Range 58
VALVES

Non-return check valves

ISO 228-1

Model 58733 Ball check valve female/female BSPP - stamped 316 stainless steel body - NBR-coated ball

Specifications

Dimensions: DN32 to DN50 (1"1/4 to 2")

Connection: BSPP cylindrical female thread in accordance with ISO 228-1

Pressure: PN16

Temperature: 0°C to +90°C

Material: 316 stainless steel

Installation: vertical (upwards fluid flow) or horizontal

ISO 9001 BUREAU VERITAS Certification

CE

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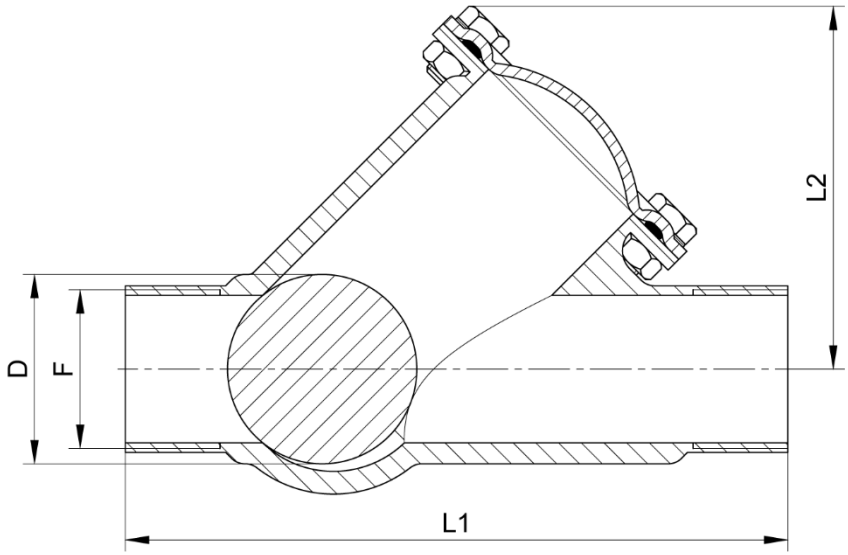

DN (mm)	NB (inches)	D (mm)	F (inches)	L1 (mm)	L2 (mm)	Weight (kg)	Opening pressure (mbar)	Part number
32	**1"1/4**	50	G 1"1/4	175	99	1.10	12	**458733-32**
40	**1"1/2**	50	G 1"1/2	190	99	1.18	9	**458733-40**
50	**2"**	60	G 2"	210	112	1.61	9	**458733-50**

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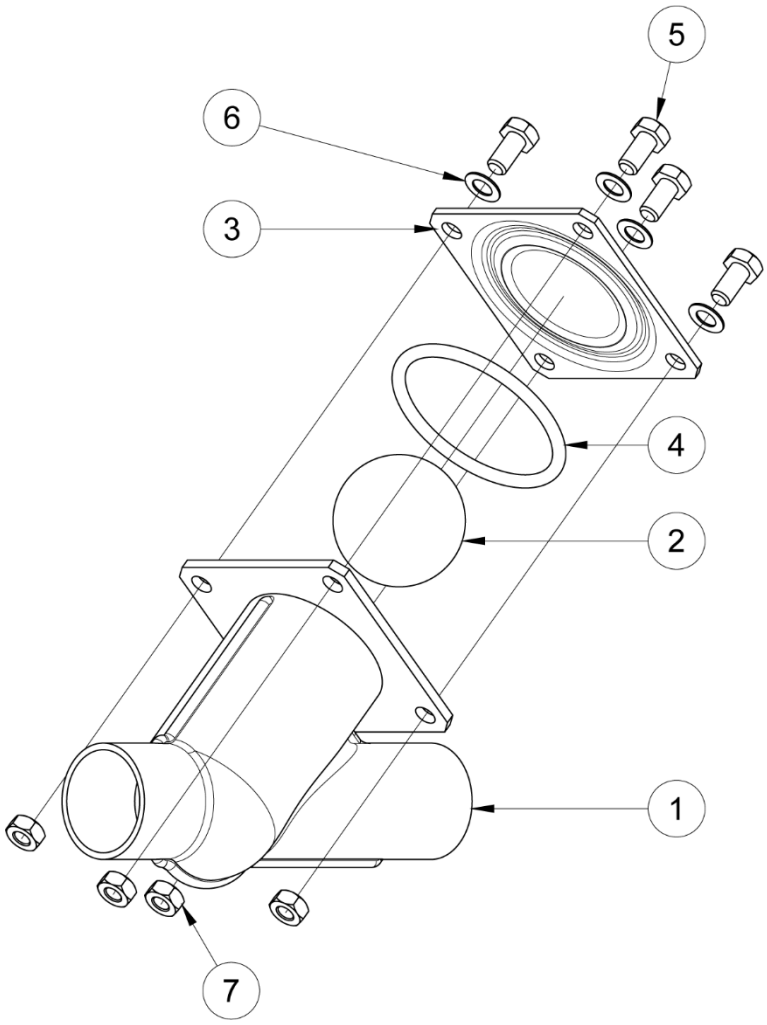


N°	Part Name	Material
1	STAMPED BODY	1.4401 (316 STAINLESS STEEL)
2	BALL	NBR COATED ALUMINIUM
3	CAP	1.4401 (316 STAINLESS STEEL)
4	O-RING	NBR
5	HEXAGON HEAD SCREW	A4
6	WASHER	A4
7	NUT	A4

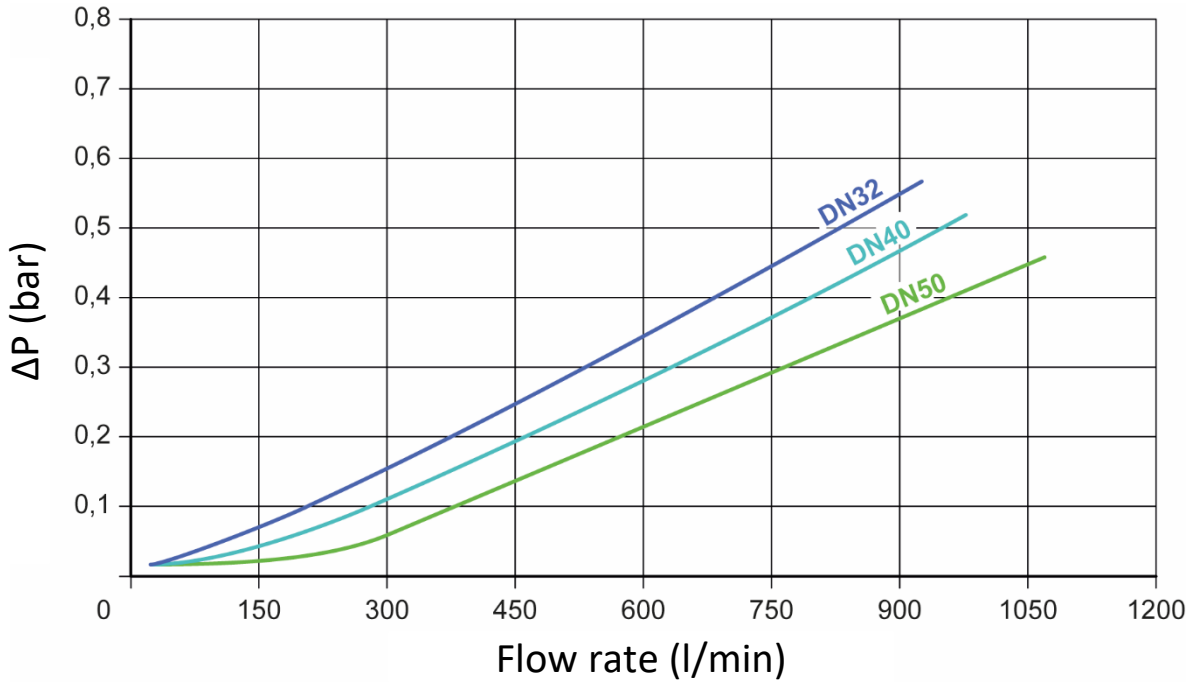
Use

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.

Fluids

This check valve is suitable for non-abrasive and non-coagulable fluids, as long as the fluids are chemically compatible with the valve parts that they can come into contact with.

Pressure drop-flow rate graph



Assembly and maintenance instructions

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 a check valve vertically for fluids moving upwards or horizontally. You must position the check valve with its cap facing upwards.

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.

How to install a threaded check valve:
Use a flat gasket to make sure the valve's threaded connections are sealed correctly. Use gasket model **5297** for 'internal mounting' or gasket model **5296** for 'external mounting'.

Clean the installation so that there are no foreign bodies in the piping.
Check that the check valve's ball 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. However, if you think it is necessary, gasket **4** can be changed as a preventive maintenance action.

You may need to change gasket **4** or all of the check valve due to normal wear and tear, or if a fluid has damaged the check valve and caused a leak or malfunction.

Standards and compliance

- Connection: BSPP female thread in accordance with EN ISO 228-1 (G).
- Leak testing according to EN 12266/API 598.
- This valve complies with European Pressure Equipment Directive (PED) 2014/68/EU (formerly 97/23/EC).