

# AWWA C515-09 Resilient Seat GATE VALVES

# Model 2010-Series A Non Rising Stem



## MATERIAL LIST

| DESCRIPTION                 | MATERIAL  |
|-----------------------------|---|
| Hex Bolt                    | 304 Stn. Stl.                                     |
| Washer                      | 304 Stn. Stl.                                     |
| Dirt Seal                   | EPDM  |
| O-Ring (Bonnet Cap, Stem)   | EPDM  |
| O-Ring (Bonnet Cap, Bonnet) | EPDM  |
| O-Ring (Stem)               | EPDM  |
| O-Ring (Bonnet to Body)     | EPDM  |
| Gate                        | EPDM Encapsulated DI                              |
| Operating Nut               | Ductile Iron ASTM A536 65-42-12                   |
| Stem (2"~12")               | AISI SS 420, 304, 316<br>Optional - C86700 Bronze |
| Stem (14"~24")              | AISI SS 431, 304, 316<br>Optional - C86700 Bronze |
| Bonnet Cap                  | Ductile Iron ASTM A536 65-45-12                   |
| Split Ring (Stem)           | Bronze C67400                                     |
| Bonnet                      | Ductile Iron ASTM A536 65-45-12                   |
| Body                        | Ductile Iron ASTM A536 65-45-12                   |
| Bonnet Bolts                | 304 Stn. Stl.                                     |
| Gate (Stem) Nut             | Bronze C67400                                     |
| Debris Cap                  | Plastic   |

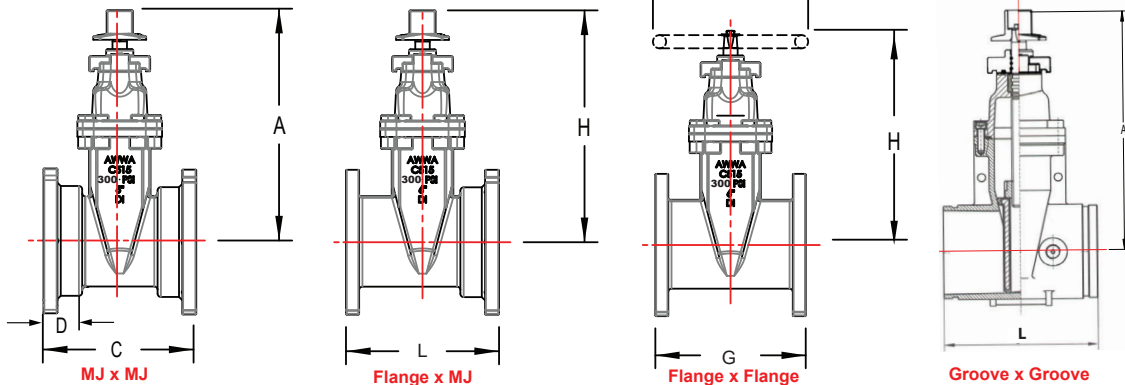
Design and materials are subject to change without notice.



**Available:**  
MJ x Flange  
Flange x Flange  
Flange x Flange w/Metric Raised Face  
MJ x MJ  
Groove x Groove

### Description:

- Conforms to AWWA C515-09, MSS-SP-70
- MJ dimensions conform to AWWA C153.
- Flange drilling to ANSI 125/150. Metric PN10/PN16 drilling is available upon request.
- Fusion Bond Epoxy Coated Interior and Exterior to AWWA C550 Standard. NSF-61 Certified.
- 2" Square Operating Nut provided. Color coded black. (open right valves provided with RED operating nuts).
- Compatible with all industry standard Vertical Indicator Posts (NFPA 24).
- Working Pressure:  
UL/FM rated working pressure: 2-1/2"~12" - 300 psi  
UL/FM rated working pressure: 14"~16" - 250 psi  
UL rated working pressure: 18" - 250 psi  
UL rated working pressure: 20" & 24" - 200 psi  
FM rated working pressure: 18"~24" - 200 psi
- Temperature: -23°C (-10°F) to 110°C (230°F)



## DIMENSIONAL DATA

| Size   | Part No. (MJ x MJ) | A     | C     | D   | Part No. (Flange x MJ) | L     | H     | Part No. (Flange x Flange) | G    | H     | Part No. (Groove x Groove) | A     | L    | Turns to Open | B Handwheel Ø |
|--------|--------------------|-------|-------|-----|------------------------|-------|-------|----------------------------|------|-------|----------------------------|-------|------|---------------|---------------|
| 2"     | 2010MM-120-A       | 10.40 | 9.25  | 2.5 | 2010FM-120-A           | 8.13  | 10.40 | 2010FF-120-A               | 7.0  | 9.50  | 2010GG-120-A               | 11.00 | 7.0  | 6.5           | 7             |
| 2-1/2" | 2010MM-125-A       | 11    | 9.25  | 2.5 | 2010FM-125-A           | 8.13  | 11    | 2010FF-125-A               | 7.5  | 10.00 | 2010GG-125-A               | 11.00 | 7.5  | 8.5           | 7             |
| 3"     | 2010MM-130-A       | 11.8  | 9.5   | 2.5 | 2010FM-130-A           | 8.74  | 11.8  | 2010FF-130-A               | 8.0  | 11.00 | 2010GG-130-A               | 12.00 | 8.0  | 10.5          | 10            |
| 4"     | 2010MM-140-A       | 13.8  | 10    | 2.5 | 2010FM-140-A           | 9.50  | 13.8  | 2010FF-140-A               | 9.0  | 13.00 | 2010GG-140-A               | 12.76 | 9.0  | 14            | 10            |
| 5"     | -                  | -     | -     | -   | -                      | -     | -     | 2010FF-150-A               | 10.0 | 15.50 | 2010GG-150-A               | 15.50 | 10.0 | 16            | 12            |
| 6"     | 2010MM-160-A       | 17.9  | 11.5  | 2.5 | 2010FM-160-A           | 11.00 | 17.9  | 2010FF-160-A               | 10.5 | 17.30 | 2010GG-160-A               | 16.85 | 10.5 | 20            | 12            |
| 8"     | 2010MM-180-A       | 21.5  | 12.5  | 2.5 | 2010FM-180-A           | 12.00 | 21.5  | 2010FF-180-A               | 11.5 | 20.80 | 2010GG-180-A               | 21.14 | 11.5 | 25.5          | 14            |
| 10"    | 2010MM-200-A       | 25.4  | 14.75 | 2.5 | 2010FM-200-A           | 13.88 | 25.4  | 2010FF-200-A               | 13.0 | 25.00 | 2010GG-200-A               | 25.20 | 13.0 | 31.8          | 16            |
| 12"    | 2010MM-220-A       | 28.8  | 14.88 | 2.5 | 2010FM-220-A           | 14.44 | 28.8  | 2010FF-220-A               | 14.0 | 28.30 | 2010GG-220-A               | 28.46 | 14.0 | 38            | 16            |
| 14"    | 2010MM-240-A       | 36.1  | 17    | 3.5 | 2010FM-240-A           | 16.50 | 36.1  | 2010FF-240-A               | 15.0 | 32.87 | -                          | -     | -    | 45            | 22            |
| 16"    | 2010MM-260-A       | 39.0  | 17    | 3.5 | 2010FM-260-A           | 16.50 | 39.0  | 2010FF-260-A               | 16.0 | 35.83 | -                          | -     | -    | 51            | 22            |
| 18"    | 2010MM-280-A       | 41.34 | 17    | 3.5 | -                      | -     | -     | 2010FF-280-A               | 17.0 | 41.00 | -                          | -     | -    | 57.5          | 22            |
| 20"    | 2010MM-300-A       | 44.09 | 18    | 3.5 | -                      | -     | -     | 2010FF-300-A               | 18.0 | 44.00 | -                          | -     | -    | 42            | 24            |
| 24"    | 2010MM-340-A       | 50.79 | 20    | 3.5 | -                      | -     | -     | 2010FF-340-A               | 20.0 | 50.79 | -                          | -     | -    | 50.8          | 30            |



**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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