

# CLAMP valves and accessories

## Model **63463** Clamp check valve EPDM gaskets 316L stainless steel



### Specifications

**Dimensions:** DN25 to DN76 (1" to 3")

**Connection:** to be welded

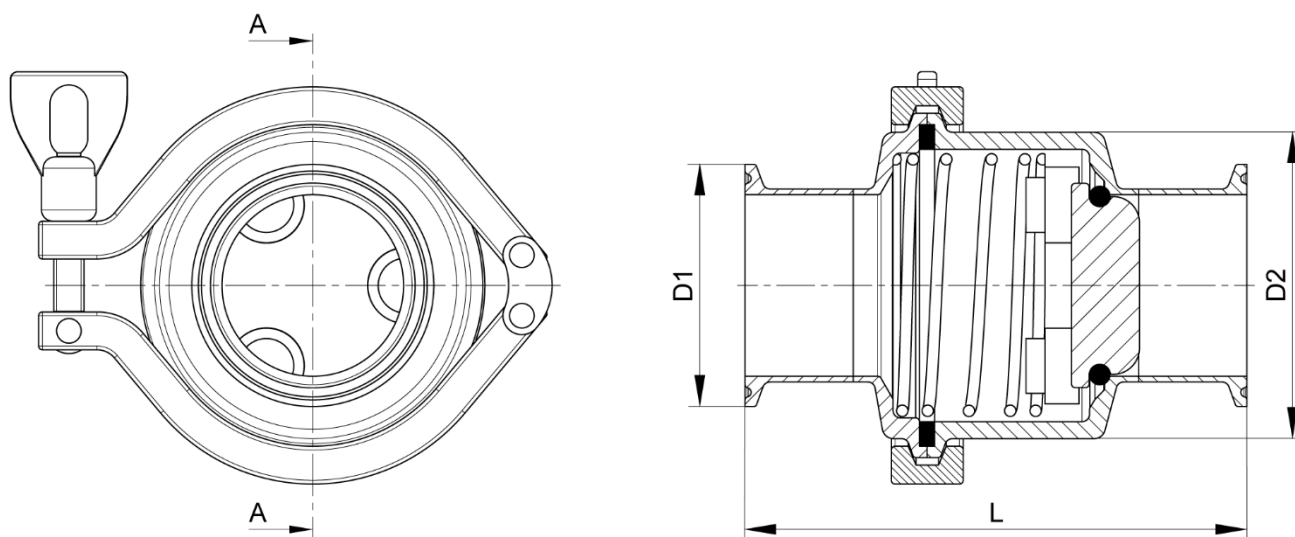
**Max. operating pressure:** 10 bar

**Temperature:** -20°C to +130°C

**Material:** 316L stainless steel

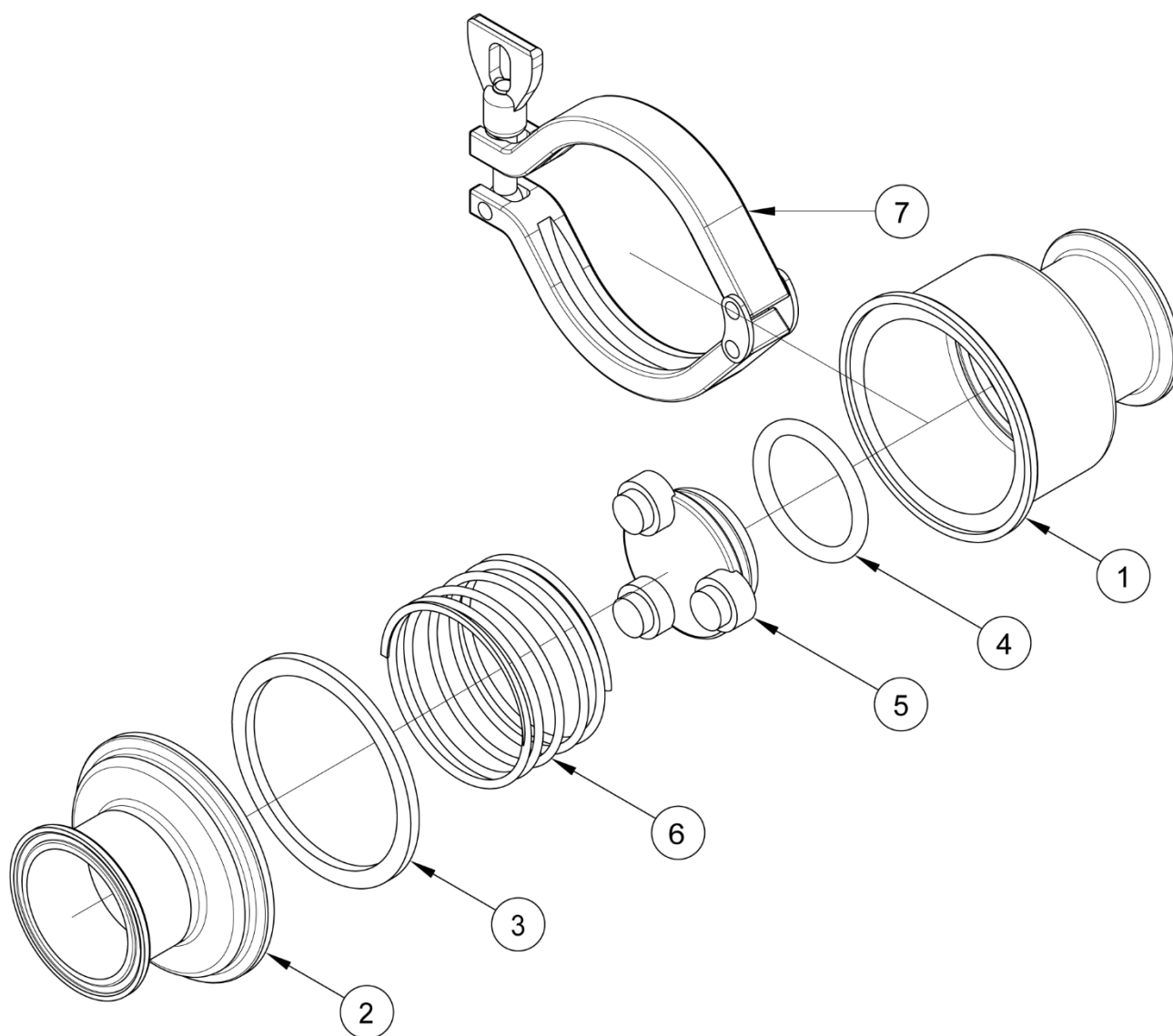
EPDM gaskets

FKM gaskets on request



**A-A CROSS SECTION**

DN (mm)	NB (inches)	D1 (mm)	D2 (mm)	L (mm)	Opening pressure (bar)	Weight (kg)	Part number SS 316L
25	1"	50.5	40	112	112	0.68	663463-25SG
38	1"1/2	50.5	66	122	70	1.21	663463-38SG
51	2"	64	83	133.5	22	1.94	663463-51SG
63	2"1/2	77.5	96	136	22	2.21	663463-63SG
76	3"	91	120	140.5	48	3.04	663463-76SG



N°	Part Name	Material
1	UPPER BODY	AISI 316L
2	LOWER BODY	AISI 316L
3	GASKET	EPDM OR FKM
4	O-RING	EPDM OR FKM
5*	CHECK VALVE	AISI 316L
6*	SPRING	AISI 316L
7	CLAMP	AISI 304L

\*from DN38 to DN76, the spring is held onto the check valve by spot welds.

## Assembly and maintenance instructions

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### Installation

When you install the check valve make sure that the arrow on it is pointing in the direction in which fluids will pass through it.

You can install it horizontally or vertically (for fluids moving upwards).

To make sure that the check valve can work optimally:

You must install the check valve sufficiently far away from any zones of turbulence generated by the piping (elbows, reductions, etc.) or by any another apparatus (pumps, etc.). You can do this by installing straight pipes (that are each at least 4 to 5 times longer than the check valve's DN) in front of and behind the check valve.

Check that there is enough space and there are enough valves to isolate this section so that you can carry out maintenance operations where you are planning to install the check valve.

Check that the installation is clean and free from foreign bodies that could damage the check valve.

Check that all piping is perfectly aligned and that the piping support structure is dimensioned so that the check valve is not subject to any external stresses. The piping support structure must only support the pipes, not the check valve.

Clean the installation so that there are no foreign bodies in the piping.  
Check that the check valve can move smoothly.

Pressure test the installation according to the relevant standards, but do not exceed the check valve's specifications.

### Maintenance

The check valve does not require any specific maintenance if it is used in normal operating conditions.

Depending on the fluid passing through the valve, you may need to change the gasket regularly.

You may need to change the check valve due to wear and tear, or if a fluid has damaged the valve and caused a leak or malfunction.

If this is the case see the "Assembly / Disassembly" section below.

## Assembly / Disassembly

*The maintenance and removal/installation of the check valve must be carried out by personnel who are qualified and trained for this type of intervention.*



Warning: Before you work on the check valve, check that the installation has been stopped and that the piping is empty and is not pressurised.

Warning: If the check valve is used with fluids that have a temperature above 60°C then people could burn themselves if they touch it.

Warning: Beware of hazardous materials - follow the instructions provided by the suppliers.

Unscrew the clamp **7**.

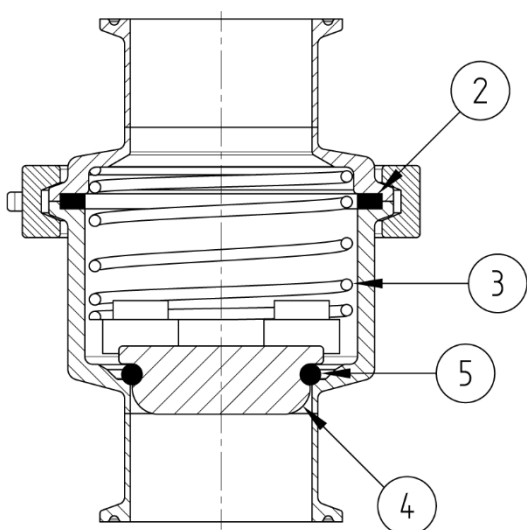
Separate the upper and lower parts (**1** and **2**) of the check valve in order to remove the gaskets **3** and **4**, the spring **6** and the check valve **5**.

Clean and inspect all of the parts of the valve. Replace any worn parts. You are strongly advised to replace any sealing parts that have been disassembled.

Follow the disassembly steps in reverse order to reassemble the check valve.

Pressure test the check valve and check the check valve's movement before you put the installation back into service.

## Spare parts



DN (mm)	NB (inches)	N°	Part number	Material
25	1"	2	JPL46365E	EPDM
		2	JPL46365V	FKM
		3	RCA25	AISI 316L
		4	PCAR025	AISI 316L
		5	JTO12E	EPDM
		5	JTO12V	FKM
38	1"1/2	2	JPL715605E	EPDM
		2	JPL715605V	FKM
		3	RCA38	AISI 316L
		4	PCAR038	AISI 316L
		5	JTO21E	EPDM
		5	JTO21V	FKM
51	2"	2	JPL845725E	EPDM
		2	JPL845725V	FKM
		3	RCA51	AISI 316L
		4	PCAR051	AISI 316L
		5	JTO28E	EPDM
		5	JTO28V	FKM
63	2"1/2	2	JPL100905E	EPDM
		2	JPL100905V	FKM
		3	RCA63	AISI 316L
		4	PCAR063	AISI 316L
		5	JTO32E	EPDM
		5	JTO32V	FKM
76	3"	2	JPL1241145E	EPDM
		2	JPL1241145V	FKM
		3	RCA38	AISI 316L
		4	PCAR038	AISI 316L
		5	JTO36E	EPDM
		5	JTO36V	FKM

## Standards and compliance

- This valve complies with European Pressure Equipment Directive (PED) 2014/68/EU Article 4 paragraph 3 (formerly 97/23/EC Article 3 paragraph 3)
- This valve complies with EC Directive 1935/2004