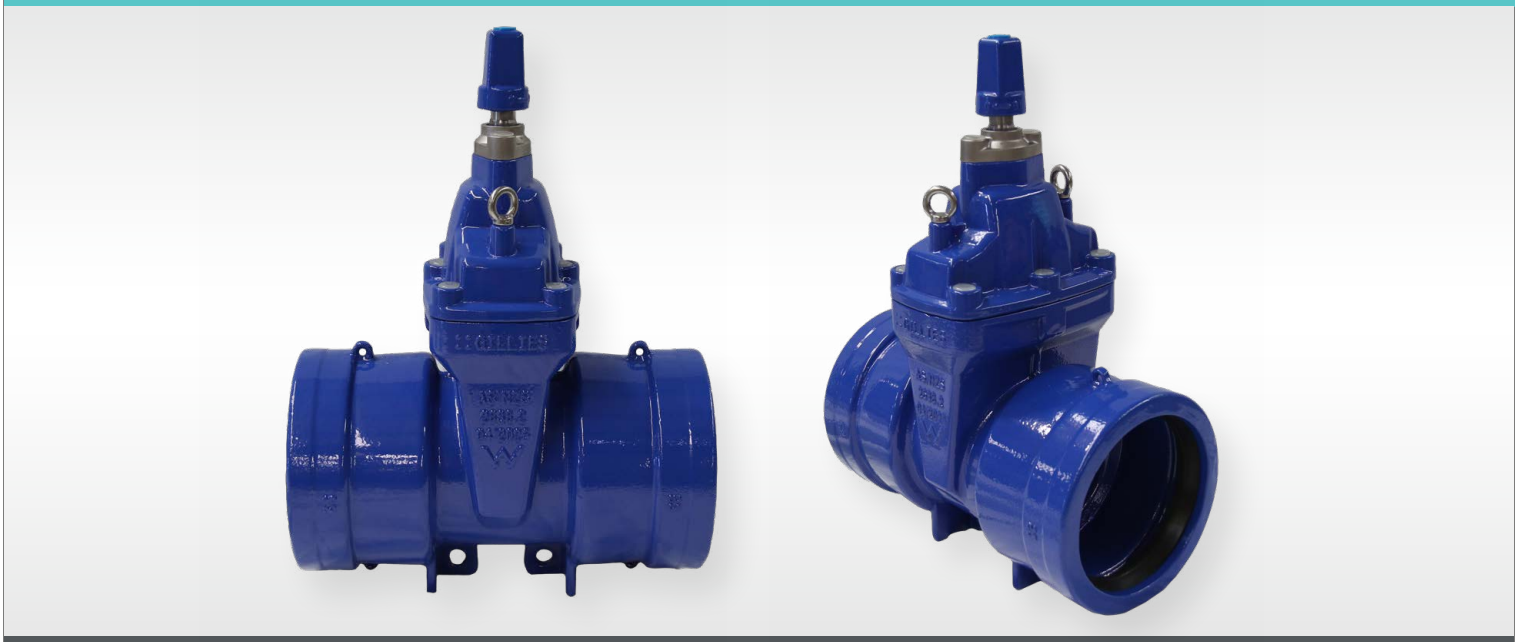
HYGRADEWATER INFRASTRUCTURE

GILLIES - EST. 1943 -

# Gillies Resilient Seated Socket End Gate Valves

Gillies Resilient Seated Gate Valves are designed and manufactured to AS/NZS 2638.2. These valves are suitable for use in potable water and for installation above or below ground.



TECHNICAL GUIDE: **AVH1.40**

### Applications

Potable water networks, Bulk water storage, Process water systems, Pump stations, Neutral liquids without solids

### Product Attributes

PN16 Rated

Available as Anti-Clockwise and Clockwise Closing

Smooth straight through bore

Suitable for actuation

### Approvals/Standards

AS/NZS 2638.2:2011 Gate Valves for Water Works – Resilient Seated

Socket designed in accordance with AS/NZS 2280

Coating complies with AS/NZS 4158 and AS/NZS 4020 for potable water

### Quality/Environment/Health & Safety

ISO 9001:2015 Quality Management Standard

Lead Free

*Licence Number: 23494*

WATER SERVICES ASSOCIATION OF AUSTRALIA

*Appraisal Number: PA 2508*

*Licence Number: 4085*

Gillies Resilient Seated Socket End Gate Valves are manufactured from high strength and corrosion resistant materials to provide reliable service in potable water networks. These valves are PN16 rated, available in DN100 – DN200 as anti-clockwise or clockwise closing.

## Product Features

- Anti-clockwise closing or clockwise closing available.
- Smooth straight-through bore prevents debris build up.
- Ductile Iron body and bonnet for high strength and impact resistance.
- Ductile Iron wedge fully encapsulated by EPDM elastomer to ensure a drip tight seal.
- 431 Grade Stainless Steel Stem and 316 Grade Stainless Steel Bolts for high corrosion resistance.
- Spindle O-Rings are replaceable under operating pressure.
- Fusion Bonded Epoxy coating to AS/NZS 4158 provides long lasting corrosion protection.

## Accessories

- Supplied with Spindle Cap as standard.
- Handwheels available as optional.
- Actuator Adaptor with ISO flange drilling available as optional*.

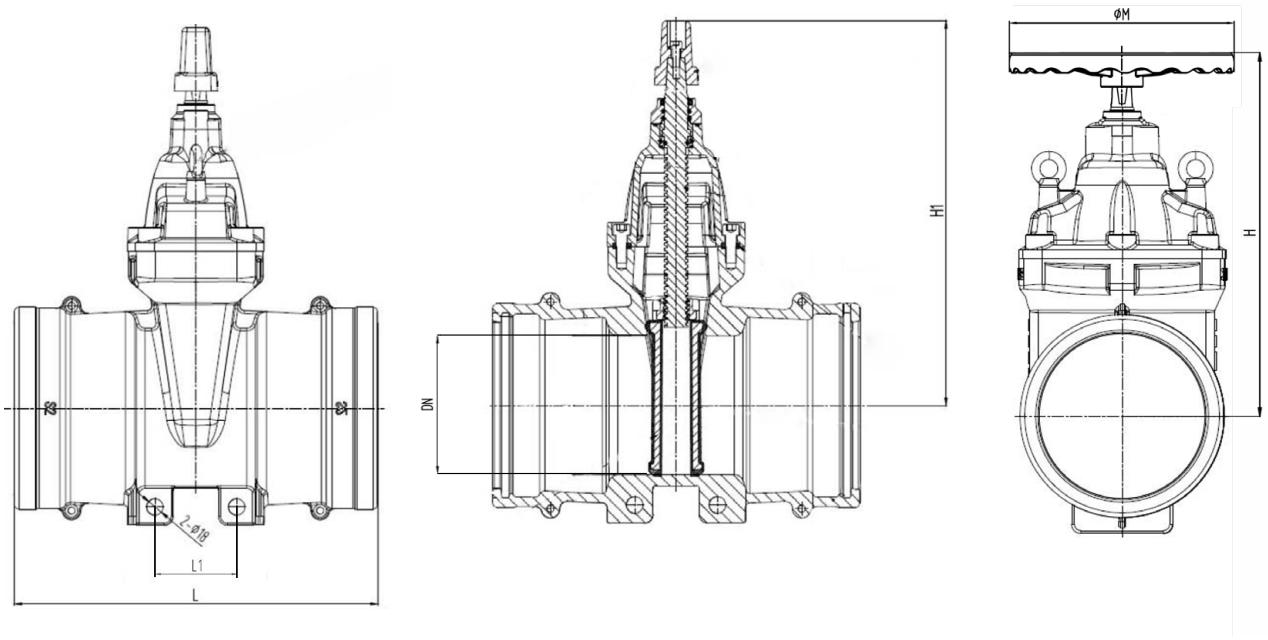
** Spindle change is required.*

## Technical Specifications

- Size Range: DN100 – DN200
- Complies with AS/NZS 2638.2:2011
- Socket designed in accordance with AS/NZS 2280
- Coating complies with AS/NZS4158
- Potable water compliant to AS/NZS 4020
- Maximum operating temperature: 40°C
- Allowable operating pressure: 16 Bar
- This product complies with the requirements of Lead-Free Standards as defined in the National Construction Code Volume 3 and is suitable for use as part of Lead-Free installation.

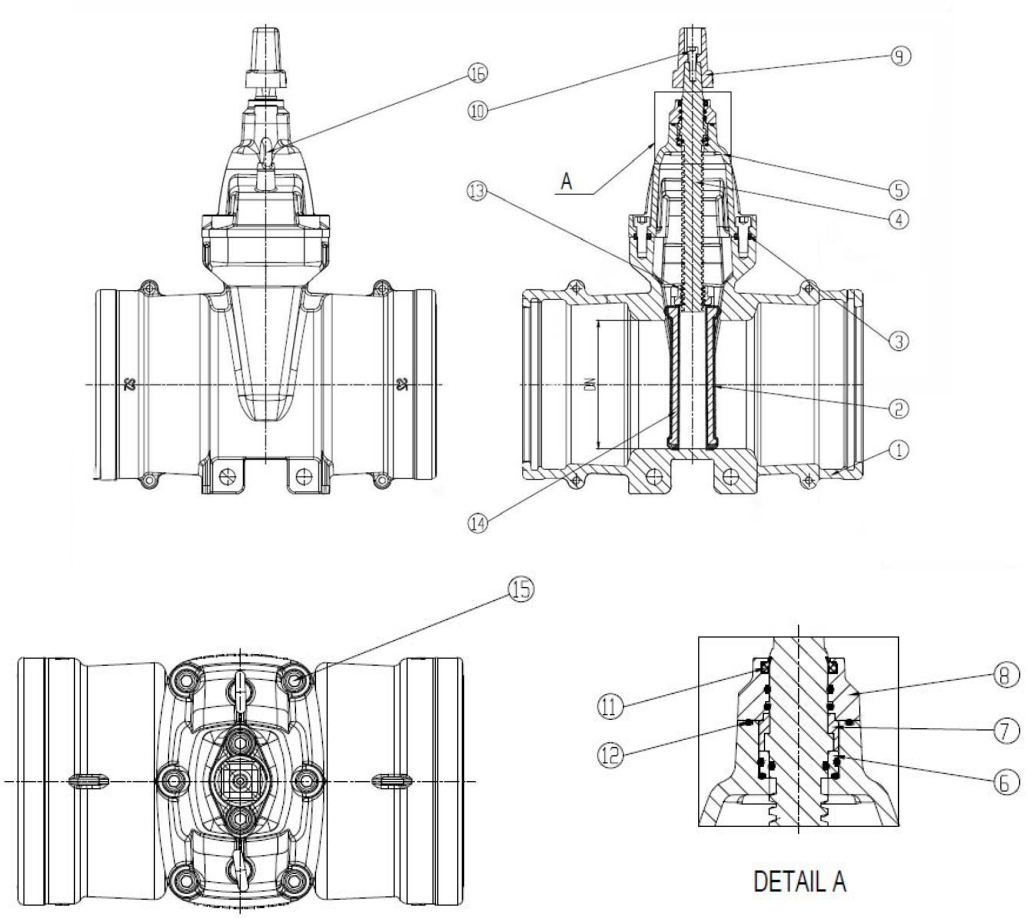
## Installation

- Suitable for above or below ground installation in accordance to relevant local authority requirements and regulatory codes.




| Code | DN | L | L1 | Turns to Close | Closing Torque (Nm) | M | H | H1 | PVC Series | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| VGRS100SO | 100 | 350 | 120 | 11 | 80 | Ø220 | 320 | 335 | 2 | 21 |
| VGRS150SO | 150 | 400 | 150 | 16 | 120 | Ø280 | 400 | 410 | 2 | 34 |
| VGRS200SO | 200 | 480 | 170 | 18 | 150 | Ø315 | 495 | 545 | 2 | 58 |

***Note:*** *AQ Joint Series 2 supplied as standard. Z Joint Series 1 available on request.*




| No. | Component | Material |
|---|---|---|
| 1 | Body | Ductile Iron (500-7) |
| 2 | Disc | EPDM + Ductile Iron (500-7) |
| 3 | Bonnet Gasket | EPDM (WRAS) |
| 4 | Stem | AISI431 Stainless Steel |
| 5 | Bonnet | Ductile Iron (500-7) |
| 6 | Thrust Washer | Bronze (C95210) |
| 7 | Thrust Sleeve | Bronze (C95210) |
| 8 | Gland | CF8M Stainless Steel |
| 9 | Handwheel/Cap | Ductile Iron (500-7) |
| 10 | Bolt | AISI316 Stainless Steel |
| 11 | Dustcover | NBR |
| 12 | O-Ring | EPDM (WRAS) |
| 13 | Stem Nut | Bronze (C95210) |
| 14 | Core | Ductile Iron (500-7) |
| 15 | Screw | AISI316 Stainless Steel |
| 16 | Lifting Bolt | AISI316 Stainless Steel |

Scan for more information

**Disclaimer**: While every effort has been made to ensure that the information in this document is correct and accurate, users of Hygrade Water Infrastructure product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hygrade Water Infrastructure unless expressly stated in any sale and purchase agreement entered into between Hygrade Water Infrastructure and the user.

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