

Cat.No. 2006

# SHOWA

## GENERAL CATALOGUE

**For Buildings, Malls, Hospitals and General Industry**

# 青銅製バルブ

ANSI STANDARDS



すぐれた性能とは、それ自体だけで美感的なです…  
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TRADE MARK

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# SHOWA

## CONTENTS


■	Bronze Ball Valve	CL 125 (200 WOG) CL 150 (300 WOG)
■	Bronze Gate Valve	CL 125 (200 WOG) CL150 (300 WOG)
■	Bronze Globe Valve	CL 125 (200 WOG)
■	Bronze Check Valve	CL 125 (200 WOG)
■	Bronze Y-Strainer	CL 150 (300 WOG)
■	Cast Iron Ball Valve	CL 125 (200 WOG)
■	Cast Iron Gate Valve	CL 125 (200 WOG)
■	Cast Iron Globe Valve	CL 125 (200 WOG)
■	Cast Iron Check Valve	CL 125 (200 WOG)
■	Cast Iron Butterfly Valve	CL 125 (200 WOG)
■	Cast Iron Y-Strainer Valve	CL 125 (200 WOG)

# SHOWA

## BALL VALVE

Manual Operation

Fig.75 SCREWED

Item		150-Ball		
Material	Body	Brass		
	Ball	Brass (Cr. Plated)		
	Seat	PTFE		
	shaft	Brass		
Design		2 pcs.		
Bore		Reduced Bore		
Screw		PF or NPT		
Working Pressure		<ul style="list-style-type: none"> <li>● 1.97 Mpa-W.O.G (38 C)</li> <li>● 0.69 Mpa-W.O.G (150 C)</li> </ul>		
Appearance				
Dimension		L	H	W
1/4 inch	8 mm	42	44	80
3/8	10	44	44	80
1/2	15	53	46	80
3/4	20	57.5	51	110
1	25	72	56	110
1 1/4	32	79	64	110
1 1/2	40	89	68	110
2	50	108	81.5	110
2 1/2	65			
3	80			
4	100			

# SHOWA

**Fig. 53 Class 125 Cast Bronze Gate Valve N.R.S. Screwed**

125型 青銅製 ゲートバルブ ネジ込み仕様

53 125-Gate N.R.S.			L	H	W
JIS	BS	ANSI	42	76	52
			42	76	52
			43	77	52
			48	90	59
			53	102	59
			60	114	69
			63	133	75
			71	163	85
			87	202	102
			96	224	119
			116	286	132


Dimension		L	H	W
1/4 inch	8 mm	42	76	52
3/8	10	42	76	52
1/2	15	43	77	52
3/4	20	48	90	59
1	25	53	102	59
1 1/4	32	60	114	69
1 1/2	40	63	133	75
2	50	71	163	85
2 1/2	65	87	202	102
3	80	96	224	119
4	100	116	286	132

Working Pressure

- JIS/1.37Mpa (-10~120°C)
- BS/16bar (-10~100°C)
- ANSI/200PSI-WOG(100' F)
- JIS/1.96Mpa (-10~120°C)
- BS/20bar (-10~100°C)
- ANSI/300PSI-WOG(100' F)

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## BRONZE VALVE SCREWED

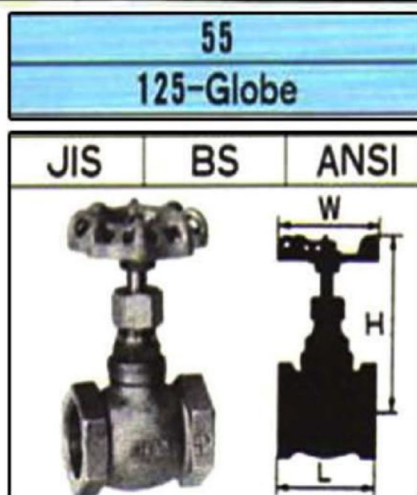
Fig No.	105			
Item	150-Gate N.R.S.			
Material	150Lb. ( 300 WOG )			
Class				
Screw				
Standard				
Appearance				
Dimension		L	H	W
1/4 inch	8 mm	44.5	95.1	44.5
3/8	10	47.6	95	44.5
1/2	15	55.6	113	51.6
3/4	20	60.3	132	69.9
1	25	69.9	152	69.9
1 1/4	32	79.4	168	76.2
1 1/2	40	88.9	184	94.5
2	50	104.8	219	102.4
2 1/2	65	114.3	256	127
3	80	127	286	127
Working Pressure				

ANSI CLASS 150 NPT ANSI (100° F )

# SHOWA

**Fig. 55 Class 125 Cast Bronze Globe Valve Screwed**

125型 青銅製 グローバルブ ネジ込み仕様



Dimension		L	H	W
1/4 inch	8 mm	45	75	52
3/8	10	45	75	52
1/2	15	48	75	52
3/4	20	56	83	59
1	25	65	94	69
1 1/4	32	74	113	69
1 1/2	40	84	125	75
2	50	100	137	85
2 1/2	65	118	160	102
3	80	136	187	119
4	100	170	208	132

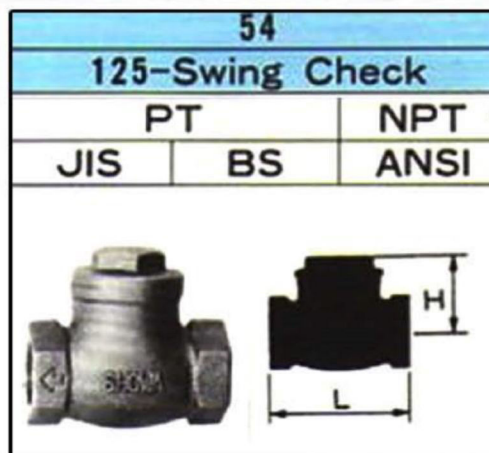
Working Pressure

- JIS/1.37Mpa (-10~120°C)
- BS/16bar (-10~100°C)
- ANSI/200PSI-WOG(100° F)
- JIS/1.96Mpa (-10~120°C)
- BS/20bar (-10~100°C)
- ANSI/300PSI-WOG(100° F)

# SHOWA

**Fig. 54 Class 125 Cast Bronze Swing Check Valve Screwed**

125型 青銅製 スイングチェックバルブ ネジ込み仕様



Dimension		L	H
1/4 inch	8 mm		
3/8	10	55	39
1/2	15	54	36
3/4	20	61	43
1	25	70	49
1 1/4	32	81	55
1 1/2	40	91	62
2	50	109	70
2 1/2	65	138	82
3	80	149	94
4	100	180	105

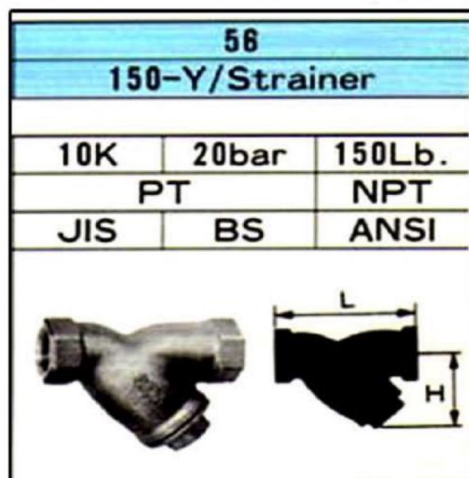
Working Pressure

- JIS/1.37Mpa (-10~120°C)
- BS/16bar (-10~100°C)
- ANSI/200PSI-WOG(100° F)
- JIS/1.96Mpa (-10~120°C)
- BS/20bar (-10~100°C)
- ANSI/300PSI-WOG(100° F)

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**Fig. 56 Class 150 Cast Bronze Y-Strainer Screwed**

150型 青銅製 Y型ストレーナー ネジ込み仕様



Dimension		L	H
1/4 inch	8 mm		
3/8	10	70	44
1/2	15	80	49
3/4	20	100	57
1	25	115	72
1 1/4	32	135	82
1 1/2	40	160	98
2	50	195	121
2 1/2	65	230	150
3	80	239	180
4	100		


Working Pressure

- JIS/1.37Mpa (-10~120°C)
- BS/16bar (-10~100°C)
- ANSI/200PSI-WOG(100° F)
- JIS/1.96Mpa (-10~120°C)
- BS/20bar (-10~100°C)
- ANSI/300PSI-WOG(100° F)



# SHOWA

## Cast Iron Flanged Type

Fig No.		78		
Item		125-Ball		
Material	Body	Cast Iron		
	Ball	S/S Steel		
	Seat	PTFE		
	Shaft	S/S Steel		
Design		2 PCS.		
Bore		Full Bore		
Working Pressure		• 200 WOG (120°C)		
Appearance				
Dimension		L	H	W
1/4 inch	8 mm			
3/8	10			
1/2	15	110	90	75
3/4	20	120	90	75
1	25	130	110	75
1 1/4	32	140	110	75
1 1/2	40	165	130	230
2	50	180	140	230
2 1/2	65	190	155	340
3	80	200	170	340
4	100	230	180	340
5	125	285	230	380
6	150	365	260	510
8	200	450	290	720
10	250	530	350	1000
Remark		Available for 125L.b		

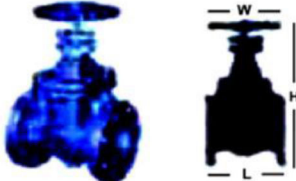
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CAST IRON VALVE

GATE VALVE N.R.S.

125LB.Flanged

Fig.1

Materials	Body	A 125 Class B		
	Trim	C83500		
Standard		ANSI		
Appearance				
Dimension		L	H	W
1 ½ inch	40 mm			
2	50	175	245	158
2 ½	65	190	272	158
3	80	203	297	158
4	100	229	356	175
5	125	254	397	135
6	150	287	443	200
8	200	292	561	280
10	250	330	667	210
12	300	350	728	355
14	350	381	904	460
16	400	406	1014	500
18	450	432	1151	580
20	500	457	1757	500
24	600	508	1473	710
Working Pressure		2" - 12" 200PSI WOG (100 T) 125PSI Steam 14" - 24" 150PSI WOG (100 T) 100PSI Steam		

Gate Valve are generally used in the fully - loosed position or in the fully opened position. From a structural point of view, there are two types of gate valves : Inside screw type gate valves and outside screw type gate valves.

The inside screw is a type of valve stem in which the threaded part of the valve stem for driving the disc up and down lies inside the valve body, and it's structure is comparatively more compact than that of the outside screw type. This type is suitable for an outer atmosphere with great deal duct or excessively high humidity.

The outside screw is a type of valve stem in which the threaded part of the valve stem driving the disc up and down lies outside the valve. When the disc rises, the stem itself rises.

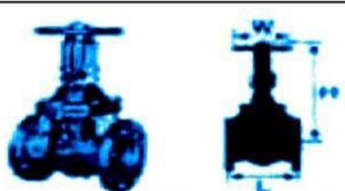
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**CAST IRON VALVE**

**GATE VALVE OS & Y**

**125LB.Flanged**

**Fig.6**

<b>Material</b>	<b>Body</b>	A126 B		
	<b>Trim</b>	C83600 or F6		
<b>Standard</b>		ANSI		
<b>Appearance</b>				
<b>Dimension</b>		<b>L</b>	<b>H(Open)</b>	<b>W</b>
1 1/2 inch	40 mm			
2	50	178	308	160
2 1/2	65	190	358	160
3	80	203	404	160
4	100	229	498	180
5	125	254	588	180
6	150	267	708	224
8	200	292	918	280
10	250	330	1120	300
12	300	356	1312	355
14	350	381	1544	450
16	400	406	1800	500
18	450	432	2002	580
20	500	457	2212	600
24	600	508	2690	710
<b>Working Pressure</b>		<ul style="list-style-type: none"> <li>● 2"-12"/200PSI-WOG/(100 F)</li> <li style="padding-left: 20px;">125PSI-Steam</li> <li>● 14"-24"/150PSI-WOG (100 F)</li> <li style="padding-left: 20px;">125PSI-Steam</li> </ul>		
		Dual Plate Check		
		Quick Close Type		

Gate Valve are generally used in the fully - loosed position or in the fully opened position. From a structural point of view, there are two types of gate valves : Inside screw type gate valves and outside screw type gate valves.

The inside screw is a type of valve stem in which the threaded part of the valve stem for driving the disc up and down lies inside the valve body, and it's structure is comparatively more compact than that of the outside screw type. This type is suitable for an outer atmosphere with great deal duct or excessively high humidity.

The outside screw is a type of valve stem in which the threaded part of the valve stem driving the disc up and down lies outside the valve. When the disc rises, the stem itself rises.

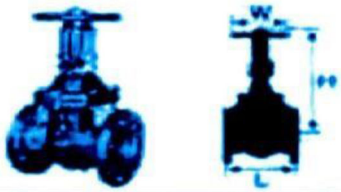
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**CAST IRON VALVE**

**GLOBE VALVE**

**125LB.Flanged**

**Fig.32**

<b>Material</b>	<b>Body</b>	A126 B		
	<b>Trim</b>	C83600 or F6		
<b>Standard</b>		ANSI		
<b>Appearance</b>				
<b>Dimension</b>		<b>L</b>	<b>H(Open)</b>	<b>W</b>
1 1/2 inch	40 mm			
2	50	203	265	180
2 1/2	65	216	289	200
3	80	241	329	224
4	100	292	367	280
5	125	330	398	315
6	150	356	457	355
8	200	495	561	450
10	250	622	665	500
12	300	698	800	560
14	350	787	890	600
16	400	914	1010	710
18	450	965	1120	800
20	500	978	1230	1000
<b>Working Pressure</b>		<ul style="list-style-type: none"> <li>● 2"-12"/200PSI-WOG/(100 F) 125PSI-Steam</li> <li>● 14"-24"/150PSI-WOG (100 F) 100PSI-Steam</li> </ul>		
		Dual Plate Check		
		Quick Close Type		

Globe valves are used for throttling the flow rate by positions of valve opening ratio, and generally are installed with gate valves. Y-type globe valves, angle valves and needle valves have similar structures. The pressure loss or Y-type valves is less than that of globe valves. Angle valves are mostly used in narrow ship spaces. Needle valves are used for closer throttling than globe valves. We can provide globe valves from 8mm to 800mm and other similar.


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**CAST IRON VALVE**

**CHECK VALVE**

**125LB.Flanged**

**Fig.9**

<b>Material</b>	<b>Body</b>	A126 B	
	<b>Trim</b>	C83600 or F6	
<b>Standard</b>		ANSI	
<b>Appearance</b>			
<b>Dimension</b>		<b>L</b>	<b>H</b>
1 1/2 inch	40 mm		
2	50	203	100
2 1/2	65	216	120
3	80	241	135
4	100	292	165
5	125	330	175
6	150	356	195
8	200	495	225
10	250	622	305
12	300	698	365
14	350	570	410
16	400	630	470
18	450	700	520
20	500	770	570
24	600	920	650
<b>Working Pressure</b>		<ul style="list-style-type: none"> <li>● 2"-12"/200PSI-WOG/(100 F) 125PSI-Steam</li> <li>● 14"-24"/150PSI-WOG (100 F) 100PSI-Steam</li> </ul>	
<b>Type</b>		Swing Check	

A check valve has the following function . When a fluid flows in a forward direction, the valve disc automatically open and when the flow stop, the disc automatically close. We manufacture four types of check valves. These are swing check valves, ringset type check valves, lift type silent check valves and dual plate check valves.

## SHOWA CB-Series Butterfly Valve---

- (1) **Basic Standard** Conforming TO JIS B 2032 Wafer and Centric disc and shaft position type
- (2) **Face To Face Dimension** Conforming To ISO-5752S, BS5155 Wafer-S, DIN 3202-K1, API 609 and JIS B 2002
- (3) **Flange Connections** Available for ISO 7005, DIN2501 BS4504 PN16, ANSI1125Lb. (150Lb.) and JIS 10K
- (4) **Size** 50mm~600mm
- (5) **Max. Working Pressure and Test pressure**

Item No.	Material				Size 300mm & below			Size 350mm & above		
	Body	Disc	Shaft	Seat	Max. Working Pressure	Test Pressure		Max. Working Pressure	Test Pressure	
						Body	Seat		Body	Seat
CB-1	Ductile Iron	304 S/Steel	410 S/Steel	EPDM	1.57Mpa	2.35Mpa	1.73Mpa	1.18Mpa	1.77Mpa	1.29Mpa
CB-2				NBR						
CB-3		Ductile Iron		EPDM						
CB-4				NBR						
CB-5	Cast Iron	304 S/Steel		EPDM	1.18Mpa	1.77Mpa	1.29Mpa	0.98Mpa	1.47Mpa	1.08Mpa
CB-6				NBR						
CB-7		Ductile Iron		EPDM						
CB-8				NBR						
CB-9	304 S/Steel	304 S/Steel		EPDM	1.57Mpa	2.35Mpa	1.73Mpa	1.18Mpa	1.77Mpa	1.29Mpa
CB-10										

### (6) Seat Ring



Our seat rings have a **ductile iron core** inside of the rubber.

- A. available to use under the condition of high pressure. (Max.1.57MPa)
- B. available to use under the condition of high flow speed. (Max.6m/sec.)
- C. available to use under the condition of Vacuum.

### (7) Top Flange

Conforming to ISO 5211

### (8) Operating

Lever, Gear, Air-cylinder and Electric.

### (9) Working Temperature

- 0°C to + 80°C for NBR
- 10°C to +120°C for EPDM

## WAFER

Fig. No.	76			77			
Item	CB-Lever Type			CB-Gear Type			
Material and Working Pressure Appearance							
Dimension	L	H	W	L	H	W	
2 inch	50 mm	43	167	260	43	161	152
2½	65	46	177	260	46	171	152
3	80	46	183	260	46	177	152
4	100	52	202	260	52	196	152
5	125	56	215	260	56	209	152
6	150	56	232	356	56	226	203
8	200	60	261	356	60	255	203
10	250	68	293	356	68	287	254
12	300				78	322	305
14	350				78	356	305
16	400				102	395	305
18	450				114	419	305
20	500				127	478	457
24	600				154	572	457

# SHOWA

**CAST IRON VALVE**

**Check Valve**

**Wafer**

**Fig. 68**

<b>Material</b>	<b>Body</b>	
	<b>Trim</b>	Rubber / CAC406 (BC5)
<b>Standard</b>		
<b>Appearance</b>		
<b>Dimension</b>		<b>L</b>
1 1/2 inch	40 mm	
2	50	54
2 1/2	65	54
3	80	57
4	100	64
5	125	70
6	150	75
8	200	95
10	250	108
12	300	143
14	350	184
16	400	191
18	450	203
20	500	219
24	600	222
<b>Working Pressure</b>		
<b>Type</b>		Dual Plate Check
<b>Remark</b>		Quick Close Type

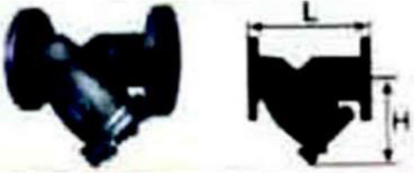
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**CAST IRON VALVE**

**Y-Strainer**

**125LB.Flanged**

**Fig No. 33**

<b>Item</b>		<b>A126 Class B</b>	
<b>Material</b>	<b>Body</b>	<b>A182 F304</b>	
	<b>Screen</b>	<b>ANSI</b>	
<b>Appearance</b>			
<b>Dimension</b>		<b>L</b>	<b>W</b>
<b>1 1/2 inch</b>	<b>40 mm</b>		
<b>2</b>	<b>50</b>	<b>220</b>	<b>135</b>
<b>2 1/2</b>	<b>65</b>	<b>270</b>	<b>179</b>
<b>3</b>	<b>80</b>	<b>290</b>	<b>190</b>
<b>4</b>	<b>100</b>	<b>350</b>	<b>238</b>
<b>5</b>	<b>125</b>	<b>390</b>	<b>270</b>
<b>6</b>	<b>150</b>	<b>440</b>	<b>321</b>
<b>8</b>	<b>200</b>	<b>540</b>	<b>384</b>
<b>10</b>	<b>250</b>	<b>680</b>	<b>472</b>
<b>12</b>	<b>300</b>	<b>840</b>	<b>547</b>
<b>14</b>	<b>350</b>	<b>910</b>	<b>630</b>
<b>16</b>	<b>400</b>	<b>1000</b>	<b>715</b>
<b>18</b>	<b>450</b>	<b>1100</b>	<b>850</b>
<b>Working Pressure</b>		<ul style="list-style-type: none"> <li>● 2"-12" / 200PSI - WOG (100 F) 125PSI-Steam</li> <li>● 14"-18" / 150PSI - WOG (100 F) 100PSI-Steam</li> </ul>	

We manufacture Y-type strainers which eliminate foreign matters in the pipe to protect equipment such as valves and pumps. We manufacture the strainers from 10mm to 450mm.