



SUREFLOW METAL SEATED GATE VALVE, PN35

2580/83-004

CC/ACC, ISO Mounting Flange (Stem Cap), AS/NZS 4087 B6, S&C, Bypass, DN375-600

Sureflow metal seated wedge gate valves are primarily designed for the flow isolation of a length of pipeline or piece of equipment. It uses a ductile iron gate that houses bronze rings to ensure a watertight seal.

Product description:

Metal seat gate valve for water, sewage and neutral liquids to max. 70°C

Standards:

- Designed to: AS/NZS 2638.1
- Face to Face: AS/NZS 2638.1
- Flange drilling: AS/NZS 4087 B6

Test/Approvals:

- Seat: 1.1 x PN. Body: 1.5 x PN
- StandardsMark and WaterMark approved to AS/NZS 2638.1

Features:

- Bronze wedge nut with lubricating abilities providing optimum compatibility with stem
- The wedge face ring is machined to a fine surface finish to ensure optimum compatibility with body seat rings
- Wedge with guides, which ensures a uniform closure
- Copper alloy shoes and channels provide low friction guides for the wedge when opening and closing
- A large through bore housing for the stem in the wedge prevents stagnant water or impurities
- Stainless steel stem and bolts for increased corrosion resistance
- Stainless steel thrust washer, bronze thrust collar and thrust bearing provides stem stability and low free running torque
- Seal housing incorporates inner/outer o-ring seals and wiper ring for long life operation
- Stem sealing replaceable under pressure
- Backseal grommet and stem O-ring serve as main hydraulic seal to the flow
- Round bonnet gasket is fixed in a recess to prevent blowout, and includes integral o-rings for bolt sealing
- Full bore
- Lifting eyes for easy handling
- Blue fusion bonded epoxy coating according to AS/NZS 4158
- Potable Water Approval to AS/NZS 4020
- Bypass valves S580 DN100 for DN375/450 and S580 DN150 for DN500/600

Accessories:

Gearbox, actuator, handwheel



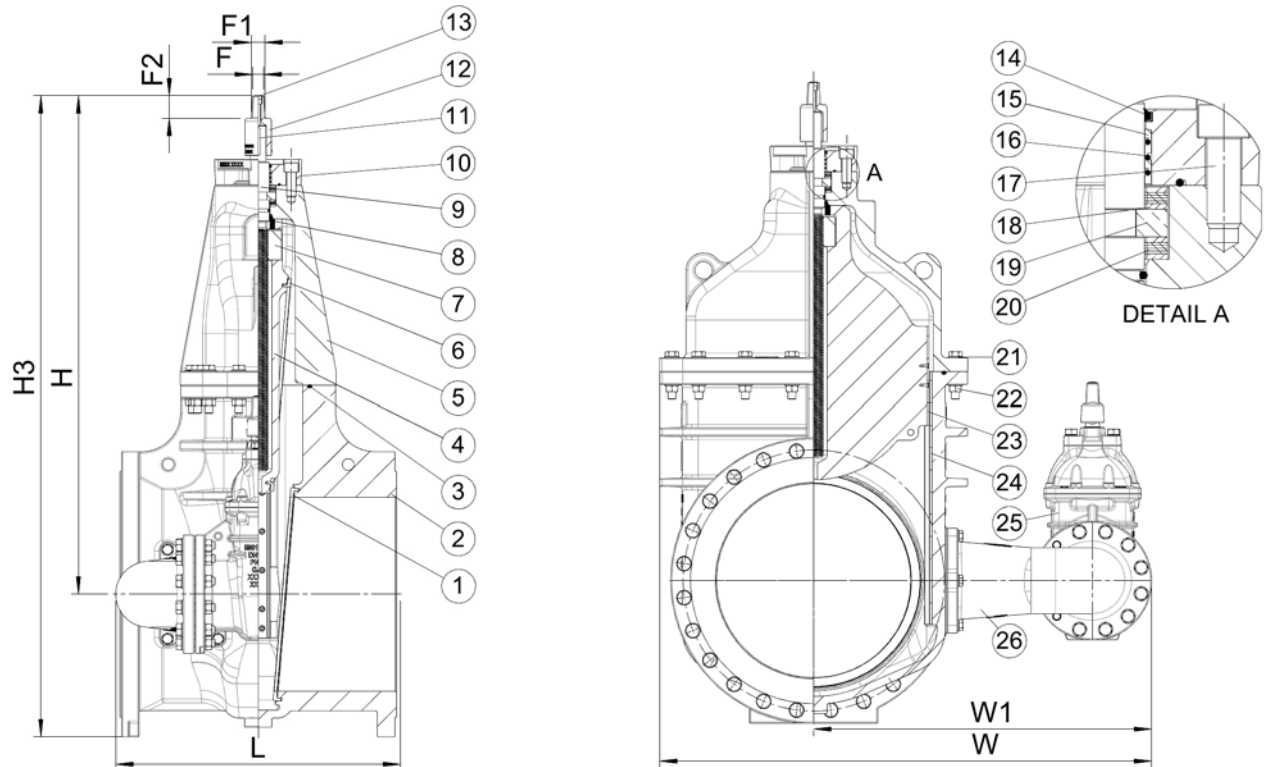
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The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.

SUREFLOW METAL SEATED GATE VALVE, PN35

2580/83-004

CC/ACC, ISO Mounting Flange (Stem Cap), AS/NZS 4087 B6, S&C, Bypass, DN375-600



Component list:

1. Seat ring	Bronze CC491K (LG2)	14. Wiper ring	NBR rubber
2. Body	Ductile iron GJS-500-7 (GGG-50)	15. Seal retainer	Bronze CC491K (LG2)
3. O-cord	NBR rubber	16. O-ring ⁽¹⁾	NBR rubber
4. Wedge	Ductile iron GJS-500-7 (GGG-50)	17. Bolt	Stainless steel A4-70
5. Bonnet	Ductile iron GJS-500-7 (GGG-50)	18. Thrust washer	Stainless steel 431
6. Face ring	Bronze CC491K (LG2)	19. Thrust collar	Alu-bronze C95810
7. Wedge nut	Alu-bronze C95810	20. Thrust bearing	Steel, PTFE coated
8. Backseal grommet	NBR rubber	21. Washer	Stainless steel A4-70
9. Stem	Stainless steel 431	22. Nut	Stainless steel A4-70
10. Gland flange	Ductile iron GJS-500-7 (GGG-50)	23. Shoe	Bronze CC491K (LG2)
11. Key	Stainless steel A4-70	24. Channel	Bronze CC491K (LG2)
12. Stem cap	Ductile iron GJS-500-7 (GGG-50)	25. By-pass valve	
13. Insert	Plastic	26. By-pass bend	Ductile iron GJS-500-7 (GGG-50)

Components may be substituted with equivalent or higher class materials without prior notification.
 * (1) Also can be EPDM rubber

Reference nos. and dimensions:

Ref. no.	DN	Operating	ISO	L	W	H	H3	F	F1	F2	Theoretical
	mm	Direction	Flange	mm	mm	mm	mm	mm	mm	mm	weight/kg
2580-375-83-270312	375	CC	F14	610	1014	1079	1369	29	35	57	605
2580-375-83-370312	375	ACC	F14	610	1014	1079	1369	29	35	57	605
2580-450-83-270312	450	CC	F14	660	1091	1197	1535	29	35	57	768
2580-450-83-370312	450	ACC	F14	660	1091	1197	1535	29	35	57	768
2580-500-83-270312	500	CC	F16	732	1268	1283	1651	29	35	57	1003
2580-500-83-370312	500	ACC	F16	732	1268	1283	1651	29	35	57	1003
2580-600-83-270312	600	CC	F16	785	1397	1442	1867	29	35	57	1471
2580-600-83-370312	600	ACC	F16	785	1397	1442	1867	29	35	57	1471

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SUREFLOW SEATED GATE VALVE, 16 BAR
SS Stem, ISO Mounting Flange, ACC/CC, DN375-600, By-Pass, S&C

2580/93-004

Sureflow metal seated wedge gate valves are primarily designed for flow isolation of a length of pipeline or piece of equipment. It uses a ductile iron gate that houses bronze rings to ensure a watertight seal.

Product description:

Metal seat gate valve for water, sewage and neutral liquids to max. 70°C

Standards:

- Designed according to AS/NZS 2638.1
- Flange Drilling to AS/NZS 4087 B5 PN16
- Flange Drilling to AS 2129 Table E
- Face to Face dimensions according to AS/NZS 2638.1
- Approved to AS/NZS 4020

Production Tests:

- Seat: 1.1 x PN. Body: 1.5 x PN.

Features:

- Bronze wedge nut with self-lubricating abilities providing optimum compatibility with stem
- The wedge face ring is machined to a fine surface finish to ensure optimum compatibility with body seat rings
- Wedge with guides, which ensure uniform closure
- A large through bore housing for the stem in the wedge prevents stagnant water or impurities
- Stainless steel stem and bolts for increased corrosion resistance
- Seal housing incorporates inner/outer O-ring seals and wiper ring for long life operation
- Stem sealing replaceable under pressure
- Round bonnet gasket fixed in a recess groove preventing it from being blown out by pressure surges
- Full bore
- Lifting eyes for easy handling
- Copper alloy shoes and channels provide low friction guides for the wedge when opening and closing
- Blue fusion bonded epoxy according to AS/NZS 4158
- StandardsMark and WaterMark approved to AS/NZS 2638.1
- By-pass valve, S580 DN100 for DN375-450, S580 DN150 for DN500-600

Accessories:

Gearbox, actuator and handwheel



Quality
ISO 9001



Health & Safety
AS 4801



Environment
ISO 14001



Australian
Standard

AS/NZS2638.1
Lic. SMK02420
SAI Global



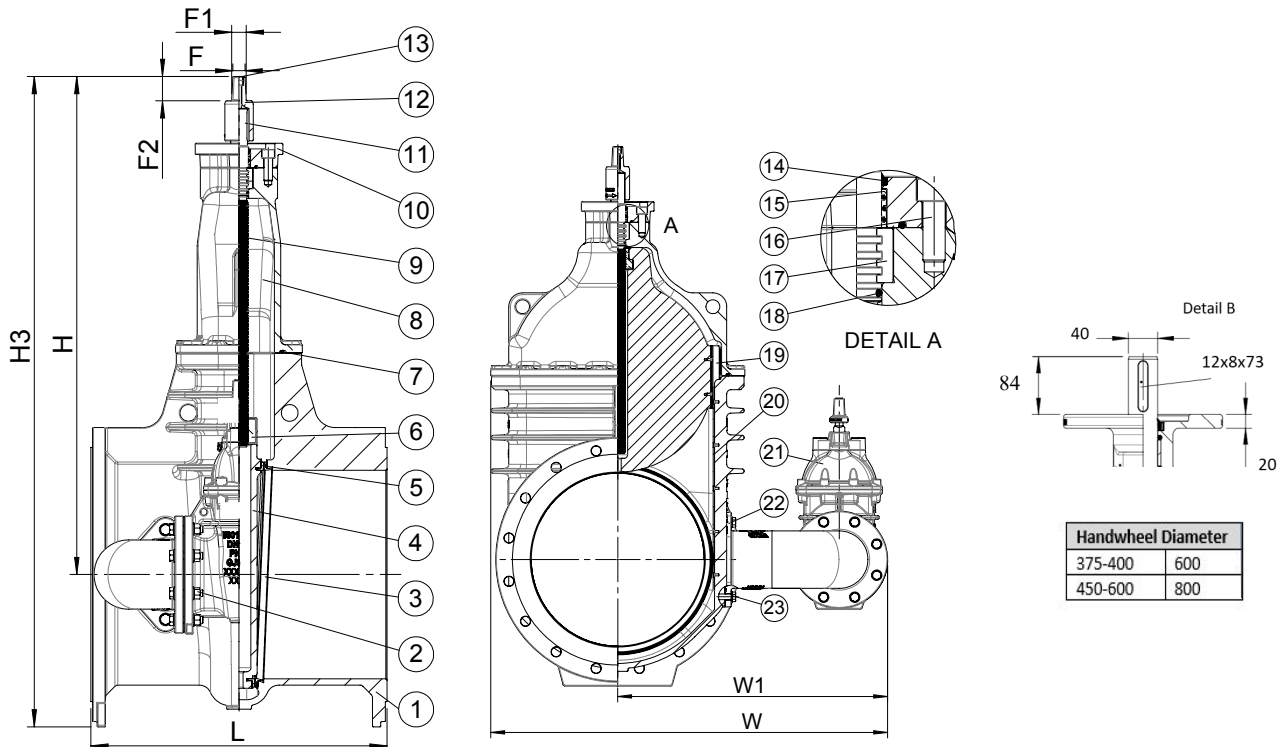
WaterMark
Lic.WMKA02420
SAI Glo



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SUREFLOW METAL SEATED GATE VALVE, 16 BAR
SS Stem, ISO Mounting Flange, ACC/CC, DN375-600, By-pass, S&C

2580/93-004



Component list:

1. Body	Ductile iron GJS-500-7 (GGG-50)	13. Insert	Plastic
2. Nut	Stainless steel A4-70	14. Wiper ring	NBR rubber
3. Seat ring	Alu-bronze C95210	15. Seal retainer	Bronze CC491K (LG2)
4. Wedge	Ductile iron GJS-500-7 (GGG-50)	16. Bolt	Stainless steel A4-70
5. Face ring	Alu-bronze C95210	17. Thrust collar	Alu-bronze C95210
6. Wedge nut	Alu-bronze C95810	18. O-ring	NBR rubber
7. O-cord	NBR rubber	19. Shoe	Bronze CC491K (LG2)
8. Bonnet	Ductile iron GJS-500-7 (GGG-50)	20. Channel	Bronze CC491K (LG2)
9. Stem	Stainless steel 431	21. By-pass valve	
10. Gland flange	Ductile iron GJS-500-7 (GGG-50)	22. By-pass bend	Ductile iron GJS-500-7 (GGG-50)
11. Key	Stainless steel A4-70	23. Washer	Stainless steel A4-70
12. Stem cap	Ductile iron GJS-500-7 (GGG-50)		

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

Reference nos. and dimensions:

Sureflow ref. nos.	DN mm	Closing Direction	L mm	W mm	W1 mm	H mm	H3 mm	F mm	F1 mm	F2 mm	Theoretical weight/kg	ISO Mount
2580-375-93-250112	375	CC	610	899	595	991	1271	29	35	57	356	F14
2580-375-93-350112	375	ACC	610	899	595	991	1271	29	35	57	356	F14
2580-450-93-250112	450	CC	660	972	635	1121	1446	29	35	57	463	F14
2580-450-93-350112	450	ACC	660	972	635	1121	1446	29	35	57	463	F14
2580-500-93-250112	500	CC	710	1147	780	1194	1559	29	35	57	619	F16
2580-500-93-350112	500	ACC	710	1147	780	1194	1559	29	35	57	619	F16
2580-600-93-250112	600	CC	785	1248	830	1355	1795	29	35	57	791	F16
2580-600-93-350112	600	ACC	785	1248	830	1355	1795	29	35	57	791	F16

Note: Table E option available upon request