

ISO compliant Clean Room with ultrasonic cleaning system to ensure safety, quality, and gas-leak tightness of our products



another cleanliness inspection under UV-light takes place before the finished vacuum sealed valves leave the clean room.

The clean room itself is permanently supplied with clean, almost particle free, air from above through filter-fan units. Remaining dust particles are thereby forced out of the room. This process generates an overpressure inside the clean room, which prevents the entry of foreign particles when the air lock is opened.

Our state of the art ISO 14644-1 compliant clean room is equipped with an ultrasonic cleaning system, featuring air locks for materials, and a test booth where leakage tests for strength and helium testing are conducted to determine the gas-leak tightness of the bellows and valve bodies. These tests are followed by vacuum compliant packing of the finished valves.

In this clean room, special oil and grease-free valves are assembled, checked and packed by our trained experts. The individual valve components are first cleaned in the ultrasonic cleaning system and then entered into the clean room through the air lock. After the cleaning process the valves are exposed to UV-light, in an initial examination for the presence of undesired oil and grease. During the subsequent assembly process, any contamination of the valve interior is ruled out because of the process optimized sequence.

Various tests for leak tightness and strength are then conducted using nitrogen and helium, and



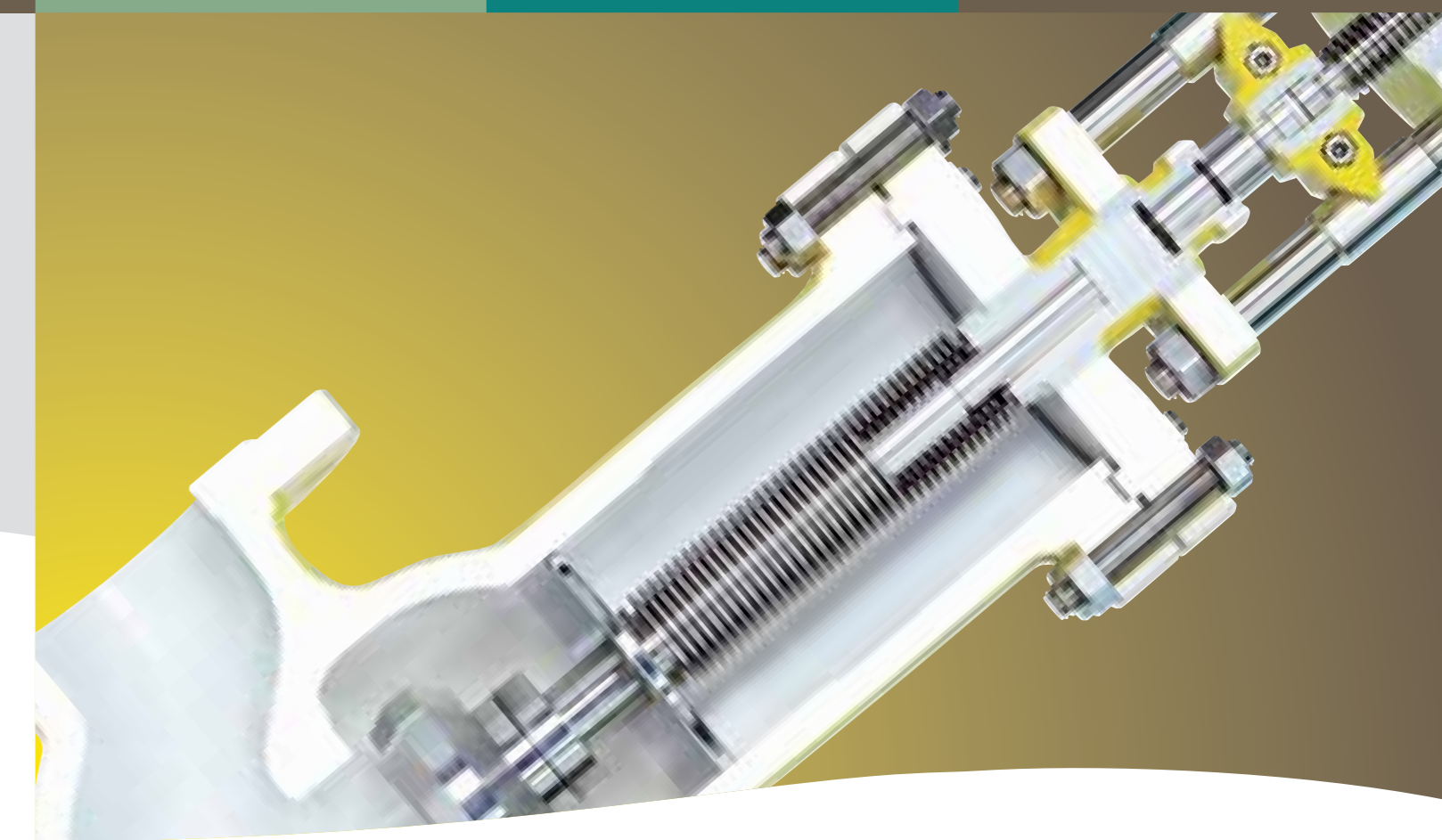
brands you trust.

CRANE ChemPharma Flow Solutions Include: Pipe - Valves - Fitting - Actuators - Pumps



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Solution for Chlorine Services

WTA [a CRANE ChemPharma brand] was founded in 1978 in Ludwigshafen on the Rhein, a major European Centre for the Chemical Industries. The business is currently located at its facilities in Maxdorf, Germany. Supported by 100 qualified and dedicated engineers and skilled technicians, we design, develop and manufacture a full range of High Quality Bellows Sealed Globe Valves, Strainers, Check Valves, Relief Valves, Change-Over Valves, and Special Valves meeting very stringent specifications required by the Chemical and Petrochemical Industries.

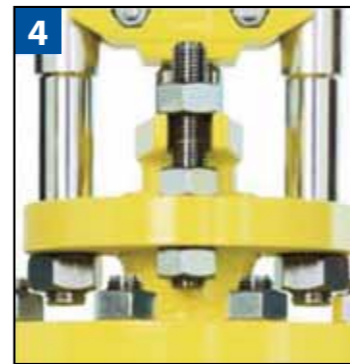
WTA Chlorine Bellows Sealed Globe Valves are designed and manufactured in accordance to the Euro Chlor recommendation for use on liquid and dry gaseous chlorine and similar dangerous and aggressive media.

Technical Member and Supplier of Euro-Chlor Approved Process Valves

WTA is a certified supplier and a member of Technical Correspondents of the Euro Chlor organization. WTA valves are manufactured in compliance with Euro-Chlor Specification and Chlorine Institute Pamphlet 6.



1. Bellows anti-torque device integrated position indicator for open and closed positions



4. Yoke separate from bonnet in form of a bridge mounted on pillars; pillars are through bolted, securely held with nuts



2. Safety gland packing made of PTFE silk; gland follower with double O-ring seal to prevent ingress of water into the packing area



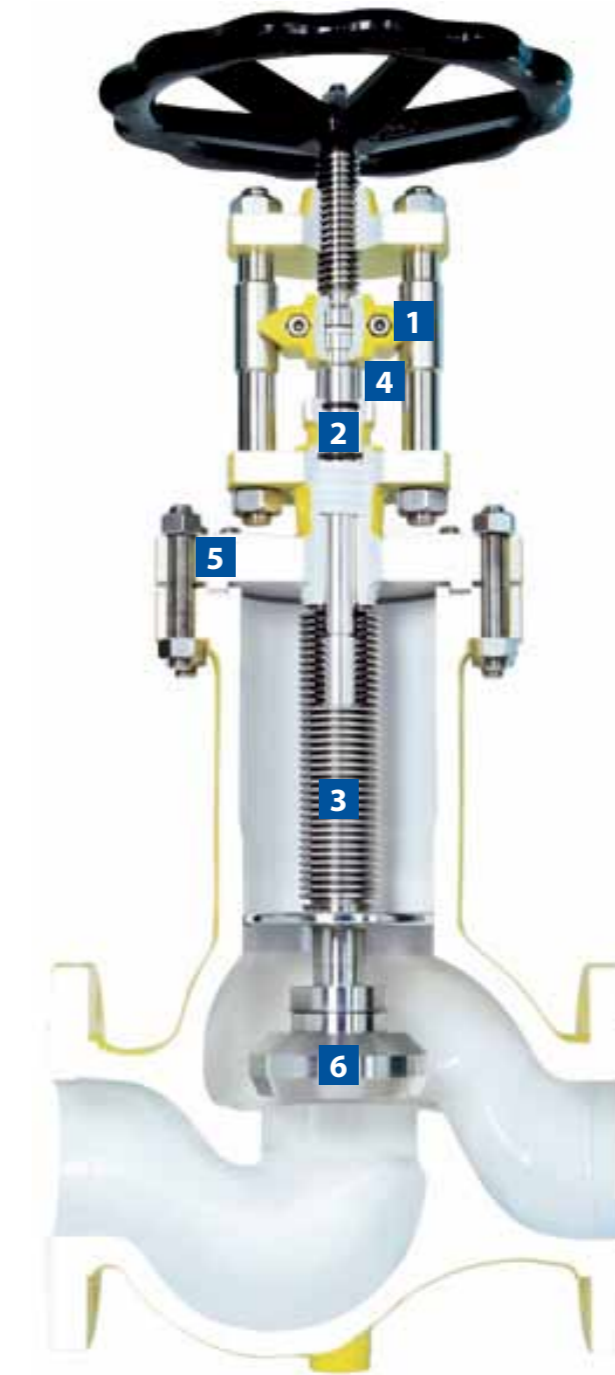
5. Bonnet flange in tongue and groove design; bolting by stud bolts made of 1.7225/A 320 Grade L7M with a nut at each end manufactured from 1.7218/A 194 Grade 7M; bonnet gasket with PTFE coating



3. Protected multiple wall bellows made of 2.4819/Hastelloy C276, designed for 10.000 cycles, installed beyond main flow area



6. Renewable disk with conical plug; sealing surface hard-faced with stellite 6; body seat hard-faced with stellite 21



Product Description

Chlorine bellows sealed globe valves with protected bellows and safety gland packing according to Euro Chlor recommendation GEST 89/140. Pneumatically actuated chlorine bellows sealed globe valve with protected bellows and safety gland packing according to Euro Chlor recommendation GEST 98/247

Typical Applications

Liquid chlorine and dry chlorine gas

Materials

Low temperature carbon steel 1.6220 / LCB / LCC
Other materials are available on special request

Size Range

DN 25, 40, 50, 80, 100, 150 / NPS 1", 1 1/2", 2", 3", 4", 6"
Other sizes are available on request

Compliance

Chlorine Institute Pamphlet 6 and Euro-Chlor Specification GEST 89/140 and GEST 98/247

Pressure Ratings

PN 40 and class 300
Other pressure classes are available on request

Body Configurations

Straight type

Special Options

Complete internals in 2.4819/Hastelloy C276 are available on request

End Connections

Flange design in accordance with EN 1092-1 and ASME B 16.5