



VESTA® Sterile Valves

Nominal widths up to DN 65, 2 1/2" OD, ISO 76.1



Pure valve technology made by GEA Tuchenhagen

Process Equipment

GEA Tuchenhagen

VESTA® Sterile Valves

The VESTA® sterile valve program is available in the nominal sizes DN 10 - 65, ISO 13.5 - 76.1 and OD 1/2" - 2 1/2" (ASME BPE).

Accordingly now the well known variants of the VESTA® program are offered for all sterile process applications.

Of course all VESTA® sterile valve sizes are offered with its unique features of an innovative design:

- Patented bellows sealing system
- Easy and safe maintenance
- 100% self-draining
- Dead space-free design
- EHEDG approved and certified



VESTA® sterile valve with T.VIS® V-20 monitoring system

The extended range of nominal widths

Additional nominal widths have been added to the VESTA® valve program in the three well-known pipe standards **DIN / ISO / OD**.

The extended program comprises the following sizes:

- DIN - pipe standard DIN 11866, series A
DN 32, 40, 50 and 65 (optional up to DN 100)
- ISO - pipe standard DIN 11866, series B (DIN EN ISO 1127)
42.4x2, 48.3x2, 60.3x2 and 76.1x2 (optional up to ISO 114.3)
- OD - pipe standard DIN 11866, series C (ASME BPE 2005)
1 1/2", 2" and 2 1/2" (optional up to 4" OD)

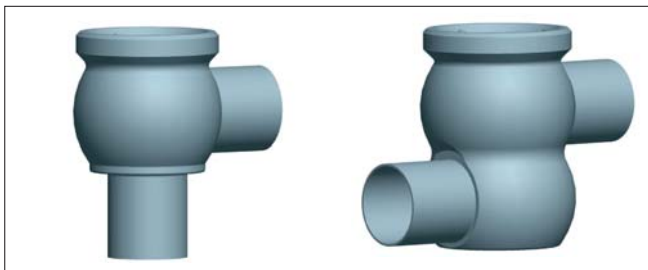
The valve body

The valve bodies of the extended VESTA® series are also manufactured from 1.4435 (AISI 316L) stainless steel (solid material) and are supplied with a material certificate according to EN 10204 / 3.1.

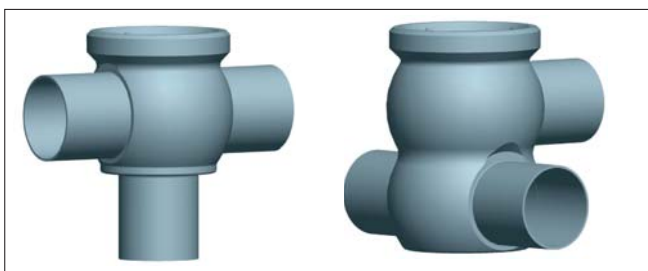
Higher-grade materials (e.g. 1.4539 / Hastelloy) are available on request.

All VESTA® valve bodies are prepared for orbital welding in different variants.

For special applications (e.g. sampling from a closed circular pipeline) is the body type C available in a mix-matched and in a mix-matched tangential version.



VESTA® housing type L / B



VESTA® housing type T / C



VESTA® sterile valve with proximity switches



VESTA® sterile valve with stainless steel actuator

VESTA® Sterile Valves



PTFE bellow

PTFE bellows- the core element

The core of the VESTA® Sterile Valve, also in the larger nominal widths, is the PTFE bellow made of ®Hostaform TFM 1705.

The patented “bellow sealing” enables that the valve interior is hermetically sealed from the surrounding atmosphere in all processing phases including critical zones.



VESTA® sterile valves with plastic, stainless steel and manual actuator

The actuator systems

Like for the smaller sizes, three different actuator variants are available for the extended VESTA® program:

- Single-active, spring-forced pneumatic actuators made of stainless steel or synthetic material
- Manual actuators for manual processes

The product name VESTA® stands for innovative design.

The benefits of the new design are: Hermetical and safe sealing of the valve interior by a patented sealing system, high bellows durability, actuator systems made of high-grade synthetic material or stainless steel, and easy maintenance.



Process Equipment

GEA Tuchenhagen GmbH

Am Industriepark 2-10, 21514 Büchen, Germany

Phone +49 4155 49-0, Fax +49 4155 49-2423

sales.geatuchenhagen@geagroup.com, www.tuchenhagen.com