



## GATE VALVES

### 250PSI / 300PSI

Fireguard Valves conforms to the latest version of AWWA standard C509 covering resilient seated gate valves for water supply services. All valves design are optimized for consistent performance and are corrosion resistant.

Fireguard Valves have an iron body, bonnet, and O-ring plate.

The wedge is totally encapsulated with rubber.

The sealing rubber is permanently bonded to the wedge as per ASTM D429 Valves are supplied with O ring seals at all pressure retaining joints and no flat gaskets are used.

Valves are opened by turning left or right and provided with 2" square operating nut or a hand wheel with word Open and an arrow to indicate the direction to open.

Each valve casting have Fireguard name, Pressure rating and year in which it was manufactured.

Each valve is tested by Hydrostatic pressure equal to the requirements of AWWA C509 End connections include combinations of flanged, Grooved and mechanical joint.

The valve is rated at 250 Psi to 300 Psi.



Groove x Groove  
FGO135



Flange x Groove  
FGO138



Groover x Groove  
FGN105

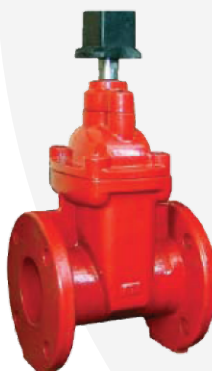


Flange x Groove  
FGN108

Resilient wedge Gate valves 2" – 16" is available as Non rising stem and as an OS&Y Gate valve in 2 1/2" – 16" sizes



Flanged FGO907



Flanged FGN909



Mechanical Joint  
FGMN939

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FS546607





# GATE VALVE



www.fireguard-Uk.com

Rising Stem Flanged Joint Ends Resilient  
Outside Screw and Yoke

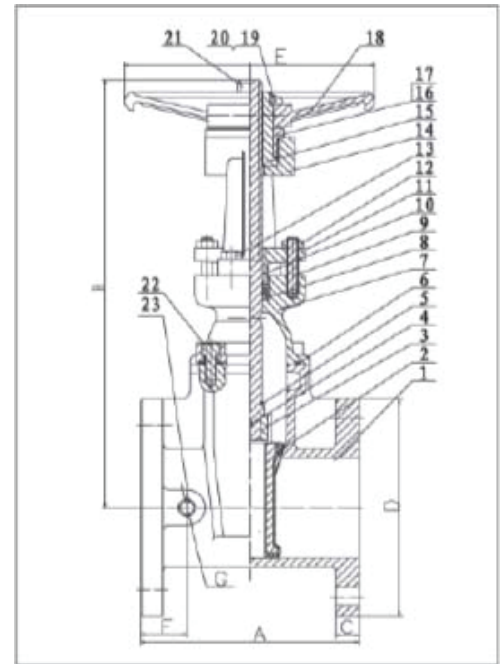
Wedge Gate Valve

AWWA C509 250PSI / 300PSI

Model FGO 907



Flanged  
FGO907



Flg x Flg

Freezing Weather Precaution:  
Subsequent to testing a piping system, valves should  
be in an open position to allow complete drainage.

## DIMENSIONS - WEIGHTS - QUANTITIES

| Size |     | Dimensions |     |        |      |          |      |      |      |      |     |      |     |      |    |     |    | Bolt Circle |       | Flange Holes | Turns To Open | Weight |     |
|------|-----|------------|-----|--------|------|----------|------|------|------|------|-----|------|-----|------|----|-----|----|-------------|-------|--------------|---------------|--------|-----|
|      |     | A          |     | B Open |      | B Closed |      | C    |      | D    |     | E    |     | F    |    | G   |    |             |       |              |               |        |     |
| In   | mm  | In         | mm  | In     | mm   | In       | mm   | In   | mm   | In   | mm  | In   | mm  | In   | mm | In  | mm | In          | mm    |              |               | lbs    | kg  |
| 2    | 50  | 7.0        | 178 | 17.2   | 437  | 15.1     | 384  | 0.63 | 16.0 | 6.0  | 152 | 7.9  | 200 | 1.50 | 38 | 1.6 | 40 | 4.74        | 120.5 | 4            | 6.3           | 44     | 20  |
| 2.5  | 65  | 7.5        | 190 | 17.8   | 453  | 14.9     | 378  | 0.69 | 17.5 | 7.0  | 178 | 7.9  | 200 | 1.50 | 38 | 1.6 | 40 | 5.50        | 140   | 4            | 8.8           | 45     | 20  |
| 3    | 80  | 8.0        | 203 | 19.7   | 500  | 15.9     | 405  | 0.75 | 19.0 | 7.5  | 191 | 7.9  | 200 | 1.73 | 44 | 2.1 | 54 | 6.00        | 152   | 4            | 10.5          | 53     | 24  |
| 4    | 100 | 9.0        | 229 | 21.0   | 534  | 16.6     | 422  | 0.94 | 24.0 | 9.0  | 229 | 10.2 | 260 | 2.13 | 54 | 2.1 | 54 | 7.50        | 191   | 8            | 10.4          | 94     | 43  |
| 6    | 150 | 10.5       | 267 | 29.3   | 744  | 22.9     | 581  | 1.00 | 25.4 | 11.0 | 279 | 12.4 | 315 | 2.24 | 57 | 2.5 | 64 | 9.50        | 241   | 8            | 15.7          | 154    | 70  |
| 8    | 200 | 11.5       | 292 | 37.0   | 939  | 28.5     | 724  | 1.13 | 28.6 | 13.5 | 343 | 14.8 | 375 | 2.48 | 63 | 2.8 | 70 | 11.75       | 298   | 8            | 17.2          | 247    | 112 |
| 10   | 250 | 13.0       | 330 | 44.8   | 1139 | 34.5     | 877  | 1.19 | 30.2 | 16.0 | 406 | 16.4 | 416 | 2.56 | 65 | 2.8 | 70 | 14.25       | 362   | 12           | 21.4          | 349    | 159 |
| 12   | 300 | 14.0       | 356 | 52.2   | 1326 | 39.9     | 1014 | 1.25 | 31.8 | 19.0 | 483 | 17.5 | 445 | 2.91 | 74 | 3.4 | 86 | 17.00       | 432   | 12           | 25.5          | 484    | 220 |
| 14   | 350 | 15         | 381 | 62.7   | 1592 | 48.3     | 1226 | 1.4  | 35   | 21   | 533 | 19.7 | 500 | 2.95 | 75 | 3.1 | 80 | 18.74       | 476   | 12           | 44            | 709    | 322 |
| 16   | 400 | 16         | 406 | 66.2   | 1682 | 50.7     | 1288 | 1.5  | 37   | 23.5 | 597 | 19.7 | 500 | 3.03 | 77 | 3.1 | 80 | 21.2        | 539.5 | 16           | 50            | 914    | 415 |





## Rising Stem Flanged Joint Ends Resilient Wedge Gate Valve AWWA C509 250PSI / 300PSI Model FGO 907

Bolted Bonnet · Rising Stem · Resilient Wedge · Flanged x Flanged

250Psi/300Psi/17.2 bar/20.7 bar Non shock cold working pressure

Confirms to AWWA C509

Coating-Electrostatically applied fusion bonded epoxy coated 0.2 – 0.5 mm inside and outside

Maximum operating temperature 160°F/ 71°C

### MATERIAL LIST

| Sr. No | Part                  | Specification                            |
|--------|-----------------------|--|
| 1      | Valve Body            | Ductile Iron ASTM A 536                  |
| 2      | Resilient Wedge       | Ductile Iron ASTM A 536/EPCM ASTM D 2000 |
| 3      | Wedge Nut             | Bronze ASTM B 584 UNS C83600             |
| 4      | Dowel Pin             | Stainless Steel ASTM A 276 UNS S42000    |
| 5      | Stem Back Seat O-Ring | EPDM ASTM D 2000                         |
| 6      | Bonnet Gasket         | EPDM ASTM D 2000                         |
| 7      | Bonnet                | Ductile Iron ASTM A 536                  |
| 8      | Stem Packing          | EPDM ASTM D 2000                         |
| 9      | Threaded Rod          | Carbon Steel-Zinc Plated                 |
| 10     | Gland Bushing         | ASTM B 584 Bronze ASTM B 584             |
| 11     | Gland                 | ASTM A126-B Cast Iron ASTM A126-B        |
| 12     | Gland Nut             | 18-8 Stainless Steel 18-8                |
| 13     | Yoke Screw            | Alloy Steel ASTM A 574M Zinc Plated      |
| 14     | Yoke                  | Cast Iron ASTM A 126-B                   |
| 15     | Yoke Bushing          | Bronze ASTM B 584                        |
| 16     | Flat Point Set Screw  | Alloy Steel ASTM F 912M Black Oxide      |
| 17     | Yoke Bushing Retainer | Cast Iron ASTM A 126-B                   |
| 18     | Handwheel             | Ductile Iron ASTM A 536                  |
| 19     | Handwheel Nut         | Carbon Steel Zinc Plated                 |
| 20     | Flat Head Screw       | Carbon Steel Zinc Plated                 |
| 21     | Stem                  | Stainless steel 304 or Bronze ASTM B 150 |
| 22     | Bonnet Screw          | Alloy Steel ASTM A 574M Zinc Plated      |
| 23     | NPT Pipe Plug         | Malleable Iron ANSI B16.3 (Epoxy Coated) |

