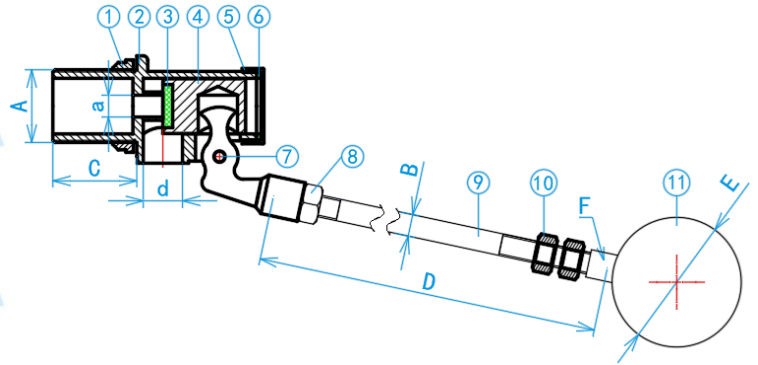
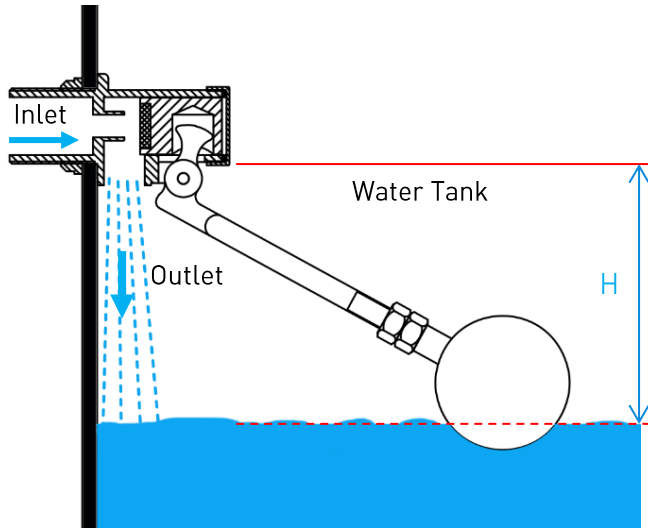


DZR BRASS BALL FLOAT VALVE

COMPLY WITH BS1212 : PART1 : 1990
BS 1968:1953, BS EN 12165:2016
BS EN1982:2017, AS/NZS 4020:2018
SS 375:2015, SS 270:2015



CROSS SECTIONAL VIEW



*Note: Rods are customisable

COMPONENT PARTS

ITEM	PARTS	MATERIAL
1	Lock nut	Brass
2	Body	DZR Brass
3	Disc	EPDM
4	Piston	DZR Brass
5	Cap	Brass
6	Disc	EPDM
7	Pins	AISI 304
8	Nut	Brass
9	Float Rod	Brass
10	Nut	Brass
11	Ball	AISI 304, AISI 316 Optional PE (For 15mm, 20mm, 25mm)

STANDARD SPECIFICATIONS

Working Pressure	14 Bar
Operating Temperature	20° ~ 65°C
Applicable Medium	Water

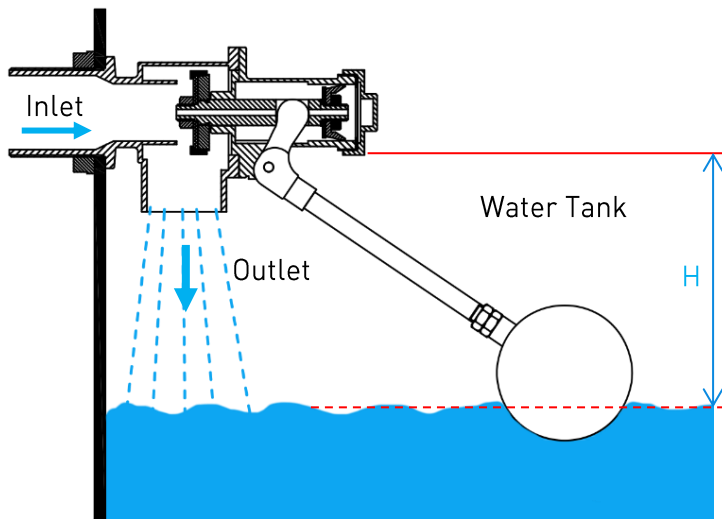
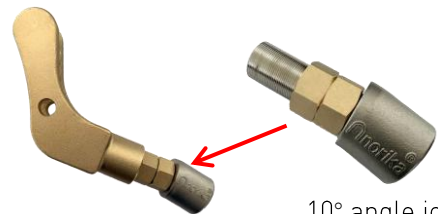
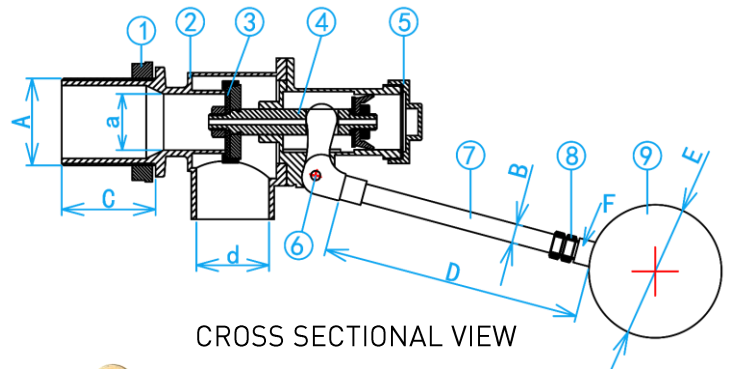
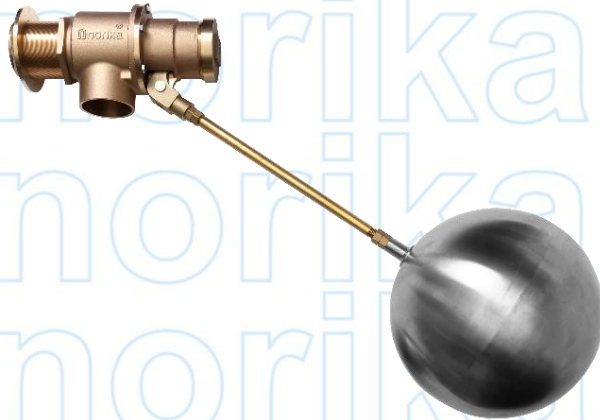
DIMENSIONS

SKU	A (inch)	a (mm)	B (mm)	C (mm)	d (mm)	D (mm)	Ball SKU E (mm)	F (inch)	Valve Closing Distance H (mm)	WEIGHT (kg)
BFVN015150	1/2" BSPP	3	8.0	35	12.5	120	BFVNB100-316L	5/16"	90	0.48
BFVN015	1/2" BSPP	3	8.0	35	12.5	250	BFVNB100-316L	5/16"	120	0.49
BFVN020	3/4" BSPP	8	8.0	35	15.0	305	BFVNB100-316L	5/16"	60	0.59
BFVN025	1" BSPP	10	8.0	35	18.0	344	BFVNB165	M10	130	1.20
BFVN035	1 1/4" BSPP	11	9.8	50	21.0	377	BFVNB200	1/2"	220	2.06
BFVN042	1 1/2" BSPP	16	12.4	45	28.0	506	BFVNB200	1/2"	225	2.40

*The tolerance for weight is $\pm 5\%$

BRONZE BALL FLOAT VALVE

COMPLY WITH BS1212 : PART1 : 1990
 BS 1968:1953, BS EN 12165:2016
 BS EN1982:2017, AS/NZS 4020:2018
 SS 375:2015, SS 270:2015



*Note: Rods are customizable

COMPONENT PARTS

ITEM	PARTS	MATERIAL
1	Lock nut	Brass
2	Body	Bronze
3	Disc	EPDM
4	Piston	DZR Brass
5	Cap	Brass
6	Pins	AISI304
7	Float Rod	Brass
8	Nut	Brass
9	Ball	AISI304

STANDARD SPECIFICATIONS

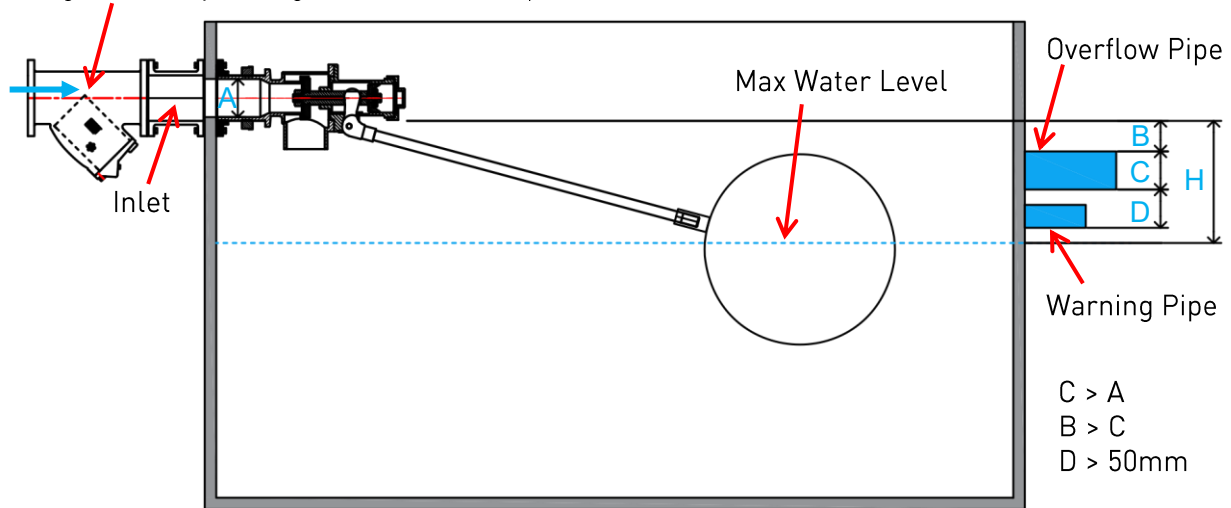
Working Pressure	14 Bar (150mm: 5.5Bar or 14Bar)
Operating Temperature	20° ~ 65°C
Applicable Medium	Water

DIMENSIONS

SKU	A (inch)	a (mm)	B (mm)	C (mm)	d (mm)	D (mm)	Ball SKU E (mm)	F (inch)	Valve Closing Distance H (mm)	WEIGHT (kg)
BFVN050	2" BSPP	38.5	13	45	50.0	450	BFVNB200	1/2"	290	5.35
BFVN065	2½" BSPP	50.0	14	70	65.0	436	BFVNB300	1/2"	190	8.80
BFVN080	3" BSPP	72.0	22	86	72.5	483	BFVNB400	7/8"	280	17.00
BFVN100	4" BSPP	96.5	22	101	98.0	535	BFVNB400	7/8"	400	26.60
BFVN150	6" BSPP	112.0	24	130	150.0	860	BFVNB400	7/8"	390	37.70

BALL FLOAT VALVE SHUT-OFF LEVELS AND SPECIFICATIONS

Install a **Y-type strainer** at the upstream section of the pipeline to protect valves and equipment from potential damage caused by sand, gravel, and other impurities.



ELEVATION / SECTION

For a domestic water tank:

Warning pipe = early alarm level.

Overflow pipe = emergency protection level.

The dimensions shown indicate:

$C > A \rightarrow$ warning pipe diameter larger than the inlet size.

$B > C \rightarrow$ overflow capacity greater than warning pipe capacity.

$D > 50 \text{ mm} \rightarrow$ minimum vertical separation between the two pipes.

DIMENSIONS

SKU	FOR VALVE SIZE	A Inlet (mm)	L Rod Length (mm)	H (mm)
BFVN015	1/2"	21	120	120
BFVN015S150	1/2"	21	250	90
BFVN020	3/4"	27	305	60
BFVN025	1"	33	344	130
BFVN035	1 1/4"	42	377	220
BFVN042	1 1/2"	48	506	225
BFVN050	2"	60	450	290
BFVN065	2 1/2"	75	436	190
BFVN080	3"	88	483	280

DIMENSIONS

SKU	FOR VALVE SIZE	A Inlet (mm)	L Rod Length (mm)	H (mm)
BFVN100	4"	113	535	400
BFVN1000640	4"	113	640	430
BFVN1000860	4"	113	860	520
BFVN1000900	4"	113	900	540
BFVN1001000	4"	113	1000	570
BFVN1001200	4"	113	1200	610
BFVN150	6"	164	860	390
BFVN1501200	6"	164	1200	510
BFVN1501400	6"	164	1400	570

Singapore Standard SS636

Clause 7.1.5

The overflow pipe shall have an internal diameter larger than that of the inlet pipe. The overflowing level of the overflow pipe shall be below the invert of the inlet pipe at a vertical distance of not less than the diameter of the overflow pipe.

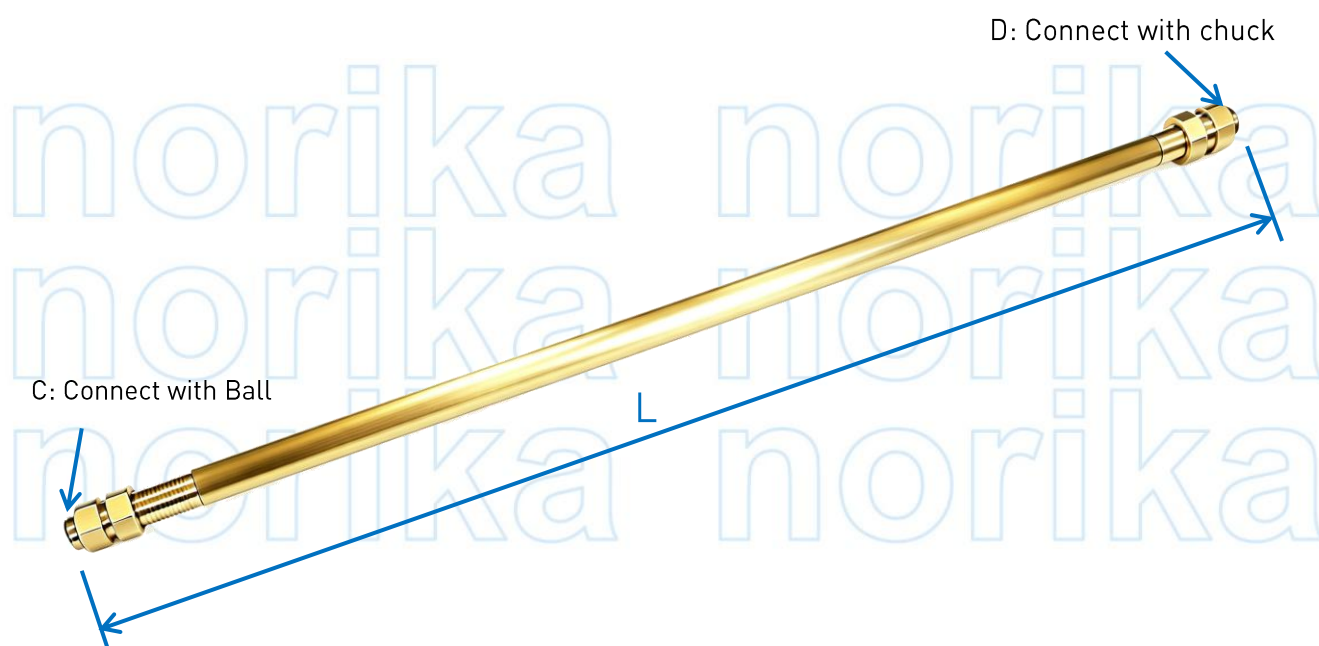
Clause 7.1.6

A Warning alarm shall be provided to effectively indicate when the water reaches a level not less than 50mm below the invert of the overflow pipe.

Clause 7.1.7

Every storage tank shall have its water level set at a vertical distance of not less than 25mm below the warning level

BRASS STUB/LEVER FOR BALL FLOAT VALVE



DIMENSIONS

SKU	FOR VALVE SIZE	C (inch)	D (mm)	L (mm)	WEIGHT (kg)
BFVN015S150	1/2"	5/16"	M8	120	0.061
BFVN015S	1/2"	5/16"	M8	250	0.116
BFVN020S	3/4"	5/16"	M8	305	0.140
BFVN025S	1"	M10	M10	344	0.234
BFVN035S	1 1/4"	1/2"	M13	377	0.439
BFVN042S	1 1/2"	1/2"	M13	506	0.583
BFVN050S	2"	1/2"	M13	450	0.520
BFVN065S	2 1/2"	1/2"	M13	436	0.575

DIMENSIONS

SKU	FOR VALVE SIZE	C (inch)	D (mm)	L (mm)	WEIGHT (kg)
BFVN080S	3" & 4"	7/8"	M22	483	1.605
BFVN080S0640	3" & 4"	7/8"	M22	640	2.187
BFVN080S0900	3" & 4"	7/8"	M22	900	3.027
BFVN080S1000	3" & 4"	7/8"	M22	1000	3.275
BFVN080S1200	3" & 4"	7/8"	M22	1200	4.007
BFVN080S1400	3" & 4"	7/8"	M22	1400	4.650
BFVN100S	3" & 4"	7/8"	M22	535	1.780
BFVN100S0860	4"	7/8"	M22	860	2.907
BFVN150S	6"	7/8"	M24	860	3.295
BFVN150S1200	6"	7/8"	M24	1200	4.615
BFVN150S1400	6"	7/8"	M24	1400	5.560

EPDM RUBBER SEAL KIT FOR BALL FLOAT VALVE



SKU: BFVN015RK



SKU: BFVN020-042RK



SKU: BFVN050-150RK

DIMENSIONS		
SKU	FOR VALVE SIZE (inch)	WEIGHT (g)
BFVN015RK	1/2"	2.7
BFVN020RK	3/4"	1.9
BFVN025RK	1"	3.1
BFVN035RK	1 1/4"	3.4
BFVN042RK	1 1/2"	4.1
BFVN050RK	2"	17.0
BFVN065RK	2 1/2"	44.7
BFVN080RK	3"	87.7
BFVN100RK	4"	164.9
BFVN150RK	6"	214.4