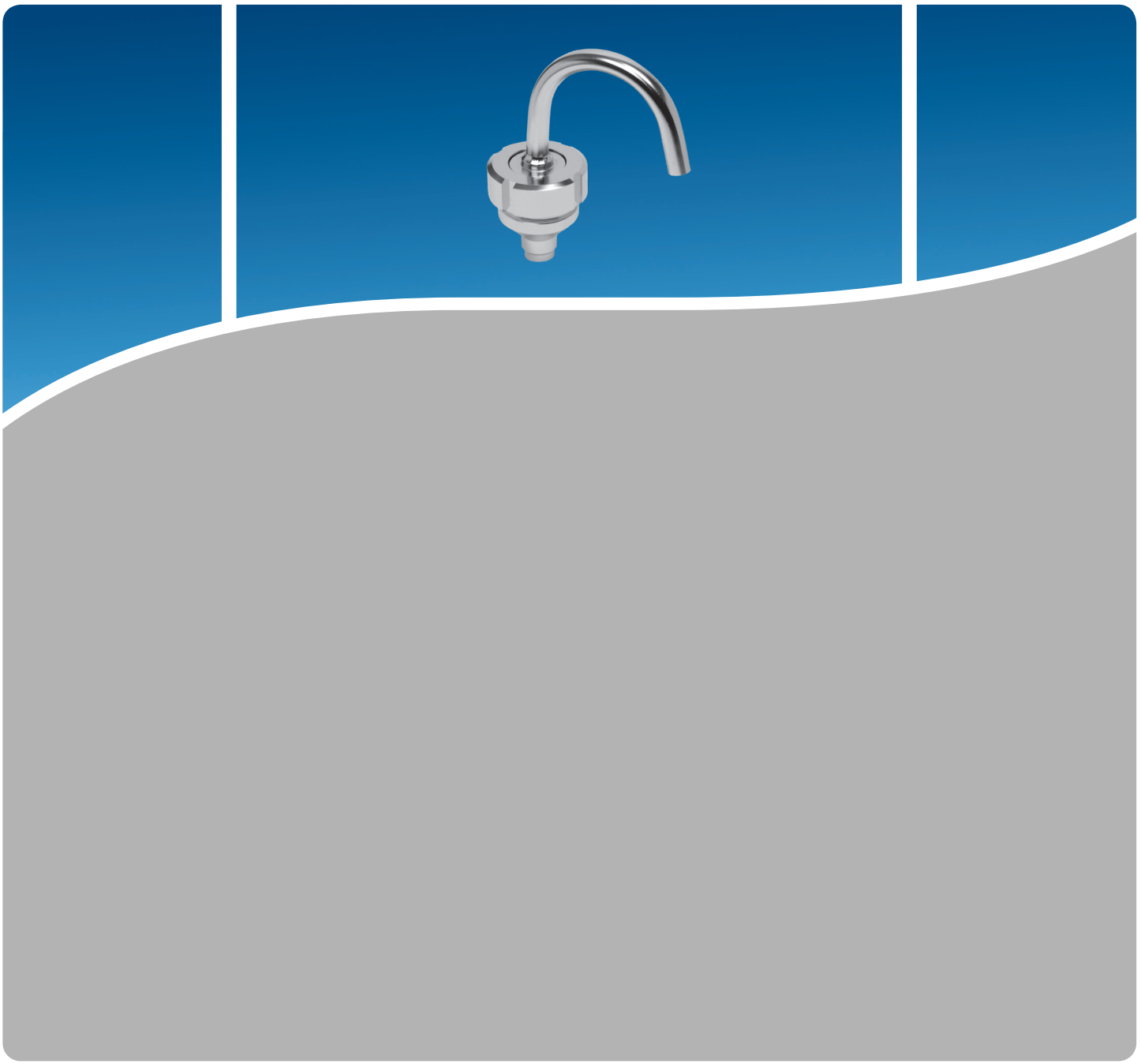
AWH
NEUMO Ehrenberg Group

# Ventilation Valve



## Ventilation Valve

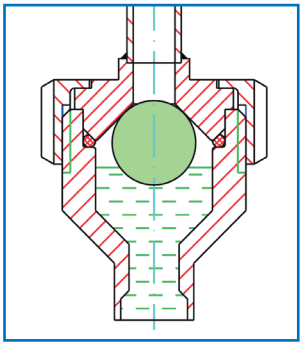
The AWH valve concept combines functionality and cost awareness. The mode of operation of this AWH valve is determined by the interchangeable bottom valve body.

**Cash in on our production advantages.**

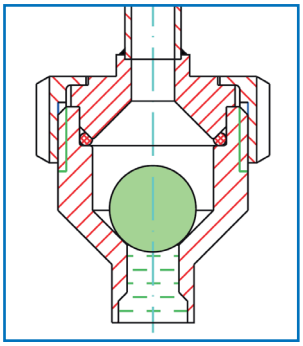
## Functionality

### Air bleed valve

On the principle of a double seat valve, a freely moveable ball of a smaller density than water acts as the controlling device. When open, the air can escape.



With a rising liquid level the floating ball is pressed against the upper seat of the seal, automatically closing the valve.

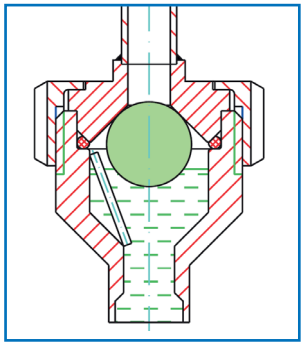


In case of negative pressure, the gravitational force causes the ball to fall into the bottom seal seat, thus preventing a drop of the liquid column.

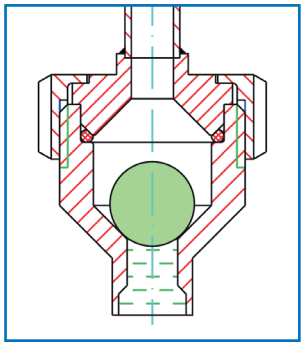
Typical fields of application are the deaeration of pipes or the suction hose of a pump. In the latter case the pump is prevented from siphoning air during commissioning.

### Ventilation valve

The valve works on the principle of a simple seat valve. The freely moveable ball with a density smaller than water acts as the controlling device.



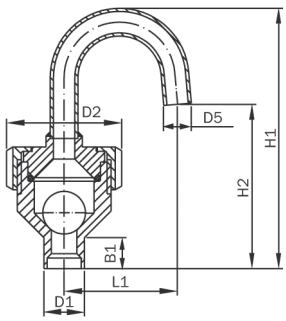
With a rising liquid level the floating ball is pressed against the upper seat of the seal and automatically closes the valve.



In case of a falling level of the liquid column, however, the air can flow past the ball unimpeded and thus prevent the build-up of a vacuum (ventilate).

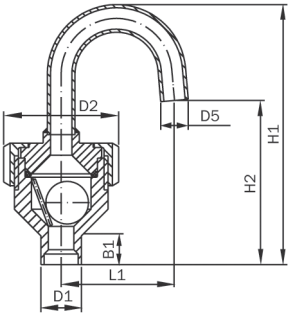
This version is primarily employed in tank construction. It ensures that no liquid leaks from the container during filling while guaranteeing a complete filling and the unobstructed emptying of the container.

## Products and Dimensions




| Art.no. | Designator |
|---|---|
| 430141002 | Air bleed valve |
| 430141042 | Ball for valve |
| 112900431 | EPDM seal |

| DN DIN | D1 | D2 | D5 | L1 | B1 | H1 | H2 | Gew. |
|---|---|---|---|---|---|---|---|---|
| 15 | 19 x 1.5 | 54 | 12 x 1 | 77 | 14.5 | 133 | 77 | 0.47 |

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## Standard Design

The upper and the bottom parts are screwed together with a standard groove nut. The bottom section is equipped with a welded connection. The vent pipe at the upper section can be pivoted to any position.

**Materials:**

Stainless steel: AISI 316L / 1.4404 polished
Ball: PP material
Sealing ring: EPDM

**Tecnical Data:**

Liquid pressure: 10 bar
Temperature: < 90 °C
Ball density: 0,906 kg/dm³

### Important information for a flawless operation:

- The ball density must be lower than the density of the product.
- The valve has to be installed in a vertical position.
- The valve is primarily suited for use with water.
- The liquid must not tend to create any adhesive effect and the PP ball has to be resistant to it.

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

Tel: +49 39405 92-0
Fax: +49 39405 92-111
E-Mail: info@awh.eu
http://www.awh.eu

## NEUMO Ehrenberg Group