

# XOMOX®



## HIGH PERFORMANCE BUTTERFLY VALVES

Delivering low-maintenance solutions tailored for chemical and petrochemical applications, for over 60 years.

### ENDURANCE CHAMPION

Achieving **ONE MILLION CYLCES** while remaining fully operational thanks to our unique seat design that is not subject to the stress-inducing axial flexion often seen in other valves of this type.

### ULTIMATE FLEXIBILITY

Usable in **ON/OFF or THROTTLING/CONTROL APPLICATIONS** with no need for a special design or modifications. You can use a XOMOX® HPBV right out of stock in multiple different applications without concern.

### BI-DIRECTIONAL GUARDIAN

Suitable for **BI-DIRECTIONAL DEAD-END SERVICE**, even under full differential pressure – also available with a **SMOOTH SEAT RETAINER RING**.

**CRANE**



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

# XOMOX® HPBV Features & Benefits

## Materials of Construction

- Standard: 1.0619, 1.4408; A216 Gr. WCB, A351 Gr. CF8M
- Optional materials available upon request including but not limited to Duplex, Superduplex, LCC/LCB, WC6, CF3M, Monel®, Inconel®, Hastelloy®, Alloy 20; 1.4469, 1.7357, 1.4409, 2.4460, 1.4539

## Size Range

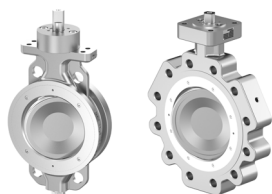
- Standard: DN 80 to DN 600 or 3" to 24"
- Optional Series 800: up to DN 2600 or 102"

## Pressure Range

- Standard: PN 10, 16, 25, 40; ASME Class 150 & 300#
- Optional Series 800: up to PN 100 or 600#
- JIS, BS, API and other pressure classes on request

## Body Configurations

- Wafer & LUG acc. to DIN EN 558 (R16, R20, R25) & API 609



## Temperature Range

- PTFE / RPTFE: -70°C to +232°C; -94°F to 450°F
- Metal-PEEK: -70°C to +260°C; -94°F to 500°F
- Fire Safe (Metal/PTFE): -70°C to +300°C; -94°F to 572°F
- Metal/Graphite: -70°C to +550°C; -94°F to 1022°F
- Cryogenic (Metal-PCTFE): -196°C to +50°C; -321°F to 122°F

## Typical Applications

- Chemical and petrochemical industry
- Oil and gas including offshore platforms
- Air separation
- Chlorine liquefaction
- Power generation & energy
- Pulp & paper
- Desalination
- Steam, corn processing, HVAC
- Maritime vessels

## Standard Features And Compliance

- TA-Luft compliance acc. to VDI 2440 (2021)
- ISO 15848-1: 2017, Class BH, level CO3 standard, SSAO
- EPA Method 21 (Fugitive Emissions Compliance)
- API 609 and ASME B16.34; EN 12016 valve design standard
- Zero leakage as per API 598; EN12266 leakage rate A
- Fire-Safe acc. to API 607 and EN ISO 10497:2000
- Quality certification as per ISO 9001
- CE-marking according to DGRL 2014/68/EU & PED
- ISO 5211 actuator mounting bracket
- SIL 2 and 3
- API 641
- CRN (Canada) certified
- TSG (China) certified
- EAC (Russia) certified

## Special Options

- Fire-Safe
- Leakage Detection
- Primary stem seal
- Oil-free/Grease-free (various designs as per customer request)
- Oxygen application
- Chlorine and phosgene applications
- Smooth seat retainer
- Cryogenic design
- Heating jackets

## NEW: LIVE LOADED UPGRADE FOR TA-LUFT 2021

### SPECIAL PACKING FLANGE

- Allowing for **EASY RE-TIGHTENING** of the packing, ensuring optimal performance
- Sealing from external dirt and water, **PROTECTING THE TRIM COMPONENTS**

### VARIOUS SEAT OPTIONS

- Available with various options and materials for **TEMPERATURES UP TO 550 °C or 1022 °F**
- Achieves bubble tight shut off
- Offers superior durability and an **EXTENDED SEAT LIFESPAN**
- Seat retainer ring available both as **BOLTED and SCREWLESS OPTION**

### CLOSED TOP FLANGE DESIGN

- **ELIMINATES POTENTIAL LEAKAGE PATHS** below the mounting pad
- The longer neck design allows for **THICKER ISOLATION**

### SPECIALIZED BEARING SOLUTIONS

- Low coefficient of friction ensures **SMOOTHER CYCLING** and **REDUCED OPERATING TORQUE** for enhanced efficiency

### CLOSED BOTTOM DESIGN

- **PREVENTS EXTERNAL LEAKAGE** and offers higher reliability for many sizes and pressure classes



## CRANE CHEMPHARMA & ENERGY

Xomox International GmbH & Co. OHG  
Von-Behring-Straße 15  
8131 Lindau (Bodensee)  
Germany  
Tel: +49 8382 702 0  
Fax: +49 8382 702 144

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