



## SUREFLOW GATE VALVE, FLANGED LONG

SS stem, ISO Mounting Flange, EPDM Seal, ACC/CC, DN450-600

2570/42-001

Sureflow gate valves are designed with built-in safety in every detail. The wedge is fully vulcanized with drinking water approved EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to retain its original shape, the double bonding vulcanization process and the sturdy wedge design. The triple stem seal system, high strength stem and thorough corrosion protection safeguard the unmatched reliability.

### Product description:

Flanged gate valve for potable water and neutral liquids to max. 70°C.

### Standards:

- Designed according to AS/NZS 2638.2
- Face-to-face dimension according to AS/NZS 2638.2
- Flange drilling to AS/NZS 4087 B5 PN16
- Flange drilling to AS 2129 Table E
- Approved to AS/NZS 4020

### Features:

- Fixed, integral wedge nut prevents vibration
- Polyamide wedge shoes protect the wedge rubber during opening and closing and reduce friction
- Stainless steel stem with wedge stop
- A large conical stem hole in the wedge prevents stagnant water
- Three independent stem seals: a metal reinforced wiper ring protects against external dust, four O-rings surround the radial bearing and innermost an EPDM O-ring is the main seal to the flow
- Removable gland flange for under-pressure replacement of thrust- and radial bearings and seals
- ISO mounting flange F16 (F14 compatible); electric actuator or gearbox is recommended
- Round bonnet gasket fixed in a recess to prevent blow-out with integral bolt sealing
- Counterbored stainless steel bonnet bolts encircled by the bonnet gasket and sealed with hotmelt glue
- Integrated lifting eyes for easy handling
- Epoxy coating to AS/NZS 4158
- StandardsMark and WaterMark approved to AS/NZS 2638.2
- Bosses for by-pass valve

### Accessories:

- Gearbox, actuator and handwheel
- DN 100 or DN 150 by-pass valves



Quality  
ISO 9001  
SAI GLOBAL



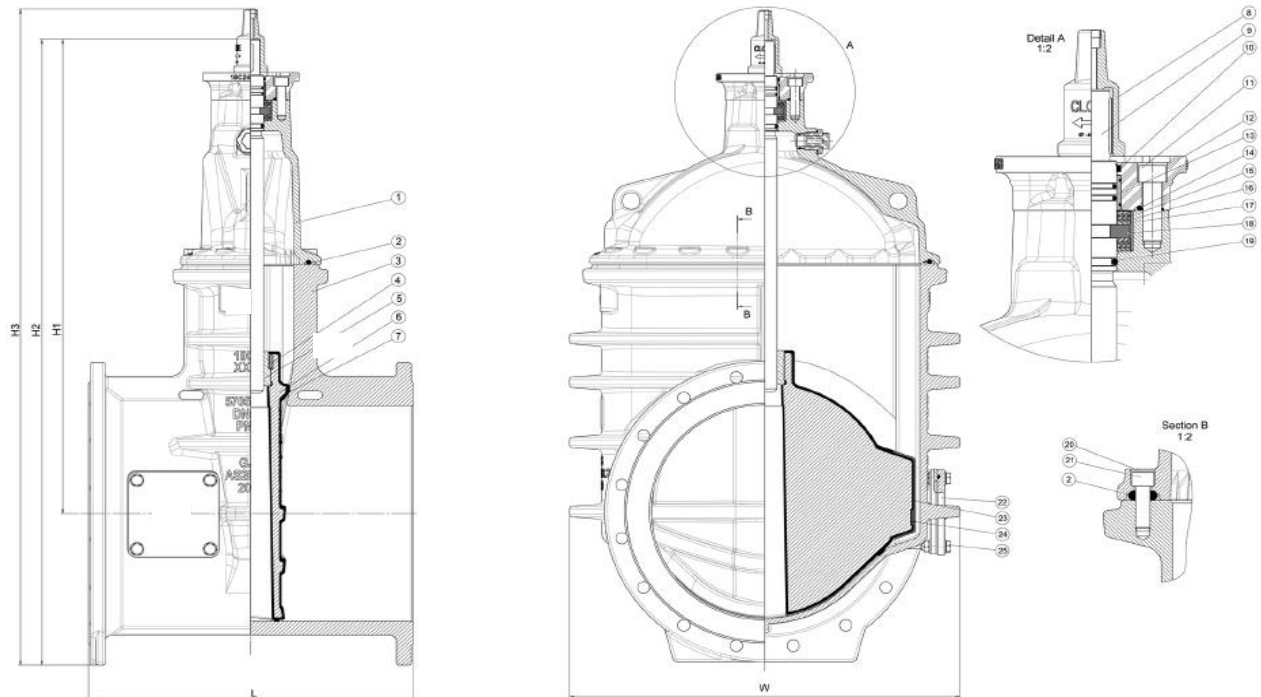
Health & Safety  
AS 4801  
SAI GLOBAL



Environment  
ISO 14001  
SAI GLOBAL



**sureflow®**

**SUREFLOW GATE VALVE, FLANGED LONG****2570/42-001****SS stem, ISO Mounting Flange, EPDM Seal, ACC/CC, DN450-600****Component list:**

|                       |                        |                    |                        |
|-----------------------|------------------------|--------------------|------------------------|
| 1. Bonnet             | Ductile iron GJS-500-7 | 14. O-ring         | NBR rubber             |
| 2. Bonnet gasket      | EPDM rubber            | 15. Bushing        | Polyamide              |
| 3. Body               | Ductile iron GJS-500-7 | 16. Thrust bearing | CSB                    |
| 4. Lock pin           | Steel                  | 17. Support washer | Stainless steel 1.4057 |
| 5. Wedge nut          | Brass, DZR CZ132       | 18. Thrust collar  | Stainless steel 1.4057 |
| 6. Wedge rubber       | EPDM rubber            | 19. Stem seal      | EPDM rubber            |
| 7. Wedge core         | Ductile iron GJS-500-7 | 20. Seal           | Hot melt glue          |
| 8. Stem cap           | Ductile iron GJS-500-7 | 21. Bonnet bolt    | Stainless steel A4     |
| 9. Stem               | Stainless steel 1.4057 | 22. Blanking plate | Ductile iron GJS-500-7 |
| 10. Wiper ring        | NBR rubber             | 23. Wedge shoe     | Polyamide              |
| 11. Gland flange bolt | Stainless steel A4     | 24. C-clip         | Brass                  |
| 12. Gland flange      | Ductile iron GJS-500-7 | 25. Bolt           | Stainless steel A4     |
| 13. Radial bearing    | Bronze CC491           |                    |                        |

Components can be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

| Sureflow ref. nos.  | Closing Direction | DN<br>mm | Flange<br>drilling | H1<br>mm | H2<br>mm | H3<br>mm | L<br>mm | W<br>mm | Weight<br>kg |
|---------------------|-------------------|----------|--------------------|----------|----------|----------|---------|---------|--------------|
| 2570-450-42-2540120 | CC                | 450      | AS/ NZS 4087B5     | 1077     | 1397     | 1467     | 660     | 861     | 540          |
| 2570-450-42-3540120 | ACC               | 450      | AS/NZS 4087 B5     | 1077     | 1397     | 1467     | 660     | 861     | 540          |
| 2570-450-42-2640120 | CC                | 450      | AS2129 E           | 1077     | 1397     | 1467     | 660     | 861     | 540          |
| 2570-450-42-3640120 | ACC               | 450      | AS2129 E           | 1077     | 1397     | 1467     | 660     | 861     | 540          |
| 2570-500-42-2540120 | CC                | 500      | AS/NZS 4087 B5     | 1105     | 1457     | 1527     | 710     | 860     | 580          |
| 2570-500-42-3540120 | ACC               | 500      | AS/NZS 4087 B5     | 1105     | 1457     | 1527     | 710     | 860     | 580          |
| 2570-600-42-2540120 | CC                | 600      | AS/NZS 4087 B5     | 1244     | 1656     | 1726     | 785     | 969     | 805          |
| 2570-600-42-3540120 | ACC               | 600      | AS/NZS 4087 B5     | 1244     | 1656     | 1726     | 785     | 969     | 805          |
| 2570-600-42-2640120 | CC                | 600      | AS2129 E           | 1244     | 1656     | 1726     | 785     | 969     | 805          |
| 2570-600-42-3640120 | ACC               | 600      | AS2129 E           | 1244     | 1656     | 1726     | 785     | 969     | 805          |