



2, 3 port electric ball valve

## MINIATURE MOTOR VALVE MHB4-MHG4 SERIES

- Port size : Rc3/8, Rc1/2, Rc3/4, Rc1

### Common specifications

| Descriptions                  |                      | MHB4/MHG4  |
|-------------------------------|----------------------|--|
| Working fluid                 | MPa                  | Water, hot water, air, oil (500mm <sup>2</sup> /s or less)         |
| Working pressure range        | MPa                  | 0 to 0.5   |
| Withstanding pressure (water) | °C                   | 1.0  |
| Fluid temperature             | °C                   | 0 to 80 (no freezing)  |
| Ambient temperature           | %                    | -10 to 50  |
| Ambient humidity              | cm <sup>3</sup> /min | 70 or less   |
| Valve seat leakage            |                      | 0 (under 0.5MPa water pressure)                                    |
| Installation attitude         |                      | Limited from vertical to horizontal installation placing motor top |
| Rated voltage                 |                      | AC100V(50/60Hz), AC200V(50/60Hz)                                   |
| Apparent power (VA)           | Holding              | AC100V   |
|                               |                      | 4.4/3.5(50/60Hz)   |
|                               | Starting             | AC200V   |
|                               |                      | 3.4/2.6(50/60Hz)   |
|                               | AC100V               | 4.4/3.5(50/60Hz)   |
|                               | AC200V               | 3.4/2.6(50/60Hz)   |
| Power consumption             | W                    | 5  |
| Cycle rate                    |                      | 1 cycle/min. or less   |

### Individual specifications

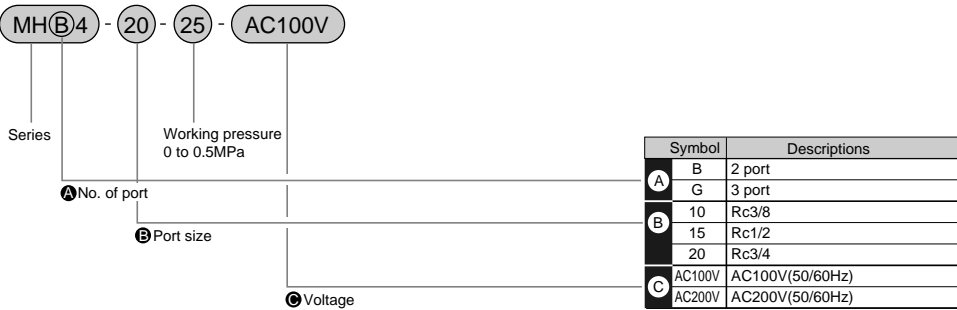
| Descriptions             |      | 2 port valve |            |            | 3 port valve                  |            |            |
|--------------------------|------|--------------|------------|------------|-------------------------------|------------|------------|
|                          |      | MHB4-10-25   | MHB4-15-25 | MHB4-20-25 | MHG4-10-25                    | MHG4-15-25 | MHG4-20-25 |
| Port size                |      | Rc3/8        | Rc1/2      | Rc3/4      | Rc3/8                         | Rc1/2      | Rc3/4      |
| Orifice                  | mm   | 8            | 8          | 10         | 8                             | 8          | 10         |
| Cv flow factor           |      | 3.3          | 3.0        | 4.7        | 1.8                           | 1.1        | 3.0        |
| Operation time<br>sec.   | 50Hz | 4.5          |            |            | 9                             |            |            |
|                          | 60Hz | 3.8          |            |            | 7.5                           |            |            |
| Mass                     | kg   | 0.42         | 0.44       | 0.51       | 0.45                          | 0.49       | 0.57       |
| Pressurization direction |      | Any          |            |            | Limited to Port C pressurized |            |            |

Note 1 : Allowable voltage range should be within  $\pm 10\%$  of rated voltage.

Note 2 : Consult with CKD about other than above specifications.

Note 3 : Only when vertical installation placing motor top, protection grade is JIS CO920 IPX2 " drip proof type II ".

How to order



<Example of model number>

MHB4-20-25-AC100V

Series : MHB4

A

No. of port : 2 port valve

B

Port size : Rc3/4

C

Voltage : AC100V (50/60Hz)