WTA® Bellows Sealed Globe Valves

www.cranecpe.com

Bellows Sealed Globe Valves provide the highest fugitive emission protection for use in chemical processing, including Phosgene and Fertilizer applications.

Key features include:

1. Bellows Sealed Globe Valves are designed for inflammable, explosive, volatile, toxic or aggressive applications and provide the highest **fugitive emission protection**.

2. **Superior safety sealing system** with multiple-walled bellows, gland packing, and metal back seat, prevents potential leckage.

3. **Two-part rising stem** design separates the upper and lower stem, protects bellows from torsion and minimizes maintenance.

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WTA® Bellows Sealed Globe Valves

Technical Data

- Two part rising stem with outside roll-formed thread; stem coupling with bellows anti-torque device and position indicator
- Full size safety gland packing made of pure graphite; can also be supplied in PTFE on request
- Metal back seat with stroke limiter in open position and bellows anti-vibration device
- Multiple wall, fully flushed stainless steel bellows, secured against torsion, designed for 10,000 cycles; fully welded
- Stainless steel camprofiled bonnet gasket coated with pure graphite, mounted in tongue and grooved bonnet flanges
- Conically shaped plug made of hardened chromium steel 1.4021 / AISI 420 or armoured with Stellite® 6; body seat hardened with stainless steel 1.4370 / AISI 307 or Stellite® 21

Typical Applications

For various media with inflammable, explosive, volatile, toxic or aggressive characteristics, whose emission into the atmosphere must be prevented.

Materials of Construction

- Carbon Steel 1.0619 / WCB
- Stainless Steel 1.4408 / CF8M
- Low temperature Carbon Steel 1.6220 / LCB / LCC
- Special materials available on request

Size Range

DN 15-400 / NPS ½"-16"

Pressure Ratings

PN 16-400 / Class 150-2500

Body Configurations

Straight type, Y-type or corner-type

End Connections

Flanges, butt weld ends or socket weld ends.

Temperature Range

Standard	Unit	Temp.	Carbon Steel	Stainless Steel	Low Temperature Carbon Steel
DIN	°C	Tmin	-10	-200	-40
		Tmax	+400	+400	+300
	°F	Tmin	+14	-328	-40
		Tmax	+752	+752	+572
ASME	°C	Tmin	-29	-268	-46
		Tmax	+425	+400	+345
	°F	Tmin	-20	-450	-50
		Tmax	+797	+752	+653

Special Options

- Pneumatic or electric actuated
- Soft sealing and regulating piston
- Welded bonnet
- Heating jacket

Compliance

- Permissible working pressure acc. EN 1092 part 1 and ASME B16.34-2009
- Face-to-face dimension acc. EN 558-1, EN 12982 and ASME B16.10
- Inspection and testing acc. EN 12266 and API 598
- Design in accordance with TA-Luft

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Xomox International GmbH & Co. OHG
Von-Behring-Str. 15
88131 Lindau, Germany
Tel.: +49 8382 702 0
Fax: +49 8382 702 144
www.cranecpe.com

Crane ChemPharma & Energy, WTA®