



NAUE GmbH

Sondermaschinen - und Filterbau

Am Rotböhl 5
64331 Weiterstadt

Tel. 0 61 50 / 97 38 0
Fax. 0 61 50 / 70 18

NAUE-Aseptic Technology

Aseptic Flanges

with seal face protection and twin O-ring

Sterility and cleanliness in Biotechnology and Pharmacy can only be realized permanent by using construction elements with most optimal method of construction. The Naue-aseptic flange is one of these construction elements.

The present aseptic flange is a perfect tube connection which can be used in Bio-Chemistry, Chemistry (for dangerous or sensitive products).

- The Naue-aseptic flange can be used for the production of durable tube connections.
- The Naue-aseptic flange can transduce force which makes it extremely suitable for long and big pipelines.
- The construction of the aseptic flange is such that the O-ring ends in line with the inner surface of the tube. We herewith avoid inner gaps, reduction of the cross section, deep edges and cracks.
- A second O-ring which is on the outer projection of the aseptic flange works dynamical. In case of loose screws, there is always a closeness of the tube system. The space between both O-rings can be admitted with steam or connected via a measuring connection piece with a control system.
- It is chemically extremely resistant.
- Standard material is 1.4571 and 1.4435, on request 1.4539 and Hasteloy C4 etc.
- As seal material any O-ring quality can be used. EPDM is standard
- Annoying retightening of the connection after the sterilization respectively fluctuation of temperature can be omitted.
- The aseptic flange is dimensioned in such a manner that the O-ring can only be deformed defined and not be damaged.
- All pipeline forces are absorbed by the aseptic flanges without any effect on the seal.
- It is internationally introduced.
- It is compression-proved up to 16 bar.
- It is TÜV-type proved.
- It is available from DN 6 up to DN 400 in DIN and ISO, as well as in the American OD-tubing series from 1/4" up to 4".
- It is available in short version (standard) for manual welding as well as in long version (orbital) for automatic welding.
- In comparison with traditional flanges, the aseptic flange is much smaller.
- The piping system can be pigged.
- It is favourable. The additional expenses for this connection are compensated by savings in fabrication.
- The aseptic flanges are provided with surface protection, which avoid a damage of the seal surfaces. If there is a damage of the surface protection, this will not influence the closeness.
- The following accessories to complete your product mix are also at your disposal: Diaphragm manometers, stainless steel sheathed PTFE tubes, silicone sheathed tubes etc.



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Bitte beachten Sie, daß NAUE-Steril-Rohrverbindungen präzise gefertigte Qualitätsprodukte sind, die in ihrer Gesamtheit die optimalste Verbindung darstellen.

WICHTIG ist hierbei der Einsatz von

„Präzisions-O-Ringen“

Ersatz-O-Ringe sollten Sie deshalb direkt bei der Firma NAUE GmbH bestellen.

Ein Einsatz von O-Ringen anderer Lieferanten ist nur nach erfolgter Maßkontrolle statthaft.

**Technische Beratung erhalten Sie bei uns
kostenlos unter Tel.: 0 61 50 / 97 38 - 0**