

Alfa Laval Unique Sampling Valve - Accessories - Non Return Valve

Sampling valves

Introduction

The Alfa Laval Non-return Valve is a hygienic sampling accessory for backflow protection when using with the Alfa Laval Unique Sampling Valve. It is a spring-loaded, non-return valve that prevents backflow of product from the sampling valve into the steam line when performing steam sterilization.

Application

This non-return valve for backflow protection is designed for automated processes when using the Unique Sampling Valve in applications across the food, beverage, personal care, pharmaceutical and many other industries.

Benefits

- Highly reliable
- Easy to install
- Protection for sampling valve and process equipment

Standard design

This non-return valve for use with the Alfa Laval Unique Sampling Valve consists of a nut, inlet piece, o-ring, piston, guide ring, spring, body and plug.

Working principle

The Alfa Laval Non-Return Valve is used when performing steam sterilization on the Alfa Laval Unique Sampling Valve. The non-return valve allows steam to pass through the sampling valve and blocks the product when taking a sample.



TECHNICAL DATA

Temperature	
Temperature range:	1°C - 130°C
Max. sterilisation temperature, dry steam:	130°C

Pressure	
Max. working pressure:	600 kPa (6 bar)
Min. working pressure:	0 kPa (0 bar)

PHYSICAL DATA

Materials	
Product wetted parts:	1.4404 (316L), PVDF
Other parts:	1.4301 (304)

Dimensions (mm)

Size 4 and 10:

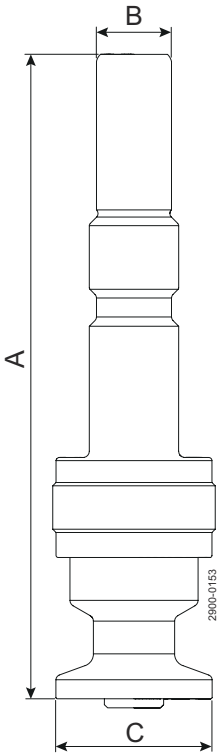


Figure 1. For steam generator

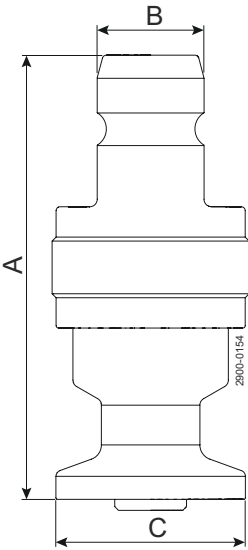


Figure 2. For Quick connection

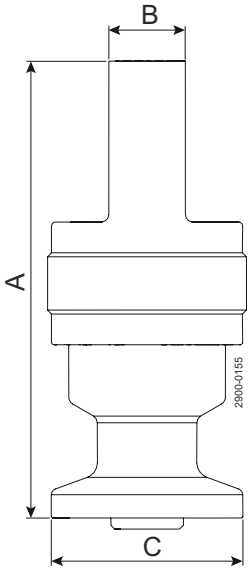


Figure 3. For tube welding

Size 25:

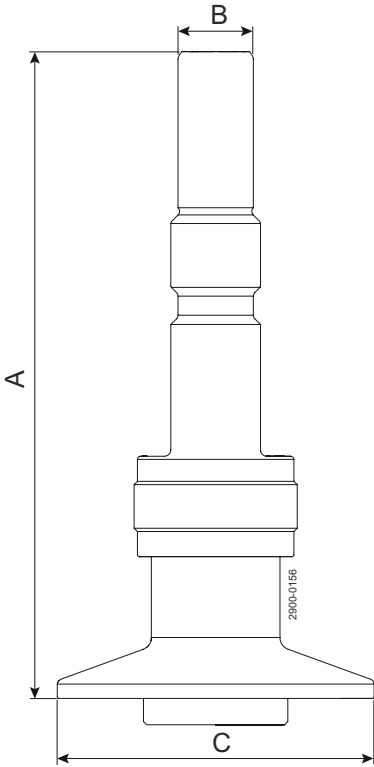


Figure 4. For steam generator

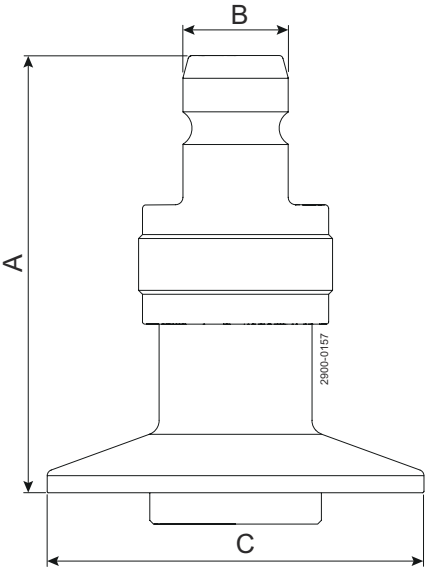


Figure 5. For Quick connection

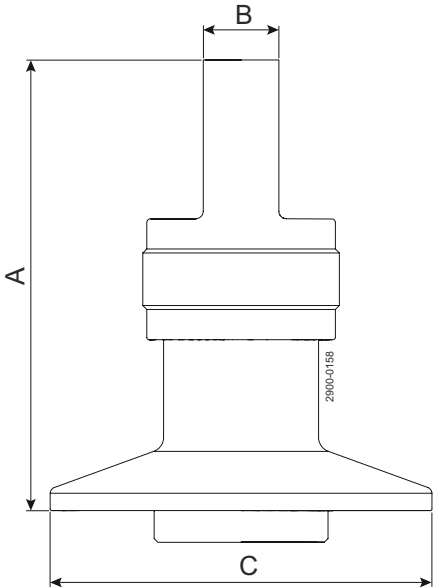


Figure 6. For tube welding

Inlet size	Size 4 and 10			Size 25		
	A	B	C	A	B	C
For steam generator	103.1	12	25	103.1	12	50.5
For Quick connection	58.6	14	25	58.6	14	50.5
For tube welding	59.6	10	25	59.6	10	50.5

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