



# Hygienic Design.

Standard Parts for Extremely Hygienic Requirements.

## Advantages

- Greater productivity thanks to reduced cleaning effort
- Conserved resources thanks to lower requirements for fresh water, cleaning agents and energy
- Less wastewater
- Overall cost savings

In the food industry, medical technology and the pharmaceutical industry, an increasing emphasis is placed on product safety, consumer protection and legal aspects.

In response to these requirements, Ganter has extended its range by the Hygienic Design product family, which meets the strict requirements of the 3-A Sanitary Standards and EHEDG.



## Surfaces

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In terms of quality ( $Ra < 0.8 \mu m$ ) and geometry, the surfaces of the standard parts are designed so that few dirt particles can adhere, which makes them very easy to clean.

## Seals

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The primary function of seals is to protect dead spaces, gaps or cracks from the ingress of cleaning liquids or product residues. For this, a defined preload or pressing of the seals and wipers is necessary for a reliable and permanent seal in the installed condition. A sealing concept based on FEM calculations ensures reliable contact pressure after installation. The seals are FDA and EU compliant.



### Sealing ring

Flat sealing (static), seals the adjustable sleeve against the mounting surface.

### Wiper

Rotatable and movable in axial direction, seals the adjustable sleeve against the spindle shaft.

### Joint sealing ring

Movable in two planes, seals between ball and spindle.

### Bottom seal

Flat sealing (static), seals the base plate against the installation surface.



All standard parts of the Hygienic Design product family are labeled with this icon.