

## Aseptic filling valve AF

### Functionality

Aseptic filling valves are used for the monitored opening and closing of pipelines in aseptic processing plants. A welded stainless steel folding bellow is used to hermetically seal the valve spindle from outside contamination. This special design and the durable valve seat seal made of Tefasep® enables optimum process security. Due to their extended bellow design, aseptic filling valves are ideal for plants with high valve stroke frequencies, such as bottling plants.

### Use

- Valves are designed for use in the food, dairy and beverage, pharmaceutical, chemical, and cosmetics industries
- Used as a safe, reliable, and robust dosing device at very high valve stroke frequencies in aseptic process and production plants
- The modular valve design allows integration into diverse process applications
- Operating temperatures up to +150°C (+302°F), optionally increased up to +240°C (+464°F)
- CIP (Cleaning-In-Place) and SIP (Sterilizing-In-Place) capable, up to +160°C (+320°F)
- Suitable for applications with caustic or toxic products

### Design Characteristics

- Modular design, consisting of the three main components: housing, internal assembly, and actuator
- The actuator and internal assembly are connected to the housing with a three-piece clamp
- Low-maintenance, service-friendly, and hygienic design
- All product contact surfaces are made of AISI 316L stainless steel (materials certificate available upon request) with a surface finish of 0.8 µm Ra that meets all common hygienic standards
- Complete actuator made of stainless steel
- Customer-specific materials and surface finishes available upon request
- Valve connections can be provided with aseptic flanges, screw connections, or clamps

### Valve Housing

The housing is available as a bottom-seat variant with either two or three port connections. The valves are produced with standard butt-weld connections by default.

### Internal Assembly

The internal assembly is available with a shrunk-on or screwed-on valve seat seal. In addition to the standard sealing material Tefasep®, other material options (PTFE, EPDM, Viton etc.) are available.

### Actuator

The standard version of the pneumatic actuator is designed as spring-closing / air-opening (NC). Other designs are air-closing / spring-opening (NO) and air-closing / air-opening (LL).

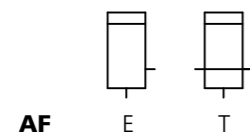
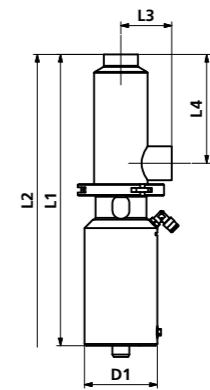
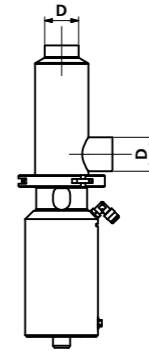
### Dimensions of the pipe connections (acc. to DIN 11866)

DIN 11866 A (DIN 11850)					
Dim. Ø x s (mm)	29x1.5	41x1.5	53x1.5	70x2	85x2
DIN 11866 B (ISO)					
Dim. Ø x s (mm)	33.7x2	48.3x2	60.3x2	76.1x2	88.9x2.3
	1"	1½"	2"	2½"	3"
DIN 11866 C (OD)					
Dim. Ø x s (mm)	25.4x1.65	38.1x1.65	50.8x1.65	63.5x1.65	76.2x1.65
Dim. Ø x s (inch)	1.0x0.065	1.5x0.065	2.0x0.065	2.5x0.065	3.0x0.065

### Dimensions of the aseptic filling valve AF

DN	25	40	50	65	80
D1	86	86	106	106	144
L1	303	351.5	461.5	461.5	523
L2	397	495	648	648	735
L3	60	60	90	90	100
L4	95.1	128.5	181	172.5	174.5

Other nominal diameters available upon request



Aseptic filling valve with pneumatic actuator