



ARI Check valve Series: 52/55.003 Type: 97 Stainless steel Flange PN16/40

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

Characteristics

Series: 52/55.003

Type: 97

Norm: EN (DIN)

Construction type: Straight

Housing material: Stainless steel

Material quality: 1.4408

Connection: Flange

Flange finish: Raised face

Face to Face norm: EN 558, Series 1

With spring: Yes

Spring material: 1.4310

Minimum medium temperature (continuous): -10 °C

Maximum medium temperature (continuous): 400 °

C

Application

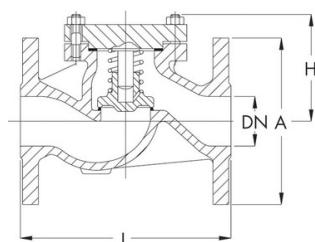
- General Industry.
- Neutral liquids.
- Steam, hot or cold water, oil, etc.
- Suitable for horizontal and vertical (rising flow) mounting.

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



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]

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

Pressure temperature range								
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]

Nominal inner diameter	Pressure rating	Face to Face length	Valve shape	Kv value	Sealing	Material disc	Material cover	Material cover gasket	Maximum pressure difference at 20 °C	Article
		mm		m³/h					bar	
DN15	PN40	130	Flap	5.7	Stainless steel	1.4571	1.4571	Graphite	40	11810528
DN20	PN40	150	Flap	7.8	Stainless steel	1.4571	1.4571	Graphite	40	11810529
DN25	PN40	160	Flap	11.8	Stainless steel	1.4571	1.4571	Graphite	40	11810530
DN32	PN40	180	Flap	17.9	Stainless steel	1.4571	1.4571	Graphite	40	11810531
DN40	PN40	200	Flap	27.5	Stainless steel	1.4571	1.4571	Graphite	40	11810532
DN50	PN40	230	Flap	48	Stainless steel	1.4571	1.4571	Graphite	40	11810533
DN65	PN40	290	Flap	77.6	Stainless steel	1.4571	1.4571	Graphite	40	11810534
DN80	PN16	310	Flap	109	Stainless steel	1.4571	1.4571	Graphite	16	11810535
DN80	PN40	310	Flap	109	Stainless steel	1.4571	1.4571	Graphite	40	13374476
DN100	PN16	350	Flap	168	Stainless steel	1.4571	1.4571	Graphite	16	11810536
DN100	PN40	350	Flap	168	Stainless steel	1.4571	1.4571	Graphite	40	13374478

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