

# WTA<sup>®</sup> HF Alkylation Valves

#### www.cranecpe.com

Bellows Sealed Globe Valves provide the highest fugitive emission protection for Hydrofluoric Acid (HF) applications including Alkylation.

Key features include:

- Superior safety sealing system with multiple walled bellows, gland packing, metal back seat, two-part rising stem, stellite coated, conical shaped piston and seat.
- Compliant with the demanding UOP Specifications for Bellows Sealed Globe Valves used for HF applications.
- The robust bellows design offers significant operating and maintenance cost savings.







# **WTA® HF Alkylation Valves**

# **Product Features**

Bellows sealed globe valves with protected bellows and safety gland packing designed for min. 10,000 cycles.

### **Benefits**

- Less plant downtime due to bellows with longer lifetime and easy as well as quick maintenance on valves due to less parts (<5)</li>
- Low emissions due to TA-Luft approved design
- Design provides higher integrity isolation than other valve designs

# **Typical Applications**

For various media with toxic or aggressive characteristics including HF Alkylation and other HF applications.

### Materials of Construction

- Body made of ASTM A 216 WCB-S16, Monel<sup>®</sup>, Hastelloy<sup>®</sup> C276
- Body seat hard-faced with Stellite® 21
- Disc in Hastelloy<sup>®</sup> C276 hard-faced with Stellite<sup>®</sup> 6
- Bellows and trim in Monel®, Hastelloy® C276

# **Body Configurations**

- T-type body design
- Globe valve face to face standard
- Gate/Plug valve face to face standard
- Body/bonnet wall thickness exceeds API 602 for additional corrosion resistance

# Size Range

NPS 1/2" - 12" Other sizes are available upon request

# **Pressure Ratings**

ASME class 300, 600, 800 Other classes are available upon request

# **End Connections**

Flange design in accordance with ASME B 16.5 and EN 1092-1. Other classes are available upon request

#### Painting

Body/bonnet and end flanges painted with HF leakage detection paint.

#### Testing

In accordance with UOP and ConocoPhillips requirements including Shell and Helium leak test. WTA® HF Valves exceed API 598 requirements by testing every valve to zero leakage.\*

### Automation

Pneumatic actuated HF valves available with special bellows designed for up to 100,000 cycles.

\* Zero leakage - in accordance with UOP specifications and API 598 standards Hastelloy® is a trademark of Haynes International Inc. Stellite® is a registered trademark of Deloro Stellite.

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