



I Application

The 72700 valve is a check valve that allows the fluid to flow through it only in one direction. These valves are normally used to prevent the loss of prime of a pump and to avoid water hammers. The valve is widely used in water loops.

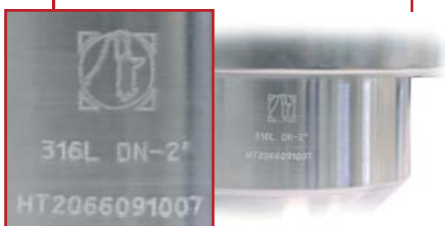
I Operating principle

The check valve opens when the pressure of the fluid exceeds the cracking pressure exerted by the spring. When the two pressures are compensated, the valve closes. A higher counterpressure closes the valve.

When there are two pumps operating alternately, the check valves are installed at the outlet of each pump to prevent the backflow when the pump is stopped. The obturation shaft is provided with a perforation for minimum circulation flow to avoid water stagnancy.

I Design and features

- 3A certified valve.
- Easy assembly/disassembly by loosening the clamp.
- Reduced size design.
- Standard connections: Clamp OD.
- Traceability of components.



Heat number

I Materials

Parts in contact with the product	AISI 316L
Other st.st. parts	AISI 304
Spring	AISI 301
Gasket	EPDM according to FDA 177.2600
Internal surface finish	$Ra \leq 0,5 \mu m$
External surface finish	machined



A small perforation provides for a minimum circulation flow



I Options

Gaskets: NBR, FPM or PTFE.

Welding connections.

Perforation in the valve cone.

Material and surface roughness certificates.

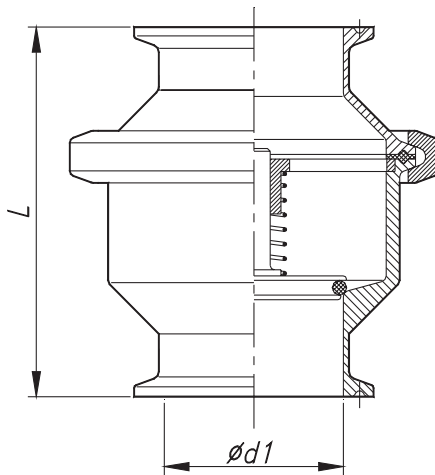
ATEX version.

I Technical specifications

Sizes	DN 1" - DN 4"	
Working temperature	-10 °C to +121 °C (EPDM)	14 °F to 250°F
	+140 °C (SIP, max. 30 min)	284 °F
Max. working pressure	10 bar	145 PSI
Opening pressure	0,3 bar (DN 1")	4,35 PSI
	0,2 bar (DN 1½")	2,9 PSI
	0,1 bar (DN 2" - DN 4")	1,45 PSI



I General dimensions



DN	d1	L
1"	22,1	98
1½"	34,8	105
2"	47,5	110
2½"	60,2	135
3"	72,9	140
4"	97,6	157



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