

Non-return check valves



ISO 7/1

Model **58743** Non-return ball check valves female/female BSP threaded - 316 stainless steel



Specifications

Dimensions: DN8 to DN25 (1/4" to 1")

Connections: BSP female threading in accordance with ISO 7/1

Pressure: 400 bar

Temperature: from - 20°C to +180°C

Material: 316 stainless steel

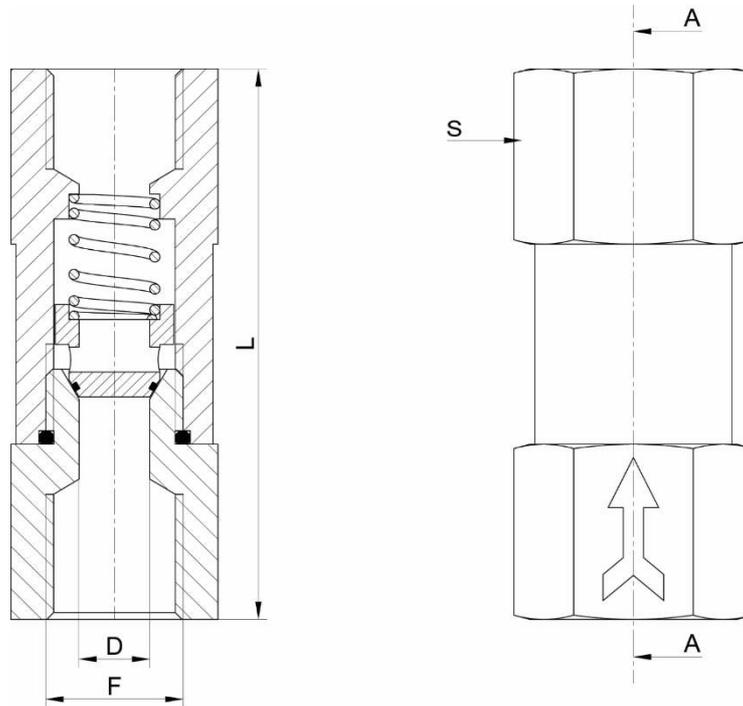
Minimum opening pressure 3 bar

FKM gaskets



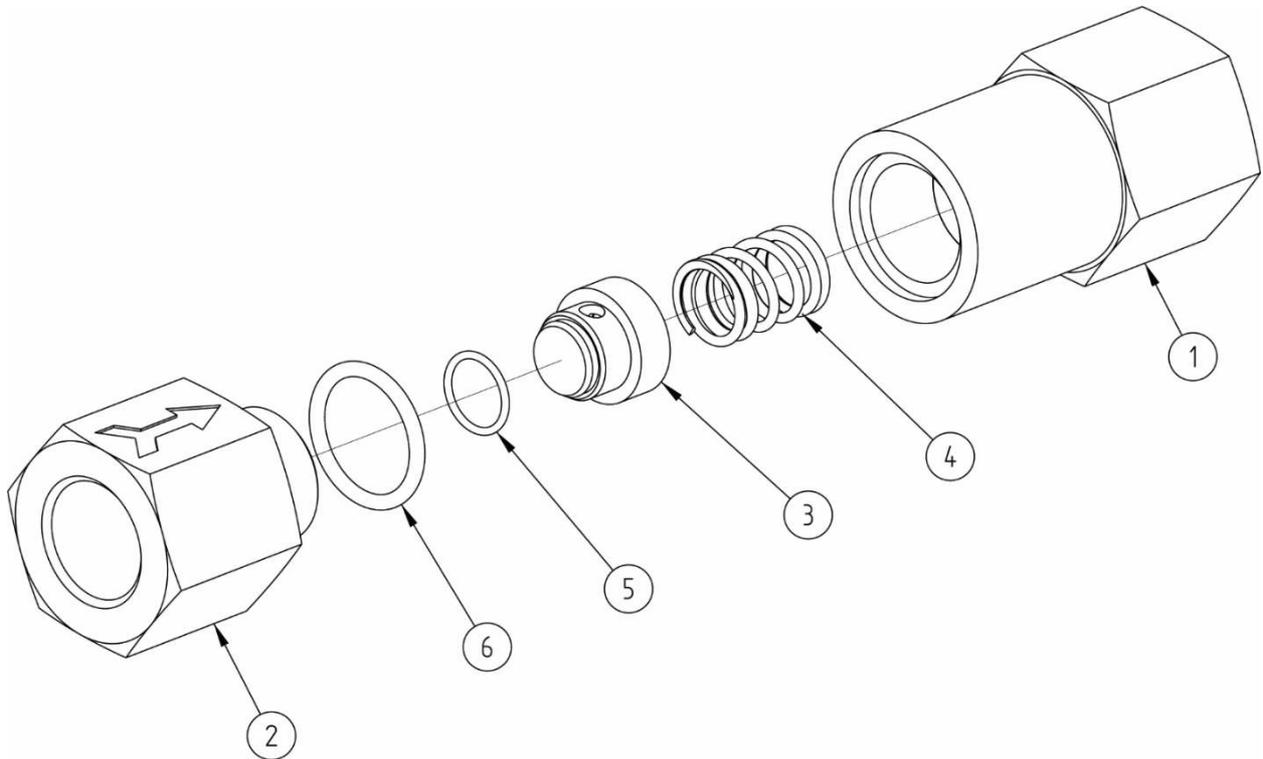
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**A-A CROSS
SECTION**

DN (mm)	NB (inches)	D (mm)	F (inches)	L (mm)	S (mm)	D1 (mm)	Kv (m3/h)	Weight (kg)	Part number
8	1/4"	8	1/4"	90	32	32	2.81	0.50	458743-8
10	3/8"	8	3/8"	90	32	32	2.81	0.50	458743-10
15	1/2"	10	1/2"	90	32	32	2.81	0.50	458743-15
20	3/4"	14	3/4"	110	41	41	2.81	0.95	458743-20
25	1"	16	1"	127	50	50	2.81	1.90	458743-25



N°	Part Name	Material
1	BODY (REAR)	AISI 316
2	BODY (FRONT)	AISI 316
3	CHECK VALVE	AISI 316
4	SPRING	AISI 316
5	CHECK VALVE GASKET	FKM
6	BODY GASKET	FKM

Use



Warning: For usage temperatures above 60°C there is a risk of burns.

Fluids

This check valve is suitable for non-abrasive and non-coagulable fluids, subject to the chemical compatibility of the parts in contact.

Assembly and maintenance instructions

Installation

The check valve must be fitted taking into account the direction of fluid circulation (see the direction of the arrow on the check valve itself).

To be able to carry out maintenance operations, ensure the planned valve location is sufficiently clear from obstructions and that there are enough valves for the section of piping containing the check valve to be isolated.

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

Make sure that the piping is perfectly aligned and its support structures are sufficiently dimensioned so that the check valve is not subject to any external stresses. The support structure must support the pipes, not the check valve.

Installation of the check valve:

To ensure the threaded connections are sealed, use a product that is suitable for the working conditions (e.g. PTFE tape).

Clean the installation so that there are no impurities in the piping. Check that the movement of the check valve is smooth.

Carry out installation pressure testing without exceeding the specifications of the check valve, and according to the applicable standards.

Maintenance

Under normal operating conditions, the check valve does not require any specific maintenance.

Following normal wear, or the passage of a product which has damaged the check valve and caused a leak or malfunction, it may be necessary to change the check valve.

Standards and compliance

- Connection: BSP female thread in accordance with EN ISO 7/1
- Leakage testing in accordance with EN 12266 / API 598
- Complies with European Pressure Equipment Directive (PED) 2014/68/EU (formerly 97/23/EC)