular cast iron  
 Liners: EPDM or NBR  
 Disc: stainless steel or aluminium bronze

### Miscellaneous

The available elastomer liners and discs are resistant against many process media.





## XOMOX Resilient Seated Butterfly Valves Series 7500

XOMOX Resilient Seated Butterfly Valves Series 7500 can be utilized in a wide range of industrial applications:

- Processes in the chemical, pulp & paper, sugar industries
- Flue gas desulfurization plants, gas industries
- Cooling water, Heating, Ventilating & Air Conditioning (HVAC), Fire Fighting Systems
- Compressed air, nitrogen generation plants, cement industry
- Iron & steel plants, cargo services, sea water, oil and other energy piping systems (ship industry)
- Water circulation, water treatment plants

### Design Features & Benefits

- Corrosion free service
- Permanently tight closure
- Replaceable Liner cartridge
- Simple installation, suitable for full vacuum
- Permanent lubrication
- Maintenance-free operation
- Exchangeable Actuators - Simple conversion
- Optimum actuator adaptation
- Short face-to-face dimensions, low overall height, space and cost saving
- Wafer or lug body

### Technical Data

**Size Range:** DN 40 - 120 / NPS 1½ – 48  
**Pressure Range:** PN 10,16, ANSI Class 150  
**Temperature Range:** -34 °C to + 150 °C

### Materials

Wafer body: Cast Iron or Ductile Iron  
 Lug body: Ductile Iron or Carbon Steel  
 Flanged body: Ductile Iron or Carbon Steel

#### Disc:

Stainless Steel, GGG nickel plated, Hastelloy, Duplex, Rilsan coated, ECTFE coated, Hostalen GUR lined

#### Body lining:

EPDM, EPDM-H, NBR, HBNR, FPM, CSM

### Approvals/Certificates

CE-marking  
 ISO 9001 / EN 29001  
 American Bureau of Shipping (ABS)  
 DVGW-Gas  
 WRC / KTW for drinking water  
 Bureau Veritas  
 Lloyd's Register of Shipping  
 GOST R

# XOMOX®

XOMOX International GmbH & Co.

Von-Behring-Straße 15

D-88131 Lindau/Bodensee

Tel.: (49) 8382-702-0

Fax: (49) 8382-702-144

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