

## NRS Resilient Seated Gate Valve PN16 Fig. VA3243

### Specification

- ✓ Comply with standard BS5163.
- ✓ Triple O-Ring Stem Seal.
- ✓ Flange and Drilling comply with EN2-1092 PN10 or PN16. (Other Flange Types available upon request).
- ✓ Face to Face Dimensions comply with EN1-558 basic series 3.
- ✓ Rated Working Pressure 16bar.
- ✓ WRAS Approved: DI Body, DI Wedge encapsulated with portable water EPDM.
- ✓ VA3243C-Top CAP.

Black Protection under the hand wheel is necessary to protect the valve internal parts from the dust

### Corrosion Protection

- ✓ WRAS Listed fusion bonded epoxy coating, minimum thickness 250micron, Corrosion resistant construction

### Material Specification

| No. | Part Name     | Material                             | EN Specification      |
|-----|---------------|--------------------------------------|-----------------------|
| 1   | Body          | Ductile Iron                         | EN 1563 EN-GJS-10-450 |
| 2   | Wedge         | EPDM Fully Encapsulated Ductile Iron |                       |
| 3   | Wedge Nut     | Brass                                | EN 12164 CuZn39Pb1    |
| 4   | Stem          | Stainless Steel                      | EN 10088 X17CrNi 2-16 |
| 5   | Bonnet        | Ductile Iron                         | EN 1563 EN-GJS-10-450 |
| 6   | Valve Sleeve  | Rubber EPDM                          | EN681                 |
| 7   | Bushing       | Brass                                | EN 12164 CuZn39Pb1    |
| 8   | Scraper Seal  | Rubber EPDM                          | EN681                 |
| 9   | O-Ring        | Rubber NBR                           | EN681                 |
| 10  | O-Ring        | Rubber NBR                           | EN681                 |
| 11  | Snap Ring     | Brass                                | EN 12164 CuZn39Pb1    |
| 12  | Gasket        | PTFE                                 | Commercial            |
| 13  | Stem Seal     | Rubber NBR                           | EN681                 |
| 14  | Screw         | Carbon Steel                         | Grade 8.8             |
| 15  | Bonnet Gasket | Rubber EPDM                          | EN681                 |

### Options

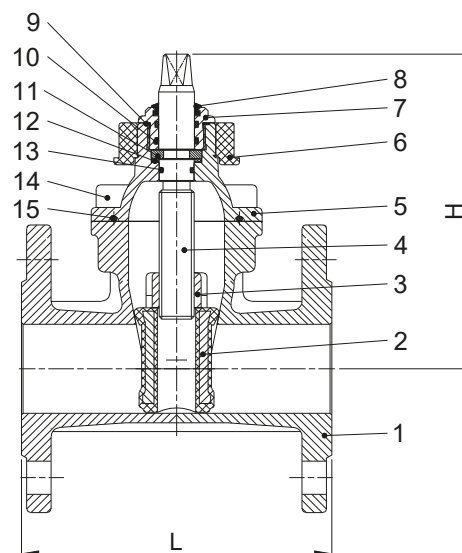
- ✓ Available with Handwheel, Operating Nut or Gearbox. (Bevel Gearbox or Spur Gearbox)
- ✓ The valve is suitable for buried service applications

### Main Dimensions (mm)

| Size | DN50  | DN65  | DN80  | DN100 | DN125 | DN150 | DN200  | DN250  | DN300  | DN350 |
|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|
| L    | 178   | 191   | 203   | 229   | 254   | 267   | 292    | 330    | 356    |       |
| H    | 265   | 280   | 305   | 340   | 380   | 455   | 540    | 630    | 710    | 727   |
| D    | 175   | 175   | 255   | 255   | 305   | 305   | 355    | 405    | 405    | 558   |
| Size | DN400 | DN450 | DN500 | DN600 | DN700 | DN800 | DN1000 | DN1200 | DN1400 | -     |
| L    | 406   | 432   | 457   | 508   | 610   | 660   | 811    | 1015   | 1080   | -     |
| H    | 792   | 907   | 992   | 1122  | 1421  | 1595  | 2094   | 2429   | 2826   | -     |
| D    | 558   | 558   | 610   | 762   | -     | -     | -      | -      | -      | -     |

### Features

|                                                                                       |                                                              |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Rating                                                                                | PN16                                                         |
| Connection                                                                            | Flanged BS EN2-1092, PN16 (ex BS 4504)                       |
| Working Medium                                                                        | Water, Oil, Steam                                            |
| Non-Rising Stem, Resilient Seat, Epoxy Coated, EPDM Coated Disc, Raised Face Flanges. |                                                              |
| HYDROSTATIC TEST PRESSURE                                                             | WORKING TEMPERATURE                                          |
| Shell - 24 bar<br>Seat - 17.6 bar                                                     | 16 Bar - 10°C to 120°C Water<br>WRAS approved - 10°C to 85°C |



### Notes

Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.