

## Press Information

**Achema 2015**

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Utilizing the advantages of sliding gate valve technology in highly corrosive applications

### Sliding gate valves also available now in special materials

Sliding gate valves provide accurate, fast, and economical control of liquid, steam, and gaseous media. The following are the main advantages of these control valves:

- Compact design, minimal design space, and minimal weight
- Lowest actuation forces
- Favorable flow characteristics, variable Kvs values
- Short stroke for fast and dynamic control, outstanding rangeability, excellent control accuracy, and low energy consumption
- Extremely low leakage rate
- Insensitivity to cavitation and reduced noise emission
- Minimal wear
- Maximal differential pressures
- Can also be used at very high and very low temperatures

Up to now, the bodies of the sliding gate valves were only manufactured in carbon steel 1.0570 or 1.0619 as well as stainless steel 1.4571 or 1.4581. Starting immediately, sliding gate valves are also manufactured in the following special materials:

- Hastelloy
- Monel
- Titanium
- 1.4539 stainless steel
- Duplex steel

This means the advantages of these control and stop valves can also be utilized for processes with critical, aggressive, and highly corrosive media. Sliding gate valves in these special materials are available in finely graduated nominal sizes ranging from DN15 to DN250.

Valves built according to this design principle are extremely short and compact so that they have very low weights, it can be just 10% in comparison to traditional globe valves. Since the valve body is manufactured from barstock material, significantly less material is used, especially in the case of special materials, which is then naturally reflected in their price.

Altogether, sliding gate valves not only offer advantages for the process, but also an enormous potential for savings due to their low life cycle costs, and they can now be used in processes with very critical media as well. Schubert & Salzer Control Systems is exhibiting these sliding gate valves at the Achema 2015 in Frankfurt in Hall 11.1, Stand F46.

### Figure

Schubert & Salzer Control Systems sliding gate valves - in this case a DN150 valve with integrated positioner – are now also manufactured in special materials for critical applications.



### Contact:

Schubert & Salzer Control Systems GmbH  
Mrs. Theresa Bortenhauser, Postfach 10 09 07, D-85009 Ingolstadt,  
Germany  
Telephone: +49 (0)841 / 96 54-515  
t.bortenhauser@schubert-salzer.com  
www.schubert-salzer.com