

# Data Sheet Sampling Valves



### Hygienic EHEDG-Certified Sampling Valve



Cross-Section of sampling valve with optimized valve seat and rinse connection

We make hygiene affordable. This is now also backed up by the enhanced AWH sampling valve. When it comes to determining taste, appearance, and microbiological and chemical values, taking accurate samples is paramount.

Our EHEDG-certified sampling valve was specially designed for this purpose. An EHEDG inspection certificate further underlines how easy it is to clean. This means your products will not be contaminated when used properly.

The new AWH sampling valve comes in four different versions with a variety of connection types for a wide range of applications: whether in the weld-in, weld-on, screw-in, or clamp-socket version. An optional rinsing connection can be attached for all versions.

### Technical Data

<b>Material:</b>	contact with product: 1.4404 (316L)
<b>Surfaces:</b>	contact with product: Ra ≤ 0.8 µm
<b>Operating pressure:</b>	max. 10 bar / 145 psi
<b>Permissible operating temperature:</b>	max. 80 °C / 176 °F CIP cleaning up to 90 °C / 194 °F max. unswitched, short-term 30 min. SIP cleaning up to 135 °C / 275 °F max. unswitched, short-term 30 min.
<b>Actuation:</b>	manual
<b>Seal ring:</b>	PTFE bellows
<b>Product sampling:</b>	DN8 (10 x 1 mm) pipe, others upon request
<b>Steam rinse port:</b>	DN8 (10 x 1 mm) pipe optional, others upon request

## Pneumatic Sampling Valve



*Pneumatic sampling valve*

With the hygienic, pneumatic compact air sampling valve, there is also an automatic sampling system with additional manual actuation in the AWH portfolio.

The sampling valve has a clamp connection in accordance with DIN 32676 and is compatible with the AWH Connect tank connection flange system. Our design is based on the tried-and-tested hygienic sampling valve with manual operation.

Upon request, an optional flushing connection can be attached for this version. This means that a connection to an automated CIP/SIP system is possible. In addition to the various predefined versions in the AWH sampling portfolio, customer-specific solutions can also be implemented.



*Pneumatic sampling valve connected to AWH-Connect*

## Technical Data

<b>Material:</b>	contact with product: 1.4404 (316L)
<b>Surfaces:</b>	contact with product: Ra ≤ 0.8 µm
<b>Operating pressure:</b>	max. 8 bar / 116 psi
<b>Permissible operating temperature:</b>	max. 80 °C / 176 °F CIP cleaning up to 90 °C / 194 °F max. unswitched, short-term 30 min. SIP cleaning up to 135 °C / 275 °F max. unswitched, short-term 30 min.
<b>Activity:</b>	Pneumatically and manual
<b>Seal Ring:</b>	PTFE bellow
<b>Product sampling:</b>	DN8 (10 x 1 mm) pipe, others upon request
<b>Steam rinse port:</b>	DN8 (10 x 1 mm) pipe optional, others upon request
<b>Connection:</b>	clamping piece in accordance with DIN 32676 Plate diameter 34 mm

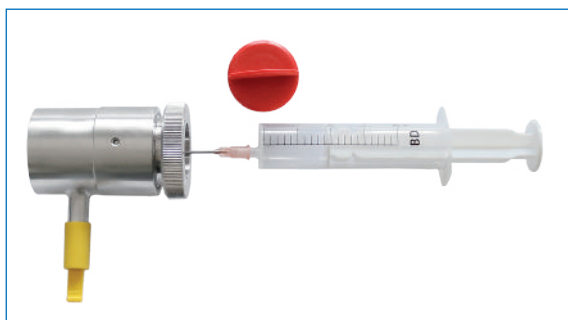
### Vario Sampling Valve



The AWH Vario version is a sampling valve that can take product samples in two ways. Firstly, in the conventional way using the sampling tube;

In addition, by means of a cannula, which is pushed through the membrane to take samples via a syringe or tube. The multiple-use membrane automatically closes when the cannula is withdrawn. Contamination from outside is thus reduced to a minimum.

Sampling valve Vario DN40 weldon



Sampling valve Vario DN40 weldon with syringe

### Technical Data

<b>Material:</b>	contact with product: 1.4404 (316L)
<b>Surfaces:</b>	contact with product: $Ra \leq 0.8 \mu m$
<b>Operating pressure:</b>	max. 4 bar / 58 psi
<b>Sampling with a cannula:</b>	max. 2 bar / 29 psi (Please read carefully the chapter "Sampling by cannula" in the operating instructions.)
<b>Permissible operating temperature:</b>	max. 80 °C / 176 °F CIP cleaning up to 90 °C / 194 °F max. unswitched, short-term 30 min. SIP cleaning up to 135 °C / 275 °F max. unswitched, short-term 30 min.
<b>Seal ring:</b>	Membrane: EPDM, FKM and silicone
<b>Product sampling:</b>	DN8 (10 x 1 mm) pipe, others upon request
<b>Connections:</b>	Welded version for pipe DN15 (19 x 1.5 mm) Welded version for pipe DN40 (41 x 1.5 mm) External thread R 1/2"

### ECO Sampling Valve



ECO sampling valve with R 1/2" external thread

The AWH ECO version is the economical entry into the AWH product portfolio. Suitable for product sampling of fluids from tanks and pipelines in systems of the food and beverage industry. The sampler is available in screw-in and weldon versions. It is sealed with a PTFE stopper that closes near the product.

### Technical Data

<b>Material:</b>	contact with product: 1.4404 (316L)
<b>Surfaces:</b>	contact with product: Ra ≤ 0.8 µm
<b>Operating pressure:</b>	max. 10 bar / 145 psi
<b>Permissible operating temperature:</b>	max. 80 °C / 176 °F CIP cleaning up to 90 °C / 194 °F max. unswitched, short-term 30 min. SIP cleaning up to 135 °C / 275 °F max. unswitched, short-term 30 min.
<b>Actuation:</b>	manual
<b>Seal ring:</b>	plugs: PTFE, O-Ring: EPDM
<b>Product sampling:</b>	Hose connection (OD 10 mm) Inside diameter approx. 6.5 mm
<b>Connections:</b>	Welded version for pipe DN15 (29 x 1.5 mm) External thread R 1/2"



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