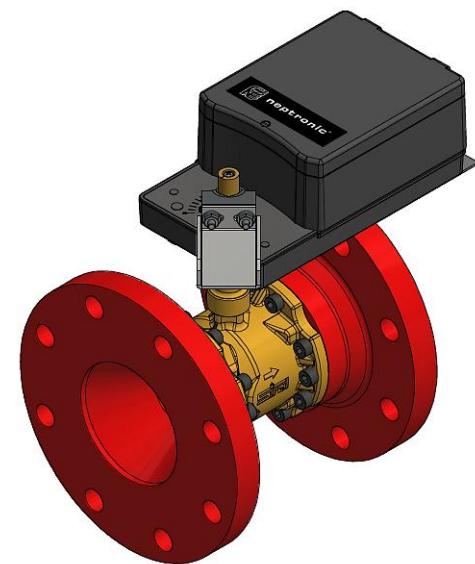


CP G0080YS4: 2-way, 2.5" (DN65)

CP G0110YS4: 2-way, 2.5" (DN65)

CP H0110YS4: 2-way, 3" (DN80)

CP J0140YS4: 2-way, 4" (DN100)



## Description

The 2-way actuated flange characterized control ball valve provides digital or analog control of hot or chilled water systems that contain up to 60% glycol.

Each unit is comprised of a rotary actuator and linkage assembly coupled to a valve body that offers positive close off and low torque. The range of valve sizes are from 2.5" (DN65) to 4" (DN100) with a close-off pressure of 200 PSI [1379 kPa].

## Models

| Size           | 2-Way Models | Cv  | Kv  |
|----------------|--------------|-----|-----|
| 2.5"<br>[DN65] | CP G0080YS4  | 80  | 69  |
|                | CP G0110YS4  | 110 | 95  |
| 3"<br>[DN 80]  | CP H0110YS4  | 110 | 95  |
| 4"<br>[DN 100] | CP J0140YS4  | 140 | 121 |

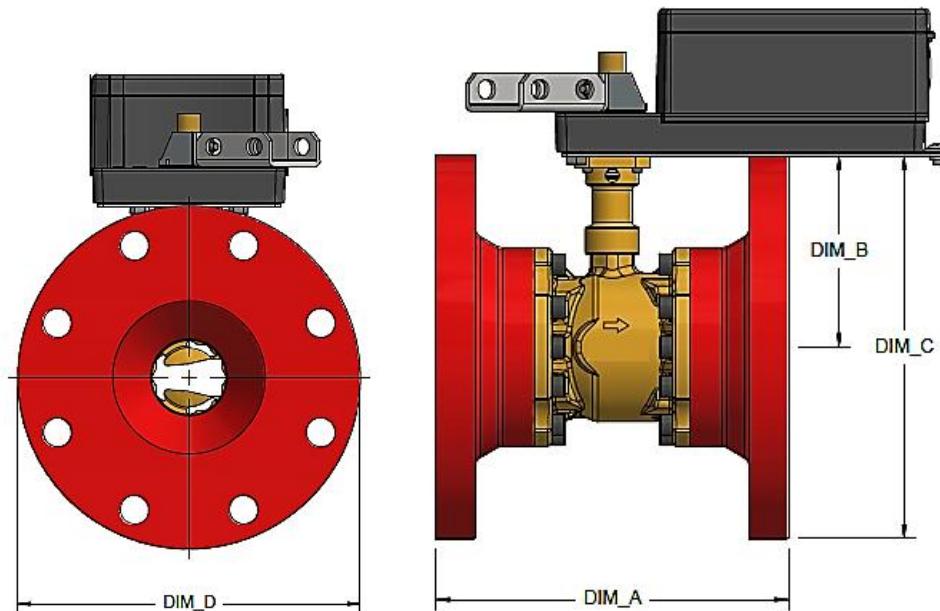
### Technical Data

| Specification          |                     | All Models                             |  |
|------------------------|---------------------|--|--|
| Actuator Compatibility |                     | All Neptronic TT & TM Series Actuators |  |
| Sizes                  |                     | 2.5" to 4" [DN65 to DN100]             |  |
| Range Cv [Kv]          |                     | 80 to 140 [69 to 121]                  |  |
| Pressure               | Body                | 400 PSI [2758 kPa]                     |  |
|                        | Close Off           | 200 PSI [1379 kPa]                     |  |
|                        | Differential        | 50 PSI [345 kPa]                       |  |
|                        | Max Inlet           | N/A                                    |  |
| Media                  | Water, Glycol 60%   |  |  |
|                        | Temperature Range   | 0°F to 250°F [-18°C to 120°C]          |  |
| Leakage                | A-AB Port           | 0%                                     |  |
|                        | B Port              | N/A                                    |  |
| Body Material          | Body                | Brass, cast iron                       |  |
|                        | Ball                | Stainless steel                        |  |
|                        | Stems               | Stainless steel                        |  |
|                        | Seats               | PTFE                                   |  |
|                        | Characterizing Disc | Brass Characterized                    |  |
|                        | O-ring              | EPDM                                   |  |
| End Connections        |                     | ANSI Class 125                         |  |
| Flow Characteristic    | A to AB             | Equal Percentage                       |  |
|                        | B to AB             | N/A                                    |  |
| Flow Pattern           | Mixing              | N/A                                    |  |
|                        | Diverting           | N/A                                    |  |

# 2-Way Flange Characterized Control Ball Valve

## Specification and Installation Instructions

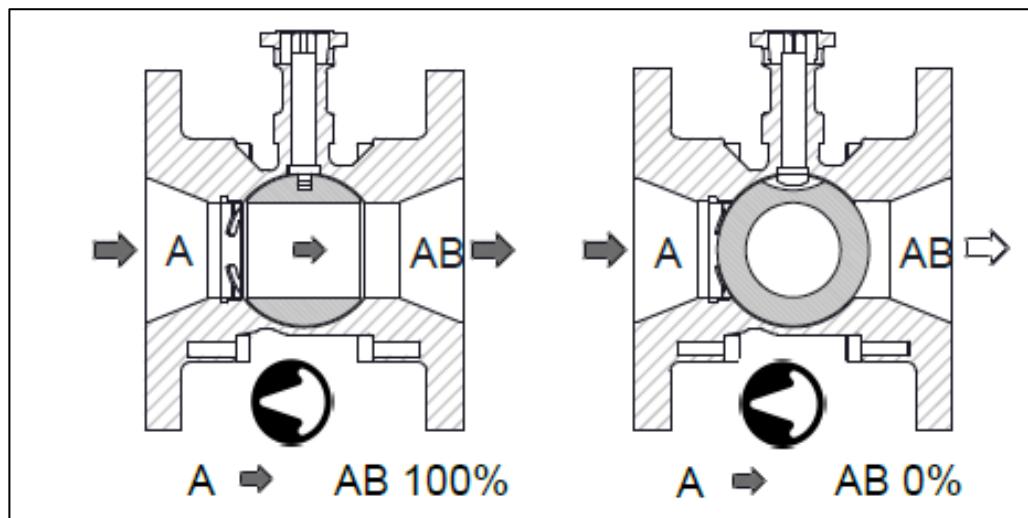
### Dimensions



| Size        | A              | B             | C             | D             |
|-------------|----------------|---------------|---------------|---------------|
| 2.5" [DN65] | 5.40" [138mm]  | 4.50" [114mm] | 8.00" [203mm] | 7.00" [178mm] |
| 3" [DN80]   | 26.60" [168mm] | 4.50" [114mm] | 8.25" [210mm] | 7.50" [191mm] |
| 4" [DN110]  | 8.30" [211mm]  | 4.50" [114mm] | 9.00" [230mm] | 9.00" [230mm] |

### Flow Pattern

2 Way valves should be installed with the disc upstream.

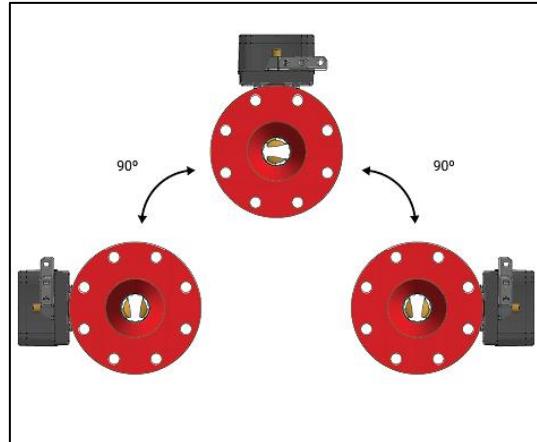


# 2-Way Flange Characterized Control Ball Valve

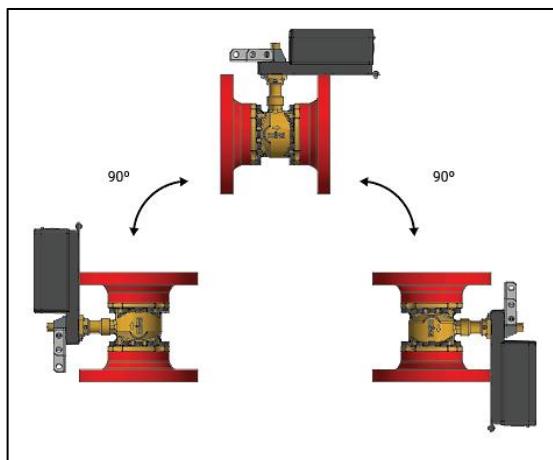
## Specification and Installation Instructions

### Installation & Orientation

1. The valve assembly can be installed in a vertical or horizontal arrangement.



2. The product should be positioned to avoid water from dripping on the actuator.



Recycling at end of life: please return this product to your Neptronic local distributor for recycling. If you need to find the nearest Neptronic authorized distributor, please consult [www.neptronic.com](http://www.neptronic.com).