

NEWSLETTER

January 2015

PTFE lined piping

In the chemical and pharmaceutical industry acid resistant piping material is very often required, combined with a certain operating pressure and temperature range, the material available is basically reduced to glass lined piping or the use of very expensive exotic material like hastelloy or tantalum.

Raschka Engineering owns a unique technology where high quality PTFE tube material is pulled into a SS304 support pipe and bent according to isometric drawings, this kind of technology minimizes the amount of flanges and allows for individual bending angles.

Raschka engineering's unique and proven technology with thousands of meter of straight and bent PTFE lined tubes installed in various chemical and pharmaceutical production lines.



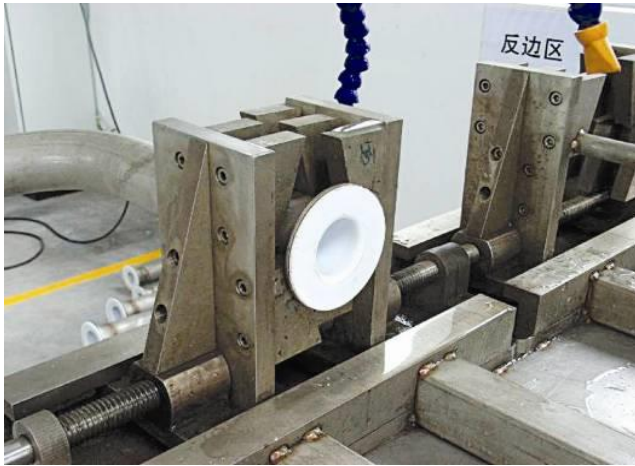
Pictures of manufacturing process



PTFE Lining



Bending



Ends forming



Labelling



Applying earthing bolt

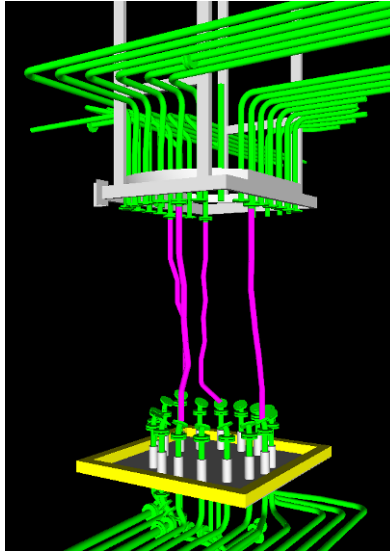


Piping on site

PTFE lined pipe & application example

Coupling station – available with PTFE lined pipes

When connecting tank farms to production units, especially in multi product facilities, different pipe connections may be required for different production campaigns. With a Raschka engineering coupling station various pipe connections and coupling combinations are possible.



3D model



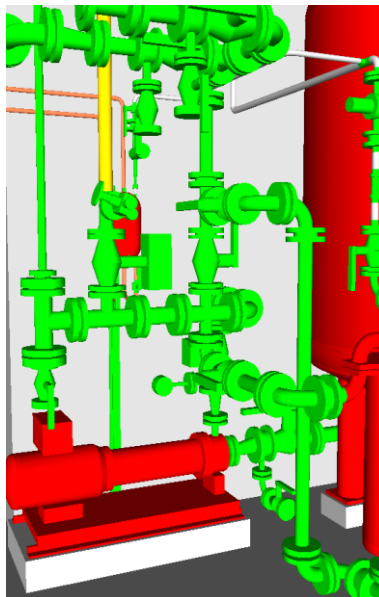
Installation on site

Coupling station with PTFE lined and bent tubes equipped with high quality flexible hoses

Pump installation with PTFE lined piping



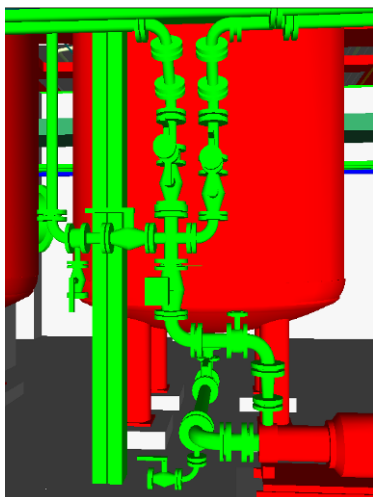
Piping on site



3D model



Installation on site



3D model



Installation on site

In this context, Raschka Engineering's service could include:

- Process engineering (establishing the right number of coupling stations)
- Layout drawings
- 3D planning
- Isometric drawings
- Pipe manufacturing, testing and documentation
- Supply of flexible PTFE hose with matching connections
- Installation, labelling and commissioning

Pls. discuss your requirements with our experts, we would be very happy to offer our support and find the best possible design for your needs.

An extensive service list is available on our website:
<http://www.raschka-engineering.com>



Raschka Engineering Ltd

Raschka Engineering Ltd. Liestal, Switzerland (previously known as Lonza Engineering) now reflects the superior and well known Raschka FBI technology in its name together with its wholly owned subsidiary Raschka Engineering & Consulting Co., Ltd, China provides customer oriented services with a professional, experienced and highly motivated engineering team. We have 20 years of successful project management experience in China which makes us a perfect partner for the chemical, pharmaceutical and biopharmaceutical industry. A board range of services with a project reference list underlining our capabilities is available upon request.

Raschka Engineering has successfully managed multiple complex projects such as continuous operating plants for the production of food and feed additives as well as active pharmaceutical ingredient plants including waste gas and liquid waste treatment facilities.

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