



GEMÜ B44  
pneumatically operated



GEMÜ B54  
motorized



GEMÜ B24  
manually operated

## Sanitary ball valves for stringent requirements GEMÜ BB04, B24, B44 and B54

### Areas of application

- Pharmaceutical, biotechnology and cosmetics industries
- Foodstuffs and beverages
- Water treatment
- Steam processing
- CIP/SIP processes
- Waste water treatment
- Storage and distribution
- Drying

### Features

- 1.4435 material with checked delta ferrite proportion < 3%
- Media wetted surfaces according to ASME SF5 ( $Ra \leq 0.51 \mu m$ )
- FDA, USP Class VI and Regulation (EU) No. 10/2011 compliant seal materials
- 3.1 Certificates for all media wetted components
- Top flange ISO 5211 for simple actuator mounting
- Butt weld spigots in extended orbital welding design

## Description

The three-piece 2/2-way GEMÜ BB04, B24, B44 and B54 metal ball valve series is particularly suited to applications in the supply sector for the pharmaceutical, foodstuffs processing and biotechnology (such as water treatment and sterile steam generation) industries thanks to the 1.4435 stainless steel alloy material composition used (compliant with 316L) with a low delta ferrite proportion of < 3%.

Only those plastics which are compliant with FDA, USP Class VI and Regulation (EU) No.10/2011 are used for the seals.

- With bare shaft: GEMÜ BB04
- Manual: GEMÜ B24
- Pneumatic: GEMÜ B44
- Motorized: GEMÜ B54

## Technical specifications

- **Media temperature\*:**  
-10 to 220 °C
- **Ambient temperature:**  
-20 to 60 °C
- **Operating pressure\*:**  
0 bis 63 bar
- **Nominal sizes:**  
DN 8 to 100
- **Body configurations:**  
2/2-way body
- **Connection types:**  
Clamp | Spigot
- **Connection standards:**  
ASME | DIN | ISO | SMS
- **Body materials:**  
1.4435 (316L), investment casting material
- **Seal materials:**  
PTFE
- **Conformities:**  
ATEX | EAC | FDA | Reg. (EU) No. 10/2011 |  
Regulation (EC) No. 1935/2004 |  
TA Luft (German Clean Air Act) | USP

\* depending on version and/or operating parameters

**certified**  
FDA, USP Class VI  
and Regulation (EU)  
No. 10/2011 compliant  
seal materials

**competent**  
Media wetted inside  
standard electro-  
polish according  
to ASME SF5  
( $Ra \leq 0.51 \mu m$ )

**high quality**  
1.4435 investment  
casting with low ferrite  
< 3 % for body, ball and  
end caps

**automation-capable**  
ISO 5211 top flange  
for simple actuator  
mounting

**Variable**  
Different connection  
options, weld spigots  
in extended orbital  
welding design

**qualitative**  
Design according  
to DIN12516-2,  
ASME 16.34

