

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:

- Bellows Sealed Globe Valves designed for various applications with inflammable, explosive, volatile, toxic or aggressive characteristics to provide the highest fugitive emission protection.
- Full safety sealing system with multiple-walled bellows, gland packing, metal back seat, and position indicator.
- Two-part rising stem design separates the upper and lower stem from each other which prevents bellows from torsion.







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 1/2"-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

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®

Crane Co., and its subsidiaries cannot accept responsibility for possible errors in catalogues, brochures, other printed materials, and website information. Crane Co. reserves the right to alter its products without notice, including products already on order provided that such alteration can be made without changes being necessary in specifications already agreed. All trademarks in this material are property of the Crane Co. or its subsidiaries. The Crane and Crane brands logotype, in alphabetical order, (ALOYCO^o, CENTER LINE^o, COMPAC-NOZ^o, CRANE^o, DUO-CHEK^o, ELRO^o, FLOWSEAL^o, JENKINS^o, KROMBACH^o, NOZ-CHEK^o, PACIFIC VALVES^o, RESISTOFLEX^o, REVO^o, SAUNDERS^o, STOCKHAM^o, TRIANGLE^o, UNI-CHEK^o, WTA^o, and XOMOX^o) are registered trademarks of Crane Co. All rights reserved.