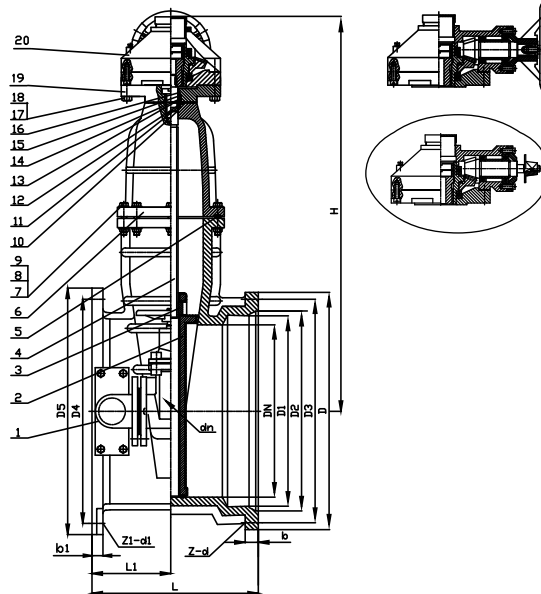


AWWA C509 Flanged x Mechanical Joint Gate Valve  
With Handwheel & Gearbox & Bypass 250PSI  
(JH004X-GB)



MATERIAL SPECIFICATION

| Part No. | Description | Material Specification        | Options                   |
|----------|-------------|-------------------------------|---------------------------|
| 1        | Body        | Ductile Iron ASTM A536        |                           |
| 2        | Wedge       | DI ASTM A536 +EPDM ASTM D2000 |                           |
| 3        | Stem Nut    | Brass ASTM B16                |                           |
| 4        | Stem        | Stainless Steel SS316         | Stainless Steel 304/Brass |
| 5        | Gasket      | EPDM ASTM D2000               |                           |
| 6        | Bonnet      | Ductile Iron ASTM A536        |                           |
| 7        | Bonnet Bolt | Stainless Steel SS316         | Stainless Steel 304       |
| 8        | Nut         | Stainless Steel SS316         | Stainless Steel 304       |
| 9        | Washer      | Stainless Steel SS316         | Stainless Steel 304       |
| 10       | O-Ring      | EPDM ASTM D2000               |                           |
| 11       | Minipad     | 14-24" PTFE                   |                           |
|          | Bearing     | 30-48" Stainless Steel SS316  |                           |
| 12       | O-Ring      | EPDM ASTM D2000               |                           |
| 13       | O-Ring      | EPDM ASTM D2000               |                           |
| 14       | O-Ring      | EPDM ASTM D2000               |                           |
| 15       | Seal Ring   | Brass ASTM B16                |                           |
| 16       | Dust Ring   | EPDM ASTM D2000               |                           |
| 17       | Bolt        | Stainless Steel SS316         | Stainless Steel 304       |
| 18       | Washer      | Stainless Steel SS316         | Stainless Steel 304       |
| 19       | Gland       | Ductile Iron ASTM A536        |                           |
| 20       | Gear Box    |                               |                           |

- Connection Ends: Flanged to ASME B16.1 CL125 / ASME B16.42 CL150  
Mechanical Joint to ANSI/AWWA C153/A21.53/  
ANSI/AWWA C110/A21.10
- Working Pressure: 250PSI
- Temperature Range: 32 -176
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550
- All JH Series Can Be Equipped with Gearbox

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

| ITEM NO.    | Dimensions(Inch) |        |       |      |    |       |            |       |       |       |      |    |       |       |       |        |      |
|-------------|------------------|--------|-------|------|----|-------|------------|-------|-------|-------|------|----|-------|-------|-------|--------|------|
|             | Size             | Flange |       |      |    |       | Mechanical |       |       |       |      |    |       | L     | L1    | H      | dn   |
|             |                  | D5     | D4    | b1   | z1 | d1    | D          | D1    | D2    | D3    | b    | z  | d     |       |       |        |      |
| JH004X-GB14 | 14"              | 21.00  | 18.75 | 1.38 | 12 | 1.125 | 20.31      | 15.44 | 16.54 | 18.75 | 1.31 | 10 | 0.875 | 14.50 | 7.50  | 36.73  | 1.5" |
| JH004X-GB16 | 16"              | 23.50  | 21.25 | 1.44 | 16 | 1.125 | 22.56      | 17.54 | 18.64 | 21.00 | 1.38 | 12 | 0.875 | 16.99 | 8.00  | 39.76  | 1.5" |
| JH004X-GB18 | 18"              | 25.00  | 22.75 | 1.56 | 16 | 1.250 | 24.83      | 19.64 | 20.74 | 23.25 | 1.44 | 12 | 0.875 | 18.15 | 8.50  | 42.87  | 1.5" |
| JH004X-GB20 | 20"              | 27.50  | 25.00 | 1.69 | 20 | 1.250 | 27.08      | 21.74 | 22.84 | 25.50 | 1.50 | 14 | 0.875 | 19.00 | 9.00  | 45.98  | 1.5" |
| JH004X-GB24 | 24"              | 32.00  | 29.50 | 1.88 | 20 | 1.375 | 31.58      | 25.94 | 27.04 | 30.00 | 1.62 | 16 | 0.875 | 21.00 | 10.00 | 52.28  | 2"   |
| JH004X-GB30 | 30"              | 38.75  | 36.00 | 2.12 | 28 | 1.375 | 39.12      | 32.17 | 33.46 | 36.88 | 1.81 | 20 | 1.125 | 24.02 | 12.00 | 73.74  | 3"   |
| JH004X-GB36 | 36"              | 46.00  | 42.75 | 2.38 | 32 | 1.625 | 46.00      | 38.47 | 39.76 | 43.75 | 2.00 | 24 | 1.125 | 27.99 | 14.00 | 76.46  | 3"   |
| JH004X-GB42 | 42"              | 53.00  | 49.50 | 2.62 | 36 | 1.625 | 53.12      | 44.67 | 45.96 | 50.62 | 2.00 | 28 | 1.375 | 35.98 | 18.00 | 93.39  | 4"   |
| JH004X-GB48 | 48"              | 59.50  | 56.00 | 2.75 | 44 | 1.625 | 60.00      | 50.97 | 52.26 | 57.50 | 2.00 | 32 | 1.375 | 43.51 | 22.00 | 108.94 | 4"   |