

250 lb. WWP Iron Body Gate Valves

Fire Protection Valve • Bolted Bonnet • Indicator Post Pattern • Non-Rising Stem •
Resilient Wedge • Epoxy Coated Interior/Exterior

250 PSI/17.2 Bar Non-Shock Cold Working Pressure
(160° F/71° C max. operating temperature)

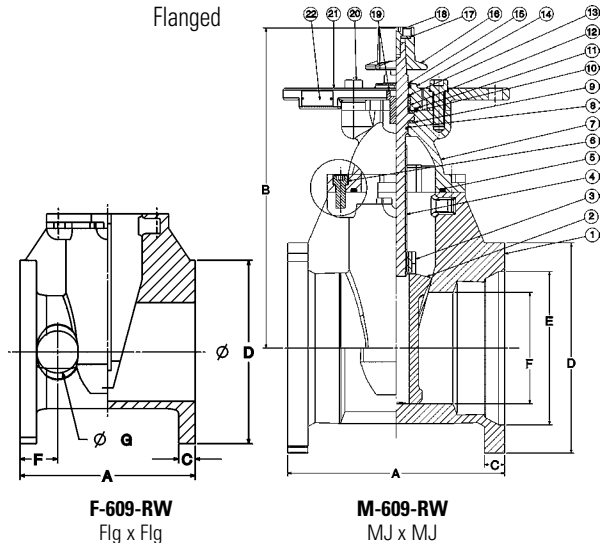
UL/ULC LISTED • FM APPROVED •
AWWA C-509 & 515 • NEW YORK CITY
M.E.A. APPROVED 236-93A



M-609-RW
Mechanical

F-609-RW
Flanged

| PART | SPECIFICATION |
|--------------------------------|--|
| 1. Valve Body | Ductile Iron ASTM A 536 |
| 2. Resilient Wedge | Ductile Iron ASTM A 536/EPDM ASTM D 2000 |
| 3. Wedge Nut | Bronze ASTM B 584 UNS C83600 |
| 4. Stem | Bronze ASTM B 150 UNS C61400 |
| 5. Bonnet Gasket | EPDM ASTM D 2000 |
| 6. Bonnet Screw | (F) Alloy Steel ASTM A 574M Zinc Plated (M) 18-8 Stainless Steel ASTM 193 |
| 7. Bonnet | Ductile Iron ASTM A 536 |
| 8. Stem Primary O-Ring | EPDM ASTM D 2000 |
| 9. Stem Thrust Washer (lower) | Bronze ASTM B 584 UNS C83600 |
| 10. Stem Thrust Washer (upper) | Stainless Steel ASTM A 276 UNS S41000 |
| 11. Gland Seal O-Ring | EPDM ASTM D 2000 |
| 12. Stem Seal Bushing | Bronze ASTM B 584 UNS C83600 |
| 13. Stem Secondary O-Ring | EPDM ASTM D 2000 |
| 14. Gland Flange | Ductile Iron ASTM A 536 |
| 15. Stem Ring Wiper | EPDM ASTM D 2000 |
| 16. Square Operating Nut | Cast Iron ASTM A 126-B |
| 17. Operating Nut Washer | Carbon Steel Zinc Plated |
| 18. Operating Nut Screw | Alloy Steel ASTM A 574M Zinc Plated |
| 19. Gland Flange Screw | Alloy Steel ASTM A 574M Zinc Plated |
| 20. Indicator Flange Screw | Alloy Steel ASTM A 574M Zinc Plated |
| 21. Indicator Post Flange | Ductile Iron ASTM A 536 |
| 22. UL/FM Label | Aluminum |



F-609-RW
Flg x Flg

M-609-RW
MJ x MJ

NOTE: Body, Bonnet and Ind. Post Flange coated with electrostatically applied fusion bonded epoxy resin inside and outside per AWWA C-550.
Epoxy NSF and FDA certification

DIMENSIONS—WEIGHTS—QUANTITIES

| Size | M-609-RW Dimensions | | | | | | | | | | | | Bolt | | | | Weight | | |
|------|---------------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|--------|--------|-------|-------|--------|---------|------|
| | A | | B | | C | | D | | E | | F | | Circle | Flange | Turns | Holes | | To Open | Lbs. |
| In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | | In. | | |
| 4 | 100 | 10.0 | 254 | 13.5 | 344 | 1.00 | 26 | 9.1 | 232 | 6.0 | 153 | 3.9 | 100 | 7.50 | 191 | 4 | 13.0 | 89 | 40 |
| 6 | 150 | 11.5 | 292 | 17.4 | 441 | 1.06 | 27 | 11.1 | 283 | 8.1 | 206 | 5.9 | 150 | 9.50 | 241 | 6 | 15.7 | 132 | 60 |
| 8 | 200 | 11.5 | 292 | 20.8 | 529 | 1.12 | 28 | 13.4 | 340 | 10.3 | 261 | 7.9 | 200 | 11.75 | 298 | 6 | 17.3 | 190 | 86 |
| 10 | 250 | 13.0 | 330 | 24.2 | 614 | 1.18 | 30 | 15.7 | 400 | 12.3 | 313 | 9.8 | 250 | 14.00 | 356 | 8 | 21.4 | 287 | 130 |
| 12 | 300 | 14.0 | 356 | 27.6 | 700 | 1.25 | 32 | 18.0 | 456 | 14.4 | 367 | 11.8 | 300 | 16.25 | 413 | 8 | 25.3 | 408 | 185 |

| Size | F-609-RW Dimensions | | | | | | | | | | | | Bolt | | | | Weight | | |
|------|---------------------|------|-----|------|-----|------|------|------|-----|------|-----|-----|--------|--------|-------|-------|--------|---------|------|
| | A | | B | | C | | D | | F | | G | | Circle | Flange | Turns | Holes | | To Open | Lbs. |
| In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | | In. | | |
| 4 | 100 | 9.0 | 229 | 13.5 | 344 | 0.94 | 24.0 | 9.0 | 229 | 2.13 | 54 | 2.1 | 54 | 7.50 | 191 | 8 | 13.0 | 91 | 41 |
| 6 | 150 | 10.5 | 267 | 17.4 | 441 | 1.00 | 25.4 | 11.0 | 279 | 2.24 | 57 | 2.5 | 64 | 9.50 | 241 | 8 | 15.6 | 142 | 65 |
| 8 | 200 | 11.5 | 292 | 20.8 | 529 | 1.13 | 28.6 | 13.5 | 343 | 2.48 | 63 | 2.8 | 70 | 11.75 | 298 | 8 | 17.3 | 216 | 98 |
| 10 | 250 | 13.0 | 330 | 24.2 | 614 | 1.19 | 30.2 | 16.0 | 406 | 2.56 | 65 | 2.8 | 70 | 14.25 | 362 | 12 | 21.4 | 314 | 143 |
| 12 | 300 | 14.0 | 356 | 27.6 | 700 | 1.25 | 31.8 | 19.0 | 483 | 2.91 | 74 | 3.4 | 86 | 17.00 | 432 | 12 | 25.3 | 446 | 203 |



FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, gate valve should be in an open position to allow complete drainage.