

## Ball Check Valves (Rising Ball)

Ball Check Valve prevents reverse flow of media mainly in water/waste water industry. Media flow in the direction of arrow lifts the ball in the guide chamber to allow free flow of the liquids. Once the flow stops/reverses, the ball falls back in to the groove preventing back flow.



### Design Features:

- ✦ The ball moves fully out of the flow path to reduce head loss.
- ✦ High strength ductile iron body used for lowering the weight and improving long term durability.
- ✦ All iron parts are coated inside & outside with fusion bonded epoxy for corrosion resistance per AWWA C550.
- ✦ Valves can be installed in the horizontal or vertical position.
- ✦ Top cover provides access to the inside of the valve without removal from the pipe line.
- ✦ A wash out plug can be added upon request to allow for cleaning and maintenance operation.

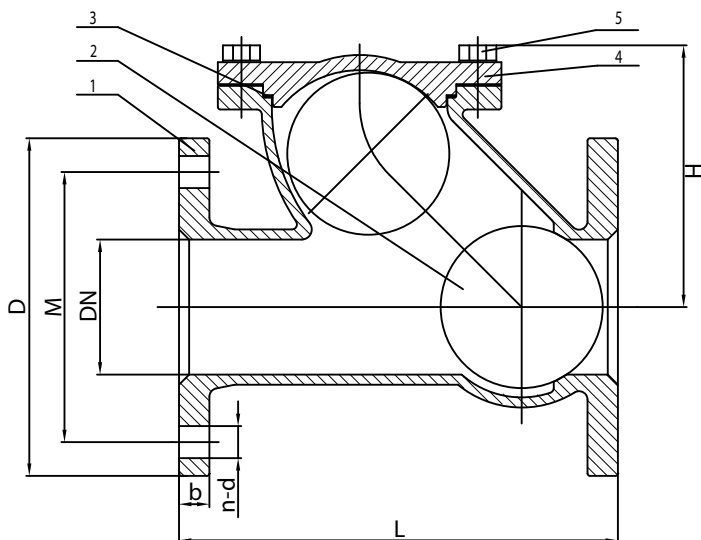
### Typical Applications:

General Water Supply, Fire Fighting, HVAC, District Cooling & Sewage System

### Technical Data:

Size Range:	2" – 24"
Pressure Rating:	150 psi
Working Temperature:	-10°C – 80°C
End Connection:	ANSI B16.1 / B16.5
Face-to-Face:	AWWA C508
Test & Inspection:	AWWA C508 / API 598

## Ball Check Valves



## Parts List & Materials

No.	Parts Name	Materials	Standards
1	Body	Ductile Iron	ASTM A536
2	Ball	Ductile Iron+ EPDM	ASTM A536
3	Gasket	NBR	-
4	Bonnet	Ductile Iron	ASTM A536
5	Bolts	Carbon Steel	ASTM A307

## Main Dimensions

unit: inch

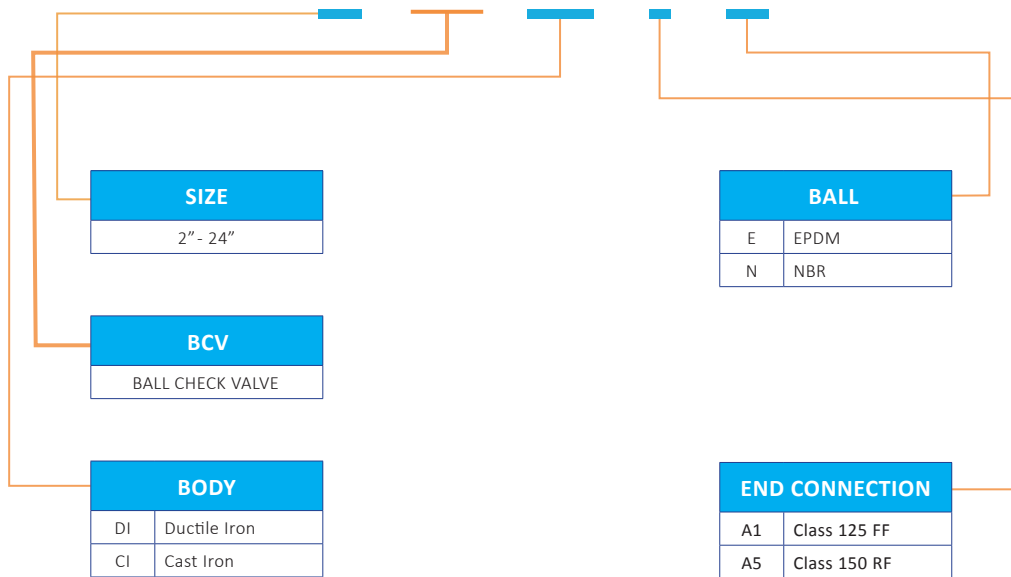
NPS	L	D	M	b	n-d	H
2"	8	6	4 3/4	5/8	4 - 3/4	4 1/4
2 1/2"	8 1/2	7	5 1/2	11/16	4 - 3/4	5 1/4
3"	9 1/2	7 1/2	6	12/16	4 - 3/4	6
4"	11 1/2	9	7 1/2	15/16	8 - 3/4	7 1/2
6"	14	11	9 1/2	1	8 - 7/8	10 3/4
8"	19 1/2	13 1/2	11 3/4	1 1/4	8 - 7/8	14 1/2
10"	24 1/2	16	14 1/4	1 1/4	12 - 1	18 1/2
12"	27 1/2	19	17	1 1/4	12 - 1	21
14"	31	21	18 3/4	1 3/4	12 - 1 1/8	24 1/4
16"	36	23 1/2	21 1/4	1 3/4	16 - 1 1/8	27 1/4
18"	33 1/2	25	22 3/4	1 3/4	16 - 1 1/4	31 1/4
20"	40	27 1/2	25	1 3/4	20 - 1 1/4	34 3/4
24"	48	32	29 1/2	2	20 - 1 3/8	41 1/4

unit: mm

DN	L	D	M	b	n-d	H
50	203	152	120.7	15.9	4-19	108
65	216	178	139.7	17.5	4-19	132
80	241	191	152.4	19.1	4-19	151
100	292	229	190.5	23.9	8-19	189
150	356	279	241.3	25.4	8-22	270
200	495	343	298.5	28.6	8-22	368
250	622	406	362	30.2	12-25	471
300	699	483	431.8	31.8	12-25	531
350	787	533	476.3	35	12-29	613
400	914	597	539.8	36.6	16-29	690
450	1016	637	577.9	39.7	16-32	793
500	1016	699	635	42.9	20-32	882
600	1210	813	749.3	47.7	20-35	1050

**PRODUCT SELECTION**

**VT - XX - BCV - XXX - X - XX**



**VAHN-TECH International Inc.**

10-755 Queensway East, Mississauga, Ontario L4Y 4C5, Canada  
Tel.: +1 416 342 0001 E-mail: info@vahn-tech.com

[www.vahn-tech.com](http://www.vahn-tech.com)