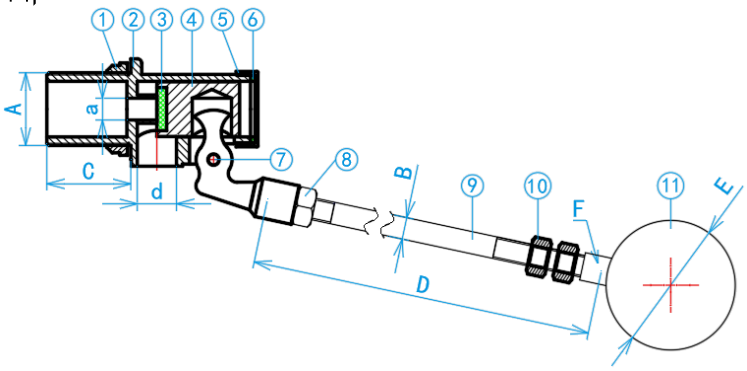
STAINLESS STEEL 316L BALL FLOAT VALVE

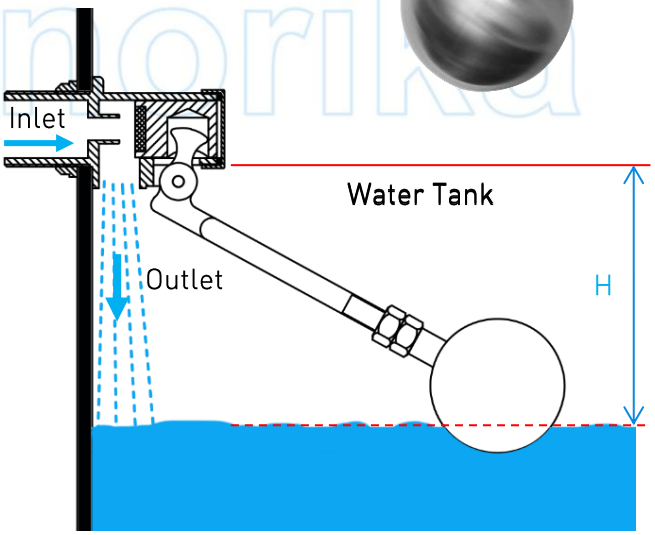
COMPLY WITH BS 1212-1 : 1990, BS 1968:1953
AS/NZS 4020:2018, ASTM E 1086-2014,
SS 375:2015, SS 207:2015



Accessories Rubber seal kit:
BFVN015~050RK



CROSS SECTIONAL VIEW



*Note: Rods are customisable

COMPONENT PARTS

ITEM	PARTS	MATERIAL
1	Lock nut	AISI 316L
2	Body	AISI 316L
3	Disc	EPDM
4	Piston	AISI 316L
5	Cap	AISI 316L
6	Pins	AISI 316L
7	Float Rod	AISI 316L
8	Nut	AISI 316L
9	Ball	AISI 316L

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)
BFVNSS316L015150	1/2" BSPP	3.0	8	32.5	12.5	120	BFVNB100-316L	5/16"	90	0.48
BFVNSS316L015	1/2" BSPP	3.0	8	32.5	12.5	250	BFVNB100-316L	5/16"	120	0.52
BFVNSS316L020	3/4" BSPP	8.0	8	35.0	15.0	305	BFVNB100-316L	5/16"	60	0.53
BFVNSS316L025	1" BSPP	10.0	10	38.5	18.0	344	BFVNB165-316L	M10	130	1.15
BFVNSS316L035	11/4" BSPP	11.0	13	49.5	21.0	377	BFVNB200-316L	1/2"	220	2.10
BFVNSS316L042	11/2" BSPP	16.0	13	50.0	28.0	506	BFVNB200-316L	1/2"	225	2.30
BFVNSS316L050	2" BSPP	38.5	13	64.5	50.0	450	BFVNB200-316L	1/2"	290	5.20

* Valve Closing Distance Complies to PUB minimum requirement

*The tolerance for weight is ±5%

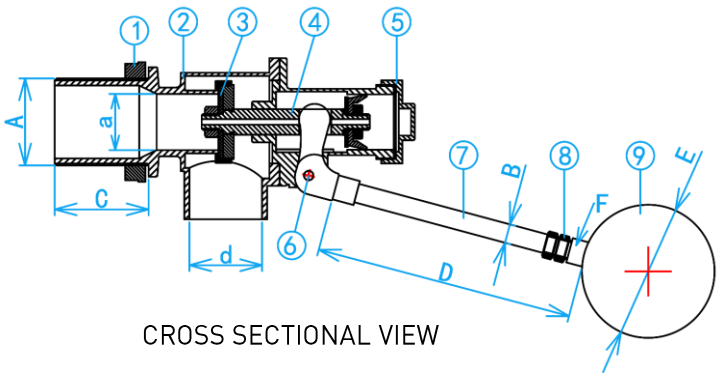
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STAINLESS STEEL 316L BALL FLOAT VALVE

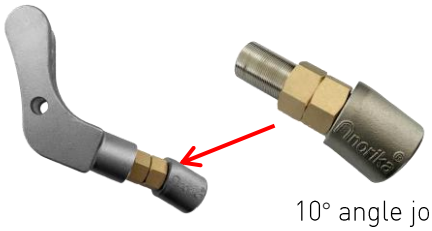
COMPLY WITH BS 1212-1 : 1990, BS 1968:1953
AS/NZS 4020:2018, ASTM E 1086-2014,
SS 375:2015, SS 207:2015



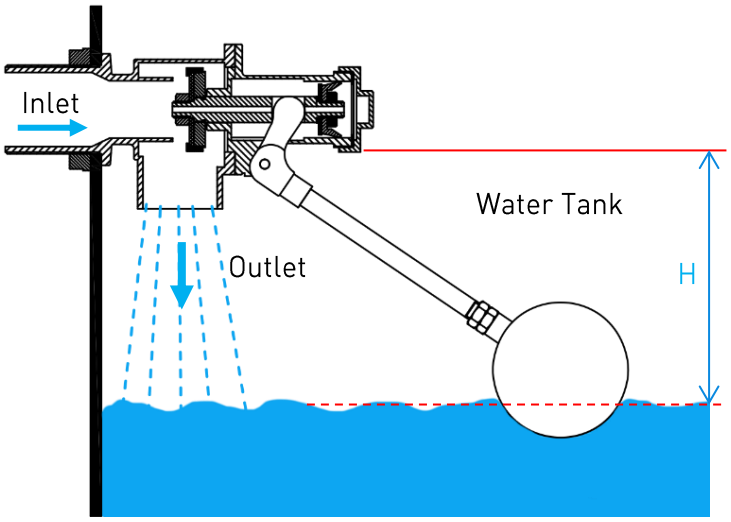
Accessories Rubber seal kit:
BFVN050~150RK



CROSS SECTIONAL VIEW



10° angle joint
for 3"~6" float valve



*Note: Rods are customizable

COMPONENT PARTS		
ITEM	PARTS	MATERIAL
1	Lock nut	AISI 316L
2	Body	AISI 316L
3	Disc	EPDM
4	Piston	AISI 316L
5	Cap	AISI 316L
6	Pins	AISI 316L
7	Float Rod	AISI 316L
8	Nut	AISI 316L
9	Ball	AISI 316L

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

DIMENSIONS

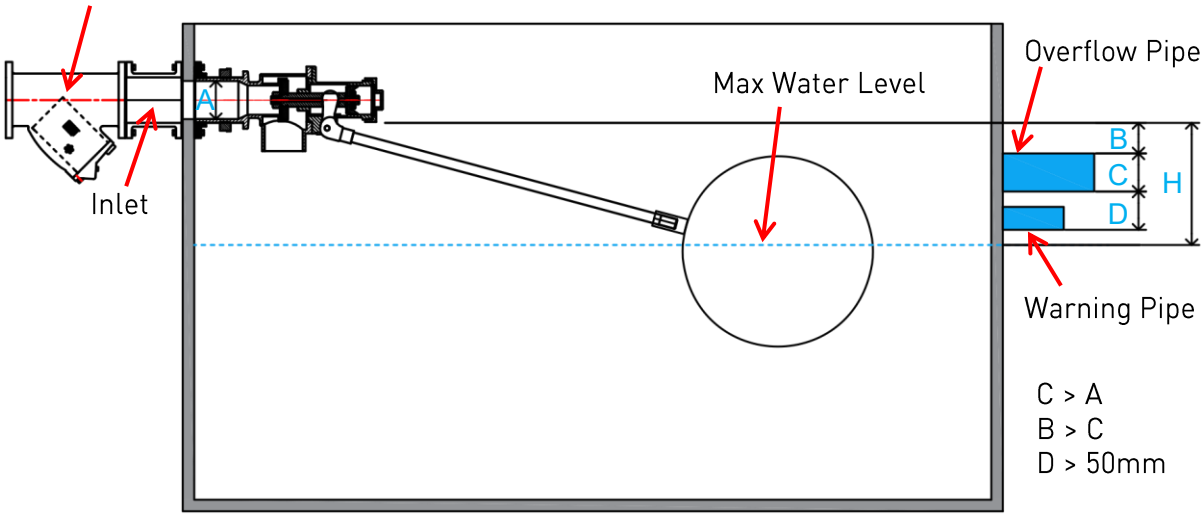
SKU	A (inch)	a (mm)	B (mm)	C (mm)	d (mm)	D (mm)	Ball SKU E (mm)	F (inch)	Valve Closing Distance H (mm)	WEIGHT (kg)
BFVNSS316L065	2½" BSPP	50.0	14	70	62	436	BFVNB300-316L	1/2"	190	8.80
BFVNSS316L080	3" BSPP	71.7	22	86	72	483	BFVNB400-316L	7/8"	280	17.00
BFVNSS316L100	4" BSPP	101.0	22	101	100	535	BFVNB400-316L	7/8"	400	20.80
BFVNSS316L150	6" BSPP	112.0	24	130	150	860	BFVNB400-316L	7/8"	390	37.70

* Valve Closing Distance Complies to PUB minimum requirement

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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 → warning pipe diameter larger than the inlet size.
B > C → overflow capacity greater than warning pipe capacity.
D > 50 mm → minimum vertical separation between the two pipes.

DIMENSIONS

SKU	A Inlet (mm)	L Rod Length (mm)	H (mm)
BFVNSS316L015	21	150	120
BFVNSS316L015150	21	280	90
BFVNSS316L020	27	335	60
BFVNSS316L025	33	387	130
BFVNSS316L035	42	411	220
BFVNSS316L042	48	540	225
BFVNSS316L050	60	450	290
BFVNSS316L065	75	436	190
BFVNSS316L080	88	485	280
BFVNSS316L100	113	535	400

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

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