



# ChemFlyer | CST

## PTFE lined Butterfly Valve



The world leading, customisable PTFE lined butterfly valve, manufactured in Switzerland to the highest standards to provide secure handling of aggressive media



### Features



#### Secure & Leakage Free

- Safer handling of corrosive media thanks to the sophisticated sealing system
- Especially designed for operation with highly aggressive substances such as chlorine, hydrogen fluoride & sulphuric acid
- The adaptive pressure package guarantees supreme tightness and constant contact pressure throughout the operational lifetime
- Technologically advanced sealing system, perfected over decades of product development



#### Unique Design

- Spherical design reduces friction and increases operational lifespan
- Following the natural movement of the valve disc, the curved liner reduces wear and tear
- The rounded, polished edges of the disc minimise torque and allow the use of smaller, more economical actuators
- The one-piece valve disc, precisely machined to fractions of a millimetre, protects the shaft from warping
- Intricate, moulded backups provide maximum sealing over an increased operational lifespan



#### Modular & Distinctive

- The modular design is highly configurable and each valve is individually traceable through its unique serial number
- Adaptable to a multitude of requirements and applications thanks to its configurable, modular design
- Individual serial numbers allow complete traceability of all pressure-bearing parts



#### Additional Features

- + Optional modified PTFE significantly improves durability when dealing with permeable media and high temperatures
- + Guaranteed compatibility with all established actuator systems through a range of shaft mounting options
- + Actuation devices, including hand levers, manual gearboxes and motorised actuators, are available
- + 2-week standard delivery, driven by intelligent logistics and dedicated PTFE valve production facilities

### Technical Specifications



#### Nominal Diameter

- DN 25–1200 | 1"–48"



#### Flange Connections

- EN 1092-1, PN 10–16
- ASME B16.5, Class 150
- JIS 10K



#### Top Flange

- ISO 5211



#### Max. Working Pressure

- DN 25–450: 10 bar
- DN 500–600: 6 bar
- DN 650–1200: 3 bar



#### Temperature Range

- -60° C to 200° C



#### Face-to-Face Length

- EN 558, Series 1



#### Disc Materials

- PFA
- Conductive PFA
- Stainless Steel
- Duplex
- Titanium Grade 2
- Hastelloy C



#### Liner Materials

- PTFE
- Modified PTFE
- Modified PTFE Conductive
- UHMPE



#### Backup Materials

- Silicone
- EPDM
- FKM



#### Body Materials

- Ductile Iron
- Stainless Steel
- Carbon Steel
- Duroplast



#### Conformity

- PED 2014/68/EU
- ATEX 2014/34/EU
- Food (EG) Nr. 1935/2004, FDA
- TA-Luft, ISO 15848-1



#### Pressure Test

- EN 12266-1

