

Rubber DuckBill Check Valve

One-piece passive check valve designed for backflow prevention in water, wastewater, and industrial systems—eliminates mechanical failures while resisting kinking and clogging.



Features:

- One-Piece Duckbill Sleeve (No Moving Parts)
- Soft-Wall, Kink-Resistant Flexibility
- Passive Pressure-Activated Operation

Benefits:

- Reliable backflow shutoff via backpressure
- Handles solids/slurries without clogging
- no maintenance from mechanical jams

Technical Specifications

Valve Diameter	DN100-1800 (4"–72")
Valve Lengths	As request
types	Standard
	Sloped bottom
	Custom
connetions types	Slip on
	Flanged
conneting method	Anchor bolting with external /internal clamps
	Flange bolting with retaining ring
Flange Drillings	ASME, BS, SABS, JIS, DIN, custom
rings/clamps	Carbon steel, SUS304,316
Cracking Pressure	25kPa (1"–2" water head; low-loss operation)
Temperature Rating	-30°C to +121°C (material-dependent)

Material Specifications

uckbill Sleeve	NR,Chlorobutyl, EPDM, Neoprene, Nitrile
Reinforcement	High-tensile polyester tire cord
End Frames	Carbon steel (painted/galvanized) or Stainless Steel (304/316)

Standard Properties

Valve Size			Liner Thickness				Face-to-Face Length		
DN	in	mm	Std	mm	Max	mm	Min	mm	Max
			in				in		mm
100	4	102	1/4	6	1/2	12	10.3	262	as request
125	5	127	1/4	6	1/2	12	11.5	292	as request
150	6	152	1/4	6	1/2	12	12.8	325	as request
200	8	203	3/8	9	5/8	15	15	381	as request
250	10	250	3/8	9	3/4	19	17.9	455	as request
300	12	300	3/8	9	3/4	19	20.4	518	as request
350	14	350	1/2	12	3/4	19	22.9	582	as request
400	16	400	1/2	12	3/4	19	24.3	617	as request
450	18	450	1/2	12	3/4	19	26.6	676	as request
500	20	500	1/2	12	3/4	19	29.2	742	as request
550	22	260	1/2	12	3/4	19	32.12	816	as request
600	24	600	5/8	15	3/4	19	38	965	as request
650	26	650	5/8	15	3/4	19	39	991	as request
700	28	700	5/8	15	3/4	19	41.7	1059	as request
750	30	750	5/8	15	1	25	43.2	1097	as request
800	32	800	5/8	15	1	25	44.9	1140	as request
900	36	900	3/4	19	1 1/4	30	52.6	1336	as request
1000	40	1000	3/4	19	1 1/4	30	58	1473	as request
1050	42	1050	3/4	19	1 1/4	32	56.2	1427	as request
1100	44	1100	3/4	19	1 1/2	40	58.52	1486	as request
1200	48	1200	3/4	19	1 1/2	40	63.5	1613	as request
1300	52	1300	3/4	19	1 1/2	40	67.6	1717	as request
1400	56	1400	1	25	2	50	72.8	1849	as request
1500	60	1500	1	25	2	50	73.8	1875	as request
1800	72	1800	1	25	2	50	86.5	2197	as request

Notes

customisable dia and size available in non-standard specifications on request.