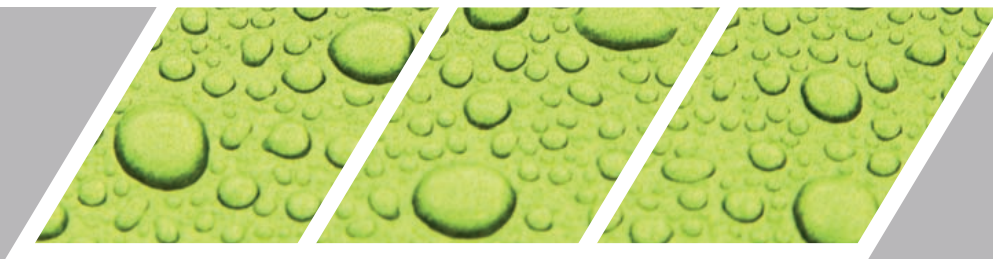


# Hygienic Ball Valves



Member of NEUMO-Ehrenberg-Group

## Hygienic AWH Ball Valve

The hygienic AWH ball valve for demanding, sensitive and viscous products. The AWH ball valve was developed for demanding processes and sensitive media in cooperation with our customers. The fully floating ball is located between two seal rings, thus providing double safety against product cross contamination. It is applied particularly for products, which are incompatible with each other, as they occur with the dairy and beverage industry. Here, reliable separation between the valuable product and CIP media is of particular importance. Leakages can be reliably identified and drawn off by the rinse nozzles located in the housing.

The modular design allows the extension of the hygienic ball valve to a leak-proof double-seat valve with leakage rinsing in wafer design. If heating of the product is required, a unique, heatable housing is provided. AWH ball valves have a free flow cross section, which makes them very suitable for the application of particularly sensitive products and of course also for pigging. Thanks to the high accuracy of operation, damage or wear of the pig is prevented during transit, which results in very long operating times. The compact design makes AWH ball valves particularly suitable to avoid long stub lines in pipe elbows without dead spaces.

### Good Reasons

- hygienic design
- 100% opening cross section
- no direction change, minimum flow loss
- pressure hammer resistant
- pigable
- reliable operation
- modular design
- safe seal seating

## CIP-Cleaning

The ball valve is integrated into the automatic CIP circuit. The hygienic ball back room is efficiently purified by a sequential shift during the program.



AWH Ball Valve  
Construction and Benefits

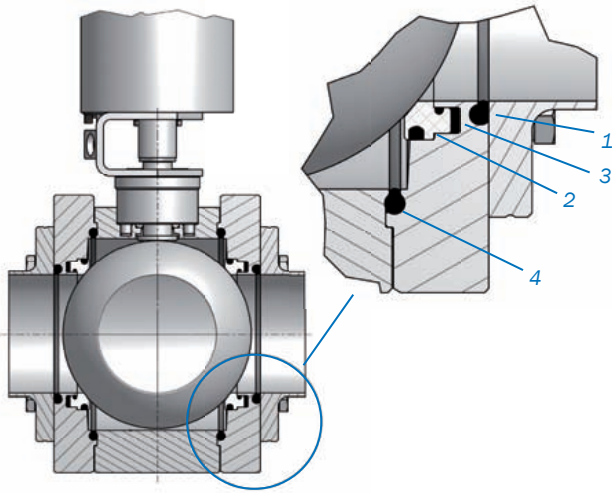
## Designs

The hygienic ball valve is constructed on a modular basis and compatible with all options from the AWH valve program. The drive is the maintenance-free rotary drive from the AWH disk valve program. The drive can be supplemented by the control head in ASI or 24 VDC coupling, as well as with a stainless steel position indication bracket with integrated initiator receptor.

For use in the chocolate industry, we offer an advance of the sealing system, which responds to the specific needs of this complex product. Please contact us.

## Options for Connection

- welding end
- welding end with intermediate flange
- threaded fitting acc. to DIN 11851
- flange connection acc. to DIN 11853 / 11864



### AWH Sealing System

1. aseptic seal in wafer design
2. support ring with guidance and hygienic sealing
3. flexible compensation ring
4. aseptic sealing with centering groove



## Optionally with

- heatable housing
- with rinsing connections

## Technical Data

### Sizes

acc. to DIN 11850, series 2, DN 40 - DN 100

### Materials

product-affected 1.4404  
not product-affected 1.4307

### Seals

PTFE / EPDM / FKM

### Surfaces

product-affected Ra < 0,8 µm  
metallic bright

### Product pressure

max. 10 bar

### Product temperature

max. 120 °C

### Sterilization temperature

max. 135 °C  
(temporarily 150 °C, 30 min)

### Drive

3 - 8 bar

### Design

normally open/normally closed

AWH Ball Valve  
Technical Data



Armaturenwerk Hötensleben GmbH  
Schulstr. 5-6  
D-39393 Hoetensleben

Tel.: +49 39405 92-0  
Fax: +49 39405 92-111  
e-mail: info@awh.de  
<http://www.awh.de>

## NEUMO-Ehrenberg-Group

