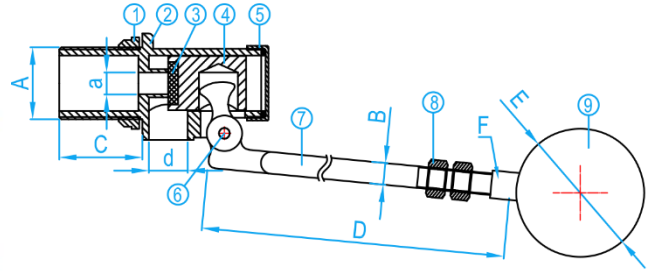


# DZR BRASS BALL FLOAT VALVE

COMPLY WITH BS1212 : PART1 : 1990

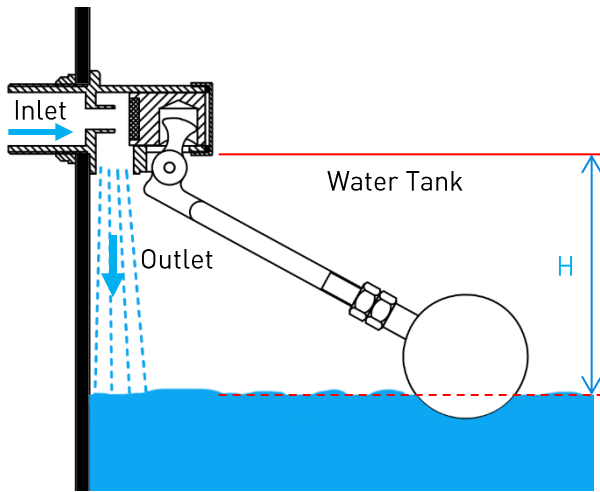


Accessories Rubber seal kit:  
BFVN015~042RK



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    | Pins      | AISI304                                                 |
| 7    | Float Rod | Brass                                                   |
| 8    | Nut       | Brass                                                   |
| 9    | Ball      | AISI304, AISI316 Optional<br>PE ( For 15mm, 20mm, 25mm) |

## STANDARD SPECIFICATIONS

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

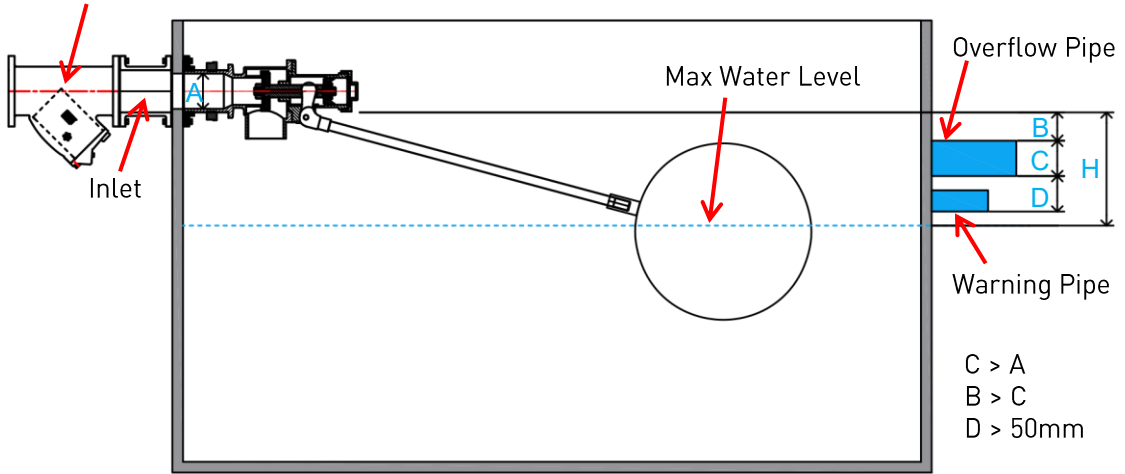
## DIMENSIONS

| SKU        | A<br>(inch) | a<br>(mm) | B<br>(mm) | C<br>(mm) | d<br>(mm) | D<br>(mm) | Ball SKU<br>E (mm) | F<br>(inch) | Valve Closing<br>Distance<br>H (mm) | WEIGHT<br>(kg) |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|--------------------|-------------|-------------------------------------|----------------|
| BFVN015150 | 1/2"BSP     | 3         | 8         | 35        | 12.5      | 150       | BFVNB100-316L      | 5/16"       | 90                                  | 0.48           |
| BFVN015    | 1/2"BSP     | 3         | 8         | 35        | 12.5      | 280       | BFVNB100-316L      | 5/16"       | 120                                 | 0.49           |
| BFVN020    | 3/4"BSP     | 8         | 8         | 35        | 15.0      | 335       | BFVNB100-316L      | 5/16"       | 60                                  | 0.59           |
| BFVN025    | 1"BSP       | 10        | 8         | 35        | 18.0      | 387       | BFVNB165           | M10         | 130                                 | 1.20           |
| BFVN035    | 1 1/4"BSP   | 11        | 9.8       | 50        | 21.0      | 411       | BFVNB200           | 1/2"        | 220                                 | 2.06           |
| BFVN042    | 1 1/2"BSP   | 16        | 12.4      | 45        | 28.0      | 540       | BFVNB200           | 1/2"        | 225                                 | 2.40           |

# 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

## DIMENSIONS

| SKU         | A<br>Inlet<br>(mm) | L<br>Rod Length<br>(mm) | H<br>(mm) |
|-------------|--------------------|-------------------------|-----------|
| BFVN015     | 21                 | 150                     | 120       |
| BFVN015S150 | 21                 | 280                     | 90        |
| BFVN020     | 27                 | 335                     | 60        |
| BFVN025     | 33                 | 387                     | 130       |
| BFVN035     | 42                 | 411                     | 220       |
| BFVN042     | 48                 | 540                     | 225       |
| BFVN050     | 60                 | 450                     | 290       |
| BFVN065     | 75                 | 436                     | 190       |
| BFVN080     | 88                 | 485                     | 280       |

## DIMENSIONS

| SKU         | A<br>Inlet<br>(mm) | L<br>Rod Length<br>(mm) | H<br>(mm) |
|-------------|--------------------|-------------------------|-----------|
| BFVN100     | 113                | 535                     | 400       |
| BFVN1000640 | 113                | 640                     | 430       |
| BFVN1000860 | 113                | 860                     | 520       |
| BFVN1000900 | 113                | 900                     | 540       |
| BFVN1001000 | 113                | 1000                    | 570       |
| BFVN1001200 | 113                | 1200                    | 610       |
| BFVN150     | 164                | 860                     | 390       |
| BFVN1501200 | 164                | 1200                    | 510       |
| BFVN1501400 | 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.

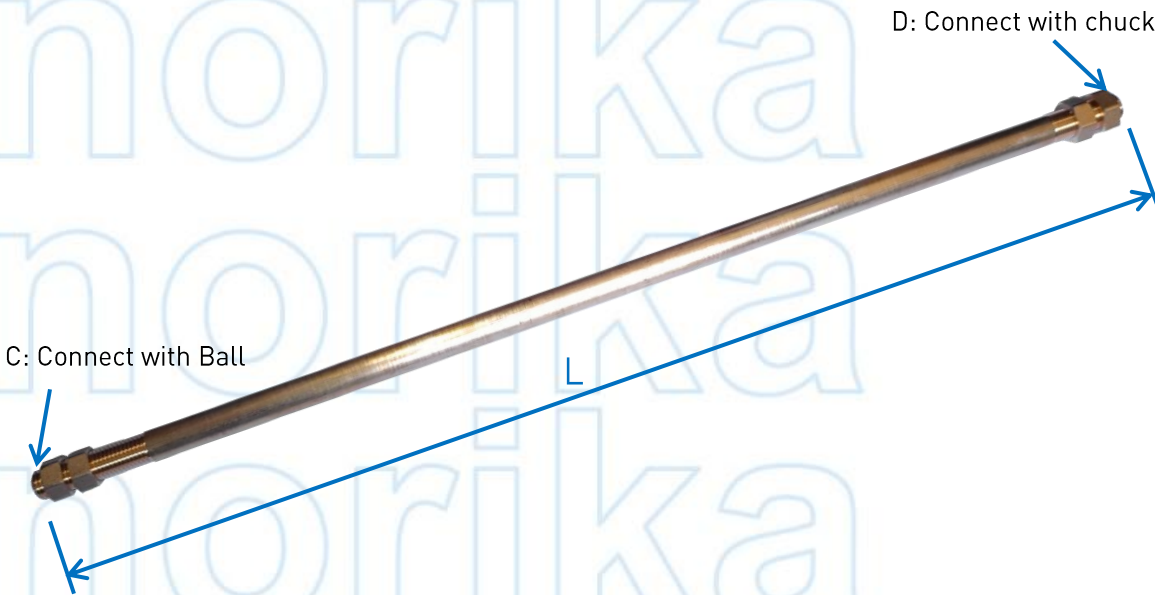
#### Clause 7.1.6

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         | C<br>(inch) | D<br>(mm) | L<br>(mm) | WEIGHT<br>(kg) |
|-------------|-------------|-----------|-----------|----------------|
| BFVN015S150 | 5/16"       | M8        | 150       | 0.100          |
| BFVN015S    | 5/16"       | M8        | 280       | 0.130          |
| BFVN020S    | 5/16"       | M8        | 335       | 0.145          |
| BFVN025S    | M10         | M10       | 387       | 0.260          |
| BFVN035S    | 1/2"        | M13       | 411       | 0.460          |
| BFVN042S    | 1/2"        | M13       | 540       | 0.610          |

DIMENSIONS

| SKU          | C<br>(inch) | D<br>(mm) | L<br>(mm) | WEIGHT<br>(kg) |
|--------------|-------------|-----------|-----------|----------------|
| BFVN050S     | 1/2"        | M13       | 450       | 0.520          |
| BFVN065S     | 1/2"        | M13       | 436       | 0.575          |
| BFVN080S     | 7/8"        | M22       | 485       | 1.605          |
| BFVN100S     | 7/8"        | M22       | 535       | 1.780          |
| BFVN100S0640 | 7/8"        | M22       | 640       | 2.187          |
| BFVN100S0860 | 7/8"        | M22       | 860       | 2.907          |
| BFVN100S0900 | 7/8"        | M22       | 900       | 3.027          |
| BFVN100S1000 | 7/8"        | M22       | 1000      | 3.357          |
| BFVN100S1200 | 7/8"        | M22       | 1200      | 4.007          |
| BFVN100S1400 | 7/8"        | M22       | 1400      | 4.650          |
| BFVN150S     | 7/8"        | M24       | 860       | 3.295          |
| BFVN150S1200 | 7/8"        | M24       | 1200      | 4.789          |
| BFVN150S1400 | 7/8"        | M24       | 1400      | 5.560          |