

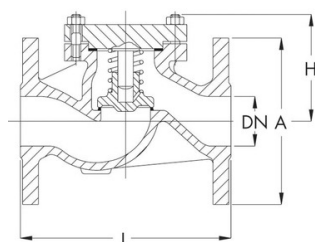
ARI Check valve fig. 97 stainless steel flange

Stainless steel steel check valve, piston type, with bolted cover and flanged ends, pressure class PN40.



Characteristics

- Type:** 97
- Norm:** EN (DIN)
- Construction type:** Straight
- Housing material:** Stainless steel
- Connection:** Flange
- Flange finish:** Raised face
- With lock spring:** Yes
- Material cover:** 1.4571
- Material cover gasket:** Graphite
- Spring material:** 1.4310
- Minimum medium temperature (continuous):** -10 °C
- Maximum medium temperature (continuous):** 400 °C



Technical Information

- Design: EN 16767.
- Testing: EN 12266-1.
- Opening pressure: 0,1 bar.
- Leakage rate: EN 12266-1 , class C.

Options

- Available in carbon steel; fig. 95.
- Available with PTFE disc seat.
- Leckrate: EN 12266-1 , class A.
- Calculation of the correct size based on process flow data.

Application

- General Industry.
- Neutral liquids.
- Steam, hot or cold water, oil, etc.
- Suitable for horizontal and vertical (rising flow) mounting.

DN	A	L	H	Weight	Min. opening pressure	KVs value
mm	mm	mm	mm	[kg]	[bar]	
15	95	130	70	3.8	0.1	5.7
20	105	150	70	4.9	0.1	7.8
25	115	160	80	5.9	0.1	12
32	140	180	80	7.1	0.1	18
40	150	200	85	10	0.1	27.5
50	165	230	95	12	0.1	48
65	185	290	110	22.5	0.1	78
80	200	310	130	28.5	0.1	109
100	220	350	155	38	0.1	168
125	250	400	165	61	0.1	265
150	285	480	215	87	0.1	389
200	340	600	285	154	0.1	667

Pressure temperature range								
	-60/100	150	200	250	300	350	400	[°C]
PN16	16	14.5	13.4	12.7	11.8	11.4	10.9	[bar]
PN40	40	36.3	33.7	31.8	29.7	28.5	27.4	[bar]

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Non-return Valves | Non-return Valves with Flange Connection

Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length	Valve shape	Kv value	Sealing	Disc material	Maximum pressure difference at 20 °C	Article
				mm		m ³ /h			bar	
1.4408	DN15	PN40	EN 558, Serie 1	130	Disc	5.7	Stainless steel	1.4571	40	11810528
1.4408	DN20	PN40	EN 558, Serie 1	150	Disc	7.8	Stainless steel	1.4571	40	11810529
1.4408	DN25	PN40	EN 558, Serie 1	160	Disc	11.8	Stainless steel	1.4571	40	11810530
1.4408	DN32	PN40	EN 558, Serie 1	180	Disc	17.9	Stainless steel	1.4571	40	11810531
1.4408	DN40	PN40	EN 558, Serie 1	200	Disc	27.5	Stainless steel	1.4571	40	11810532
1.4408	DN50	PN40	EN 558, Serie 1	230	Disc	48	Stainless steel	1.4571	40	11810533
1.4408	DN65	PN40	EN 558, Serie 1	290	Disc	77.6	Stainless steel	1.4571	40	11810534
1.4408	DN80	PN16	EN 558, Serie 1	310	Disc	109	Stainless steel	1.4571	16	11810535
1.4408	DN80	PN40	EN 558, Serie 1	310	Disc	109	Stainless steel	1.4571	40	13374476
1.4408	DN100	PN16	EN 558, Serie 1	350	Disc	168	Stainless steel	1.4571	16	11810536
1.4408	DN100	PN40	EN 558, Serie 1	350	Disc	168	Stainless steel	1.4571	40	13374478

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