



QUALITY VALVES WORLDWIDE



COMPANY OVERVIEW

SCI valves are very well known as a quality manufacturer of cast iron, ductile iron, cast steel, stainless steel valve products ranging in size from DN25 through to DN3500mm. They manufacture valve products exclusively which allows full concentration in providing a quality, purpose built and tested product. SCI can supply any recognized international standard valve and also build valves to customer specifications. SCI Corporation Co. Ltd is a fully accredited ISO 9001 establishment and company policy is to rigidly comply to all aspects of this standard.

History

The company was established in 1976 and used Japanese technology in implementing its product range and quality systems. Since then SCI have increased their product range to include gate, knife gate, butterfly, swing check and tilting disc check valves and air release valves. With the investment in CAD computerized equipment and having their own pattern making shop, SCI can quote and build quality valves. Size range up to DN3800. All design and production is done in house.

History – Australia

ReFire Group and associated companies have been distributing SCI Valves in Australia since 1985 in the general purpose, engineering, water and waste water markets with valves built to AS3579 and in the fire protection industry with valves built to AS3579 and to UL (Underwriters Laboratory) and FM (Factory Mutual) standards.

Quality

Foremost in SCI Valves' company policy is strict adherence to quality control and they rigidly enforce their own TQM procedures as well as the requirements of ISO9001. Quality control is supervised by engineers who closely inspect all raw material, foundry casting, machining, pressure testing, coating and export packing.

Design engineers using CAD equipment ensure the integrity of every product and will produce detailed drawings of any valve changes to meet customer specifications. Please visit the SCI Valves website for further information regarding their product and major projects by them: www.scivalve.com

Guarantee

All valves are 100% hydrostatic and leak tested in accordance with all standards required. Spare parts are available up to ten years. All SCI valves are guaranteed to be free from defects in material and workmanship under normal use and service for a period of one year from the date of original shipment. We offer high level of technical support, sales support, maintenance and repair support.

Contact

SCI product range is supported by sales engineers from SCI Thailand and by experienced personnel who can quickly respond to inquiries. For further information about our company please do not hesitate to contact us.

QUALITY VALVES WORLDWIDE

GATE VALVES



Series

Features



#152 BRONZE SEAT NON RISING STEM GATE VALVE

Size Range:

DN350—DN3000 (14" -120")

Fig. Number: 152

Standards:

AWWA C500

BS 5150, PN6, 10, 16, 25

MSS SP-70 CL.125

BS 5163, PN6, 10, 16, 25

TIS 256 PN 6, 10, 16

BS EN1171 PN 6, 10, 16, 25

Application:

All types of water, air, steam. Designed for vertical, horizontal & flat positions

- IBBM (iron body and bronze mounted), stainless steel trim, and all iron trim is also available.
- Valve ends can be flanged, spigot, socket, mechanical joint, grooved and shoulder.
- Flanged drilling to suit ANSI B16.1, ANSI B16.5, BS4504, BS10, BS EN 1092-2, BS 4772, ISO, AS 2129, DIN, JIS and etc.



BRONZE SEAT NON RISING STEM GATE VALVE

Size Range:

DN50—DN600 (2" - 24")

Fig. Number:

- 130 DN80-300 (3" -12")
- 131 DN50-600 (2" - 24")
- 190 DN80-300 (3" - 12")
- 269 DN50-300 (2" - 12")

Approvals:

AS2638.1 CL.16, 35

AWWA C500

BS 5150, PN6, 10, 16, 25

BS 5163, PN6, 10, 16, 25

DIN 3352, PN6, 10, 16, 25

TIS 256 PN6, 10, 16

Application:

All types of water, air, steam. Designed for vertical, horizontal & flat positions

- IBBM (iron body and bronze mounted), stainless steel trim, and all iron trim is also available.
- Valve ends can be flanged, spigot, socket, mechanical joint, grooved and shoulder.
- Flanged drilling to suit AS4087 ANSI B16.1, ANSI B16.5, BS4504, BS10, BS EN 1092-2, BS 4772, ISO, AS 2129, DIN, JIS and etc.



#100 BRONZE SEAT NON RISING STEM GATE VALVE

Size Range:

DN40—DN300 (1 1/2" - 12")

Fig. Number: 100

Standards:

BS 5150 , PN6, 10, 16

BS EN1171 PN6, 10, 16

DIN 3352 PN10, 16

MSS SP-70 CL.125

TIS 432, PN6, 10, 16

Application:

All types of water, air, steam. Designed for vertical, horizontal & flat positions

- IBBM (iron body and bronze mounted), stainless steel trim, and all iron trim is also available.
- Valve ends can be flanged, spigot, socket, mechanical joint, grooved and shoulder.
- Flanged drilling to suit ANSI B16.1, ANSI B16.5, BS4504, BS10, BS EN 1092-2, BS 4772, ISO, AS 2129, DIN, JIS and etc.

QUALITY VALVES WORLDWIDE



GATE VALVES

Series

Features



#154 NON RISING STEM GATE VALVE

Size Range:

DN350—DN3000 (14" - 120")

Fig. Number: 154

Standards:

AWWA C500

BS 5150, PN6, 10, 16, 25

BS 5163, PN6, 10, 16, 25

MSS SP-70 CL.125

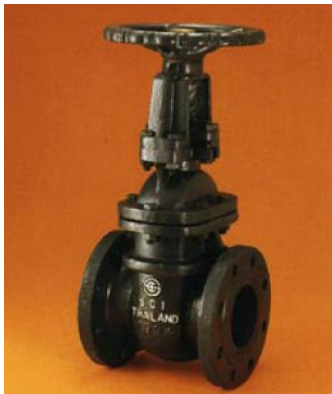
TIS 256 PN 6, 10, 16

BS EN1171 PN 6, 10, 16, 25

Application:

All types of water, air, steam. Designed for vertical, horizontal & flat positions

- IBBM (iron body and bronze mounted), stainless steel trim, and all iron trim is also available.
- Valve ends can be flanged, spigot, socket, mechanical joint, grooved and shoulder.
- Flanged drilling to suit ANSI B16.1, ANSI B16.5, BS4504, BS10, BS EN 1092-2, BS 4772, ISO, AS 2129, DIN, JIS and etc.



#110 BRONZE SEAT OS&Y RISING STEM GATE VALVE—NO GEAR

Size Range:

DN50—DN300 (2" - 12")

Fig. Number: 110

Standards:

BS 5150 PN6, 10, 16

BS EN1171 PN6, 10, 16

MSS SP-70 CL.125

TIS 432 PN6, 10, 16

Application:

All types of water, air, steam.

- IBBM (iron body and bronze mounted), stainless steel trim, and all iron trim is also available.
- Valve ends can be flanged or screwed.
- Flanged drilling to suit ANSI B16.1, ANSI B16.5, BS4504, BS10, BS EN 1092-2, BS 4772, ISO, AS2129, DIN, JIS and etc.



#112 BRONZE SEAT OS&Y RISING STEM GATE VALVE WITH GEAR

Size Range:

DN350—DN1500 (14" - 120")

Fig. Number: 112

Standards:

BS 5150 PN6, 10, 16

BS EN1171 PN6, 10, 16

MSS SP-70 CL.125

TIS 432 PN6, 10, 16

Application:

All types of water, air, steam.

- IBBM (iron body and bronze mounted), stainless steel trim, and all iron trim is also available.
- Valve ends can be flanged or screwed.
- Flanged drilling to suit ANSI B16.1, ANSI B16.5, BS4504, BS10, BS EN 1092-2, BS 4772, ISO, AS2129, DIN, JIS and etc.

QUALITY VALVES WORLDWIDE

GATE VALVES



	Series	Features
	#180 ENCAPSULATED RESILIENT WEDGE NON RISING STEM GATE VALVE Size Range: DN50—DN400 (2" - 16") Fig. Number: 180 Standards: BS 5150 PN6, 10 BS EN 1171 PN6, 10 MSS SP-70 CL125 Operation: Handwheel, Chainwheel, Operating nut, Actuator Application: All types of water, air, steam.	<ul style="list-style-type: none"> • Vulcanized encapsulated resilient wedge, bubble tight shut-off, low head loss and suitable for use as a throttling valve. • Valve ends can be flanged, screwed, ringtite (socket), spigot, grooved and shoulder. • Flanged drilling to suit ANSI B16.1, ANSI B16.5, BS4504, BS10, BS EN 1092-2, BS 4772, ISO, AS2129, DIN, JIS and etc. • Replaceable wedge
	#185 ENCAPSULATED RESILIENT WEDGE OS&Y RISING STEM GATE VALVE Size Range: DN50—DN400 (2" - 16") Fig. Number: 185 Standards: BS 5150 PN6, 10 BS EN 1171 PN6, 10 MSS SP-70 CL125 Operation: Handwheel, Chainwheel, Operating nut, Actuator Application: All types of water, air, steam.	<ul style="list-style-type: none"> • Vulcanized encapsulated resilient wedge, bubble tight shut-off, low head loss and suitable for use as a throttling valve. • Valve ends can be flanged, screwed, ringtite (socket), spigot, grooved and shoulder. • Flanged drilling to suit ANSI B16.1, ANSI B16.5, BS4504, BS10, BS EN 1092-2, BS 4772, ISO, AS2129, DIN, JIS and etc. • Replaceable wedge
	RESILIENT SEAT NON RISING STEM GATE VALVE Size Range: DN50—DN400 (2" - 16") Fig. Number: <ul style="list-style-type: none"> • 161 • 163 (Gear Op) Standards: AWWA C509 BS 5150 PN6, 10, 16 BS 5163 PN6, 10, 16 BS EN1171 PN6, 10, 16 TIS 1413 PN10, 16 Application: Potable Water, Waste Water	<ul style="list-style-type: none"> • Vulcanized encapsulated resilient wedge, bubble tight shut-off, low head loss and suitable for use as a throttling valve. • Valve ends can be flanged, screwed, ringtite (socket), spigot, grooved and shoulder. • Flanged drilling to suit ANSI B16.1, ANSI B16.5, BS4504, BS10, BS EN 1092-2, BS 4772, ISO, AS2129, DIN, JIS and etc. • Replaceable Wedge

QUALITY VALVES WORLDWIDE



GATE VALVES

	Series	Features
	<p>RESILIENT SEAT OS&Y RISING STEM GATE VALVE</p> <p>Size Range: DN50—DN400 (2" - 16")</p> <p>Fig. Number:</p> <ul style="list-style-type: none">• 170• 171 (Gear Op) <p>Standards: AWWA C509 BS 5150 PN6, 10, 16 BS EN1171 PN6, 10, 16 DIN 3352 PN6, 10, 16 TIS 1413 PN10, 16 AWWA C509</p> <p>Application: Potable Water, Waste Water</p>	<ul style="list-style-type: none">• Vulcanized encapsulated resilient wedge, bubble tight shut-off, low head loss and suitable for use as a throttling valve.• Valve ends can be flanged, screwed, ringtite (socket), spigot, grooved and shoulder.• Flanged drilling to suit ANSI B16.1, ANSI B16.5, BS4504, BS10, BS EN 1092-2, BS 4772, ISO, AS2129, DIN, JIS and etc.• Replaceable VWedge
	<p>#172 ULFM APPROVED RESILIENT SEAT OS&Y RISING STEM GATE VALVE—FIRE</p> <p>Size Range: DN65—DN300 (3" - 12")</p> <p>Fig. Number: 172</p> <p>Approvals: FM Approved CL-200 UL Listed CL-175 ULC Listed CL-175</p> <p>Application: Fire Protection</p>	<ul style="list-style-type: none">• Class 175• Rising stem• Replaceable wedge• Bubble tight shut-off• Full port flow-low head loss• Epoxy coated internal & external• Vulcanized encapsulated resilient wedge• One boss plus boss with tap and plug

Please Note:

- There are various types of operators such as hand wheel, chain wheel, spur gear, bevel gear, pneumatic, hydraulic and electric actuator that can be provided upon request.
- Special accessories like by-pass units, valve locking devices, tapped bosses, pipe covers, indicators and limit switches are also available upon request.

QUALITY VALVES WORLDWIDE

KNIFE GATE VALVES



Knife Gate Valves

Series

Features



RESILIENT SEAT NON RISING STEM KNIFE GATE VALVE

Size Range:
DN50—DN1800 (2" - 72")

Fig. Number:

- 471
- 472

Rated:
PN6, 10, 16

Application:
Water, air & steam 100°C

- Full Bore
- Tight Shut Off
- Bi-Directional
- Flange drilling to suit ANSI B16.1, ANSI B16.5, BS EN 1092, BS 10, AS 2129 and JIS.
- Optional accessories such as Electric actuator, Pneumatic Cylinder, Hydraulic Cylinder and Stem Cover are also available.
- Seat materials are available in NBR, EPDM, Neoprene, Viton.
- Seat can be replaced in line



#97 RESILIENT SEAT RISING STEM KNIFE GATE VALVE

Size Range:
DN50—DN1800 (2" - 72")

Code: VG77-(size)

Fig. Number:

- 097

Rated:
PN6, 10, 16

Application:
Water, air & steam 100°C

- Full Bore
- Tight Shut Off
- Bi-Directional
- Flange drilling to suit ANSI B16.1, ANSI B16.5, BS EN 1092, BS 10, AS 2129 and JIS.
- Optional accessories such as Electric actuator, Pneumatic Cylinder, Hydraulic Cylinder and Stem Cover are also available.
- Seat materials are available in NBR, EPDM, Neoprene, Viton.
- Seat can be replaced in line



#573 RESILIENT SEATED KNIFE GATE VALVE

Size Range:
DN80—DN300 (3" - 12")

Fig. Number: 573

Rated:
PN6, 10, 16

Application:
Water, air & steam 100°C

- Replaceable packing without valve disassembly.
- Bi-directional sealing design.
- Cast iron split Body with Body Seat.
- Four Pillars arrangement provides stability from heavy operation.
- Stainless steel gate provides corrosion resistance.
- Stainless steel stem provides durable and easy operation.
- Seat can be replaced in line

QUALITY VALVES WORLDWIDE



BUTTERFLY VALVES

Butterfly Valves

Series

Features

DOUBLE FLANGED ECCENTRIC



Size Range:
DN80—DN3500 (3" - 140")

Fig. Number:

- 207
- 212
- 238
- 817

Standards:

AS4795 CL16, 35
AWWA C504 CL75, 150, 250
BS 5155 PN6, 10, 16, 25, 40
BS EN 593, PN6, 10, 16, 25, 40
MSS SP-67 CL.125, 150
TIS 382 PN6, 10

RESILIENT SEATED

Rubber seated valves are delicately and properly designed with synthetic rubber to ensure a long service life, and are rated between -20 C to 140 C temperature range. It is suited for bi-directional flow and can be supplied with either single and double eccentric off-set disc.

The rubber seat ring is mechanically retained by a metal ring secured to the body or disc and is fully adjustable and replaceable without removing the valve from the line.

The mating seat can be of copper alloy, stainless steel or other materials as requested.

DOUBLE FLANGED ECCENTRIC



Size Range:
DN50—DN3500 (2" - 140")

Fig. Number: 465

Standards:

AWWA C504 CL75, 150, 250
BS 5155 PN6, 10, 16, 25, 40
BS EN 593, PN6, 10, 16, 25, 40
MSS SP-67 CL.125, 150
TIS 382 PN6, 10

METAL SEATED

SCI has developed double and triple eccentric butterfly valves for better control and tighter shut-off services especially for applications where resilient seated valves cannot be used due to its limited mechanical and chemical properties.

Metal seated butterfly valve is suitable for bi-directional services, and temperature range from -50 C to 400 C. Sealing shall be achieved by means of flexible stainless steel seal on disc. Valve shaft shall be anti-blow out design.

WAFER BUTTERFLY VALVE



Size Range:
DN65—DN300 (2 1/2" - 12")
Rated:
PN6, 10, 16

WAFER BUTTERFLY VALVES

- Suitable for universal flanged standards.
- Easy installation and excellent sealing with no leakage.
- Both lever operated and gear operated
- Pneumatic and Electric actuators are available
- Fusion bonded epoxy coating.

QUALITY VALVES WORLDWIDE

CHECK VALVES



Check Valves

Series

Features

#300 SWING CHECK VALVE



Size Range:
DN50—DN300 (2" - 12")

Fig. Number: 300

Standards:

BS 5153 , PN6, 10, 16
BS EN12334 PN6, 10, 16
MSS SP-71 CL.125
TIS 383, PN6, 10, 16

- Sizes are available from DN 50 to DN 300, Both metal seated and resilient seated can be provided.
- Flanged ends from sizes DN 50 to DN 1000 and screwed ends from sizes DN 50 to DN 200
- Flanged drilling to suit ANSI B 16.1, ANSI B 16.5, BS 4504, BS 10, BS EN 1092-2, BS 4772, ISO 2531 ,AS 2129 , DIN, JIS and etc.
- Special accessories like by - pass unit, lever and weight, lever and spring, micro switch, air cushioned and oil dash - pot are also available.

360 SWING CHECK VALVE



Size Range:
DN50—DN1800 (2" - 72")

Fig. Number: 360

Standards:

AWWA C508
BS 5153, PN6, 10, 16, 25
BS EN 12334, PN6, 10, 16, 25
MSS SP-71 CL.125, 250
TIS 383, PN6, 10, 16

- Sizes are available from DN 50 to DN 300, Both metal seated and resilient seated can be provided.
- Flanged ends from sizes DN 50 to DN 1000 and screwed ends from sizes DN 50 to DN 200
- Flanged drilling to suit ANSI B 16.1, ANSI B 16.5, BS 4504, BS 10, BS EN 1092-2, BS 4772, ISO 2531 ,AS 2129 , DIN, JIS and etc.
- Special accessories like by - pass unit, lever and weight, lever and spring, micro switch, air cushioned and oil dash - pot are also available.

#340 SWING CHECK VALVE



Size Range:
DN65—DN300 (2 1/2" - 12")

Fig. Number: 340

Standards:

AWWA C508
BS 5153, PN6, 10, 16, 25
BS EN 12334, PN6, 10, 16, 25
MSS-SP-71 CL125, 250
TIS 383, PN6, 10, 16

- Sizes are available from DN 50 to DN 300, Both metal seated and resilient seated can be provided.
- Flanged ends from sizes DN 50 to DN 1000 and screwed ends from sizes DN 50 to DN 200
- Flanged drilling to suit ANSI B 16.1, ANSI B 16.5, BS 4504, BS 10, BS EN 1092-2, BS 4772, ISO 2531 ,AS 2129 , DIN, JIS and etc.
- Special accessories like by - pass unit, lever and weight, lever and spring, micro switch, air cushioned and oil dashpot are also available.

QUALITY VALVES WORLDWIDE



CHECK VALVES

Check Valves

Series

Features



#342 RESILIENT SEATED SWING CHECK VALVE

Size Range:
DN350—DN1000 (14" - 40")

Fig. Number: 342

Standards:

AWWA C508
BS 5153, PN6, 10, 16
BS EN 12334, PN10, 16, 25
MSS-SP-71 CL125, 250
TIS 383, PN6, 10, 16

- Sizes are available from DN 50 to DN 1000, Both metal seated and resilient seated can be provided.
- Flanged ends from sizes DN 50 to DN 1000 and screwed ends from sizes DN 50 to DN 200
- Flanged drilling to suit ANSI B 16.1, ANSI B 16.5, BS 4504, BS 10, BS EN 1092-2, BS 4772, ISO 2531 ,AS 2129 , DIN, JIS and etc.
- Special accessories like by - pass unit, lever and weight, lever and spring, micro switch, air cushioned and oil dash - pot are also available.



#378 RESILIENT SEATED SWING CHECK VALVE

Size Range:
DN65—DN300 (2 1/2" - 12")

Code: VC368

Fig. Number: 378

Approvals:

FM Approved CL200
UL Listed CL175
ULC Listed CL175

- Sizes are available from DN 50 to DN 300, Both metal seated and resilient seated can be provided.
- Flanged ends from sizes DN 50 to DN 300 and screwed ends from sizes DN 50 to DN 200
- Flanged drilling to suit ANSI B 16.1, ANSI B 16.5, BS 4504, BS 10, BS EN 1092-2, BS 4772, ISO 2531 ,AS 2129 , DIN, JIS and etc.
- Special accessories like by - pass unit, lever and weight, lever and spring, micro switch, air cushioned and oil dash - pot are also available.



TILTING DISC SWING CHECK VALVE

Size Range:
DN80—DN1000 (3" - 40")

Fig. Number: 483, 846

Standards:

BS 5153, PN6, 10, 16
BS EN 12334, PN6, 10, 16,
MSS-SP-71 CL125
TIS 383, PN6, 10, 16

- Metal seated design
- Full flow waterway
- Minimum maintenance required
- Flanged ends
- Flange drilling to suit AS 4087, ANSI B16.1, ANSI B16.5, BSEN1092-2, BS10, AS 2129 and JIS
- Optional Accessories: Lever & weight, lever & spring, proximity switch, air cushion, hydraulic cylinder, by-pass unit

QUALITY VALVES WORLDWIDE

CHECK VALVES



Check Valves

Series

Features



#265 TILTING DISC CHECK VALVE

Size Range:
DN50—DN1800 (4" - 72")
Fig. Number: 265
Standards:
AWWA C508
BS 5153, PN6, 10, 16
BS EN 12334, PN10, 16, 25
MSS SP-71 CL.125, 250
TIS 383, PN6,10, 16

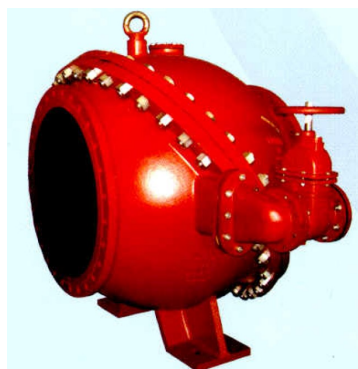
- Class 125/ 250
- Non-Slam Closing
- Intelligent Design
- Versatile Operation
- Flange drilling to suit ANSI B16.1, ANSI B16.5, BS EN 1092-2, BS 10, AS 2129 and JIS.
- Optional accessories : Signal switch, By-pass, Hydraulic cylinder (top / bottom / side mounted)



#383 RUBBER FLAPPER CHECK VALVE

Size Range:
DN50—DN600 (2" - 24")
Code: VC383-(size)
Fig. Number: 383
Standards:
BS 5153, PN10, 16
BS EN 12334, PN10, 16
MSS SP-71 CL.125

- Simplicity in Design
- No Maintenance Required
- Non-Slam Performance
- Suitable For All Types of Water, Air and Steam up to 100°C.
- Flange drilling to suit ANSI B16.1, ANSI B16.5, BS EN 1092-2, BS 10, AS 2129 and JIS.
- Optional accessories : Proximity switch, Backflow actuator, Oil dash-pot, Air release plug on the cover.



#291 MULTIPLE DOOR CHECK VALVE

Size Range:
DN600—DN1800 (2" - 24")
Code: VC383-(size)
Fig. Number: 291
Standards:
BS 5153, PN6, 10, 16, 25
BS EN 12334, PN10, 16, 25

- Simplicity in Design
- No Maintenance Required
- Non-Slam Performance
- Suitable For All Types of Water, Air and Steam up to 100°C.
- Flange drilling to suit ANSI B16.1, ANSI B16.5, BS EN 1092-2, BS 10, AS 2129 and JIS.
- Special accessories :
 - * Lever & Weight (Counter Weight)
 - * Lever & Spring & Weight
 - * Hydraulic Cylinder (Oil Dash Pot)
 - * Air Cushioned
 - * Backflow Actuator
 - * Proximity Switch
 - * Protection Guard

QUALITY VALVES WORLDWIDE



AIR VALVES

Air Valves

Series

Features



AIR VALVES

SMALL ORIFICE

Size Range:

DN25—DN150 (1" - 6")

Fig. Number:

- 411 (Screwed End)
- 412 (Flanged End)

LARGE ORIFICE

Size Range:

DN50—DN150 (2" - 6")

Fig. Number: 413

DOUBLE ORIFICE

Size Range:

DN50—DN300 (2" - 12")

Fig. Number:

- 404 (Full Bore)
- 414 (Reduced Bore)
- 415 (Reduced Bore)
- 416 (Unequal Float)

HIGH SPEED QUICK TYPE

Size Range:

DN50—DN200 (2" - 8")

Fig. Number: 430

Standards:

As4956 PN16, 21, 35

JIS B 2063 PN7.5, 10, 16

TIS 138, PN10, 16, 25

SEWERAGE AIR VALVES

Size Range:

DN80—DN200 (3" - 8")

Fig. Number: 504

Rated:

PN 10, 16



AIR VALVES

SCI AIR VALVES have been especially designed to allow the most efficient method of releasing or admitting air during the filling and emptying pipelines or vessels and the release of air accumulating in pipeline during normal working conditions.

FEATURES:

- Resilient orifices : Seal from very low to high working pressure (0.1-25.0 bar)
- ABS float : Proven long lasting material. Specific gravity (0.75-0.80)
- No protruding levers : This features reduce maintenance and servicing to a minimum.
- No premature closing
- Standard : Comply with JIS B 2063, TIS 1368, BS EN 1074-4

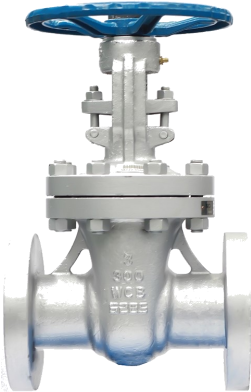
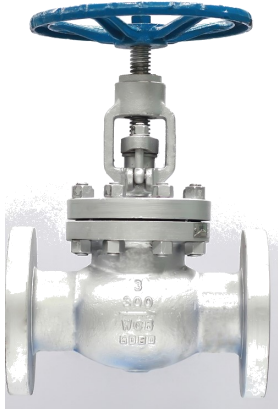
FEATURES:

- Ball shaped body maintains maximum air gap. The suspended matter cannot create blockages.
- The stainless steel ball float assembly is robust and stable for constant and extreme operating conditions.
- The large orifice closes automatically at high velocity to prevent damage from water hammer.
- "V" shape yoke prevents the sewage from reaching the sealing mechanism. The upper body chamber is allowed to operate freely without blockage.
- The funnel shaped lower body automatically drains sewage into the system and prevents the depositing of sediment or suspended material.
- Further High capacity air discharge is provided through 2 small orifice valves.
- No backwash is required. Very low maintenance.
- Non corrosive construction ensures long life and low maintenance.

QUALITY VALVES WORLDWIDE

CAST CARBON STEEL VALVES



Cast Carbon Steel Valves	Series	Features
	<p>GATE VALVE</p> <p>Size Range: DN80—DN200 (3" - 8")</p> <p>Fig. Number: 553</p> <p>Rated: 55 Bars</p>	<p>GATE VALVES</p> <ul style="list-style-type: none">• Valve complied with Class 300• Suitable for water, oil and gas API 600• Max. Working temperature 400 C• Working pressure 55 bar.
	<p>GLOBE VALVE</p> <p>Size Range: DN50—DN250 (2" - 10")</p> <p>Fig. Number: 617</p> <p>Rated: 55 Bars</p>	<p>GLOBE VALVES</p> <ul style="list-style-type: none">• Valve complied with Class 300• Suitable for water, oil and gas API 600• Max. Working temperature 400 C• Working pressure 55 bar.

QUALITY VALVES WORLDWIDE



SLUICE GATE/ PENSTOCK

Sluice Gate/ Penstock

Series

Features



SLUICE GATE/ PENSTOCK

Size Range:
Up to 2000x2000 (80" x 80")
(Larger Sizes Are Available)

Fig. Number: 074

Standards:

AWWA C501, C560
BS 7775

Operator Option:

1. Electric Actuator
2. Manual Gear
3. Pneumatic Cylinder
4. Hydraulic Cylinder

Gate Opening:

1. Square
2. Rectangle (Width x Height)
3. Circular

Accessories:

1. Extension Stem, Stem adaptor, Muff Coupling, Universal Joint
2. Wall Bracket, Guide Bracket
3. Wall Thimble

SLUICE GATE/ PENSTOCK

• Frames and Gates

Materials are in high duty cast iron constructed with substantial ribbing for resistance to deflection. Frames connection are flat back or spigot type for extending into concrete, spigot end type provide extra stiffening to the frame. As for circular and rectangular penstocks, flanges connection are also available on request. On each side of the frame, guide channels are provided for the gate and extended to a sufficient height to ensure that the gate is supported over not less than two thirds of its depth when at maximum lift.

• Body Seat, Gate Seat

Made from bronze seating strips of heavy rectangular sections pinned to machined surfaces on body and gate which are then ground in together to a watertight bearing. Bronze strips are also fitted as bearing surfaces in the guides into which the gate lifts. For sea-water or sewage, aluminium bronze or stainless steel is used.

• Wedges

Tight closure is required and when under pressure forcing the gate away from the frame, additional top and bottom wedges are provided. When strong support is required due to heavy loading, top wedging is a cast iron wedge bar spanning the gate, having taper faces against which the gate wedges work. The number of wedges provided varies according to the size and shape of the penstock and the pressure conditions.

SLUICE GATE/ PENSTOCK



Sluice Gate/ Penstock

Series

STAINLESS STEEL SLUICE GATE/ PENSTOCK

Size Range:

Up to 2000x2000 (80"x 80")
(Larger Size Are Available)

Fig. Number: 074

Standards:

AWWA C561
BS 7775

Operator Option:

1. Electric Actuator
2. Manual Gear
3. Pneumatic Cylinder
4. Hydraulic Cylinder

Gate Opening:

1. Square
2. Rectangle (Width x Height)
3. Circular

Accessories:

1. Extension Stem, Stem adaptor, Muff Coupling, Universal Joint
2. Wall Bracket, Guide Bracket
3. Wall Thimble

Features

STAINLESS STEEL SLUICE GATE/ PENSTOCK

• Frames and Gates

Materials are in high duty cast iron constructed with substantial ribbing for resistance to deflection. Frames connection are flat back or spigot type for extending into concrete, spigot end type provide extra stiffening to the frame. As for circular and rectangular penstocks, flanges connection are also available on request. On each side of the frame, guide channels are provided for the gate and extended to a sufficient height to ensure that the gate is supported over not less than two thirds of its depth when at maximum lift.

• Body Seat, Gate Seat

Made from bronze seating strips of heavy rectangular sections pinned to machined surfaces on body and gate which are then ground in together to a watertight bearing. Bronze strips are also fitted as bearing surfaces in the guides into which the gate lifts. For sea-water or sewage, aluminium bronze or stainless steel is used.

• Wedges

Tight closure is required and when under pressure forcing the gate away from the frame, additional top and bottom wedges are provided. When strong support is required due to heavy loading, top wedging is a cast iron wedge bar spanning the gate, having taper faces against which the gate wedges work. The number of wedges provided varies according to the size and shape of the penstock and the pressure conditions.

• Stems

All stems are suitable sized for duty and furnished with machine-cut thread of stub acme form. High grade materials appropriate to the service requirements are used, the selection of which is based on such factors as the nature of the fluid to be handled, the operating load, the distance from gate to actuator, etc. aluminium bronze and stainless are alternatives and regularly employed.



QUALITY VALVES WORLDWIDE



SLUICE GATE/ PENSTOCK

Sluice Gate/ Penstock

Series

Features



FLAP VALVE

Size Range:
DN50—DN3600 (2" - 144")
Fig. Number: 71



FLAP VALVE

Size Range:
DN80—DN600 (3" - 24")
Fig. Number: 73
Rated:
PN10, 16

OTHER PRODUCTS

Other products are also available such as sluice gate, fire hydrants, foot valves, flap valves, adjustable bell mouth valves, boxes, manhole covers, frames and pipe fittings. If you need other type of products, please feel free to contact us directly.

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