

ARI Check valve Series: 35.003 Type: 655 Steel Flange PN40

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



Characteristics

Series: 35.003
Type: 655
Norm: EN (DIN)
Construction type: Straight
Housing material: Steel
Material quality: 1.0619+N
Surface protection: Standard manufacturers coating
Connection: Flange
Flange finish: Raised face
Face to Face norm: EN 558, Series 1
With spring: Yes
Minimum medium temperature (continuous): -10 °C
Maximum medium temperature (continuous): 450 °C
Maximum pressure difference at 20 °C: 40 bar

Application

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

Technical Information

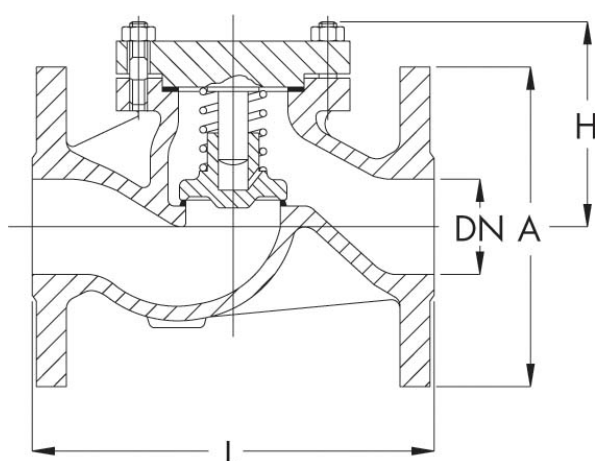
- Design: EN 16767.
- Testing: EN 12266-1.
- Opening pressure: 0,1 bar.
- Leakage rate: EN 12266-1, class C.

Options

- Available in stainless steel; type 97.
- Available with PTFE disc seat.
- Leakage rate: EN 12266-1, class A.
- Calculation of the correct size based on process flow data.

Size table:

DN	A	H	L	Weight
	mm	mm	mm	kg
DN15	95	70	130	3.8
DN20	105	70	150	4.9
DN25	115	80	160	5.9
DN32	140	80	180	7.1
DN40	150	85	200	10.4
DN50	165	95	230	12.3
DN65	185	110	290	22.7
DN80	200	130	310	28.5
DN100	235	155	350	40
DN125	270	165	400	64
DN150	300	215	480	90
DN200	375	215	600	170
DN250	450	325	730	240
DN300	515	365	850	374



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

DN	A	L	L1	H	H1	Weight	Opening pressure	KVS value
mm	mm	mm	mm	mm	mm	[kg]	[bar]	m³/hr
15	95	130	90	70	40	3,8	0,1	5,7
20	105	150	95	70	35	4,9	0,1	7,8
25	115	160	100	80	45	5,9	0,1	12
32	140	180	105	80	45	7,1	0,1	18
40	150	200	115	85	55	10,4	0,1	27,5
50	165	230	125	95	60	12,3	0,1	48
65	185	290	145	110	65	22,7	0,1	78
80	200	310	155	130	95	28,5	0,1	109
100	235	350	175	155	105	40	0,1	168
125	270	400	200	165	120	64	0,1	265
150	300	480	225	215	150	90	0,1	389
200	375	600	275	285	195	170	0,1	667
250	450	730	325	325	220	240	0,1	1053
300	515	850	375	365	240	374	0,1	1504
350	580	980	425	420	300	508	0,1	2042
400	660	1100	475	430	310	786	0,1	2725
500	755	1350	525	530	380	1044	0,1	4167

	-10/20°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	
PN40	40	37,3	34,7	30,2	28,4	25,8	24	23,1	22,2	[bar]

Nominal inner diameter	Pressure rating	Face to Face length	Valve shape	Kv value	Sealing	Material disc	Material cover	Material cover gasket	Spring material	Article
		mm		m³/h						
DN15	PN40	130	Flap	5.7	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810514
DN20	PN40	150	Flap	7.8	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810515
DN25	PN40	160	Flap	11.8	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810516
DN32	PN40	180	Flap	17.9	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810517
DN40	PN40	200	Flap	27.5	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810518
DN50	PN40	230	Flap	48	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810519
DN65	PN40	290	Flap	77.6	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810520
DN80	PN40	310	Flap	109	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810521
DN100	PN40	350	Flap	168	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810522
DN125	PN40	400	Flap	251	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810523
DN150	PN40	480	Flap	389	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810524
DN200	PN40	600	Flap	664	Stainless steel	1.4021	1.0619+N	Graphite	1.4310	11810525
DN250	PN40	730	Flap	1017	Stainless steel	1.4551	1.0619+N	Graphite	1.4310	11810526
DN300	PN40	850	Flap	1446	Stainless steel	1.4551	1.0619+N	Graphite	1.4310	11810527

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