

# GB VALVE

GB/T584-2008

## MARINE CAST STEEL FLANGED STOP VALVE



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### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	1.0	65~150	Fresh water, Lubricating oil, Fuel oil, t≤300°C steam.
	1.6	125~150	
	2.5	20~150	
	4.0	65~100	Fresh water, Lubricating oil, Fuel oil, t≤400°C steam.
	6.4	20~50	
AS/BS GB2506	1.0	200~300	Fresh water, Lubricating oil, Fuel oil, t≤300°C steam.
	1.6	65~250	
	2.5	20~150	
	4.0	65~100	Fresh water, Lubricating oil, Fuel oil, t≤400°C steam.
	6.4	20~50	



### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG275-485
Disc	High-quality carbon steel	25
Stem	Stainless Steel	2Cr13
Disc seal ring	Weld stainless steel	E410
Body seal ring	Weld stainless steel	E347

# GB/T585-2008

## MARINE CAST STEEL FLANGED STOP CHECK VALVE



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	1.0	65~150	Fresh water, Lubricating oil, Fuel oil, t≤300°C steam.
	1.6	125~150	
	2.5	20~150	
	4.0	65~100	Fresh water, Lubricating oil, Fuel oil, t≤400°C steam.
	6.4	20~50	
AS/BS GB2506	1.0	200~300	Fresh water, Lubricating oil, Fuel oil, t≤300°C steam.
	1.6	65~250	
	2.5	20~150	
	4.0	65~100	Fresh water, Lubricating oil, Fuel oil, t≤400°C steam.
	6.4	20~50	



### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG275-485
Disc	High-quality carbon steel	25
Stem	Stainless Steel	2Cr13
Desc seal ring	Weld stainless steel	E410
Body seal ring	Weld stainless steel	E347

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	1.0	65~125	Fresh water, Lubricating oil, Fuel oil, $t \leq 300^{\circ}\text{C}$ steam.
	1.6	20~100	
AS/BS GB2506	1.6	100~125	
	2.5	20~100	



Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG275-485
Disc	High-quality carbon steel	25
Disc seal ring	Weld stainless steel	E410
Body seal ring	Weld stainless steel	E347



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	1.0	65~150	Seawater, Fresh water, Lubricating oil, Fuel oil, $t \leq 250^{\circ}\text{C}$ steam
	1.6	125~150	
	2.5	20~150	
AS/BS GB2506	0.6	15~150	
	1.6	65~150	
	2.5	15~125	



Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2



## GB/T588-2008

### MARINE BRONZE FLANGED STOP CHECK VALVE



#### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	1.0	65~150	Seawater, Fresh water, Lubricating oil, Fuel oil, t≤250°C steam
	1.6	125~150	
	2.5	20~150	
AS/BS GB2506	0.6	15~150	
	1.6	65~150	
	2.5	15~125	



#### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

## GB/T589-2008

### MARINE BRONZE FLANGED CHECK VALVE



#### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	1.0	65~150	Seawater, Fresh water, Lubricating oil, Fuel oil, t≤250°C steam
	1.6	125	
	2.5	20~100	
AS/BS GB2506	0.6	15~125	
	1.6	65~125	
	2.5	15~100	



#### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5

MARINE CAST IRON FLANGED STOP VALVE

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	1.0	65~150	Seawater, Fresh water, Lubricating oil, Fuel oil, t≤220°C steam
	1.6	20~50	
AS/BS GB2506	0.6	50~300	
	1.0	65~250	
	1.6	20~50	



Material of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Seat	Cast aluminum bronze	ZCuAl9Mn2
Stem	Aluminum bronze	QA19-2



MARINE CAST IRON FLANGED STOP CHECK VALVE

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	1.0	65~150	Seawater, Fresh water, Lubricating oil, Fuel oil, t≤220°C steam
	1.6	20~50	
AS/BS GB2506	0.6	50~300	
	1.0	65~250	
	1.6	20~50	



Material of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Seat	Cast aluminum bronze	ZCuAl9Mn2
Stem	Aluminum bronze	QA19-2



**GB/T592-93**
**MARINE CAST IRON FLANGED CHECK VALVE**

**Performance specification**

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	1.0	65~150	Seawater, Fresh water, Lubricating oil, Fuel oil, $t \leq 220^\circ$ C steam
	1.6	20~50	
AS/BS GB2506	0.6	50~300	
	1.0	65~250	
	1.6	20~50	

**Material of main parts**

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Seat	Cast aluminum bronze	ZCuAl9Mn2


**GB/T593-93**
**MARINE BRONZE FLANGED PACKED COCK**

**Performance specification**

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/L/T	0.6	20~80	Seawater, Fresh water, Lubricating oil, Fuel oil
AS/LS/TS	0.6	20~80	

**Material of main parts**

Parts name	Material	
	Name	Trademark
Body, Cover	Cast tin bronze	ZCuSn5Pb5Zn5

**GB/T593-93**
**MARINE CAST IRON FLANGED PACKED COCK**

**Performance specification**

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/L/T	0.6	20~80	Seawater, Fresh water, Lubricating oil, Fuel oil
AS/LS/TS	0.6	20~80	

**Material of main parts**

Parts name	Material	
	Name	Trademark
Body	Gray cast iron	HT200
Core	Cast tin bronze	ZCuSn5Pb5Zn5

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	4.0	15~32	Fresh water, Lubricating oil, Fuel oil, t≤400°C steam
B	10.0	6~32	Air, Fresh water, Lubricating oil, Fuel oil



Materials of main parts

Parts name	Material	
	Name	Trademark
Body	DN10~6	Stainless steel 2Cr13
	DN25~32	Carbon steel 20
Cover	Carbon steel	20
Disc, Stem	Stainless Steel	2Cr13

MARINE BRONZE MALE THREAD STOP VALVE

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	4.0	15~32	Fresh water, Lubricating oil, Fuel oil, t≤250°C steam
B	10.0	6~32	Seawater, Air, Fresh water, Lubricating oil, Fuel oil



Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast aluminum bronze	ZCuA19Mn2
Cover, Disc, Stem	Aluminum bronze	QA19-2

**GB/T593-93**
**MARINE BRONZE MALE THREAD STOP CHECK VALVE**

**Performance specification**

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B	4.0	10~32	Air, Fresh water, Lubricating oil, Fuel oil, $t \leq 250^{\circ}\text{C}$ steam

**Materials of main parts**

Parts name	Materials	
	Name	Trademark
Body	Cast aluminum bronze	ZCuA19Mn2
Cover, Disc, Stem	Aluminum bronze	QA19-2

**GB/T597-1983**
**MARINE BRONZE MALE THREAD CHECK VALVE**

**Performance specification**

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B	4.0	10~32	Air, Fresh water, Lubricating oil, Fuel oil, $t \leq 250^{\circ}\text{C}$ steam

**Materials of main parts**

Parts name	Material	
	Name	Trademark
Body	Cast aluminum bronze	ZCuA19Mn2
Cover, Disc, Stem	Aluminum bronze	QA19-2

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/L/T	1.0	32	Seawater, Fresh water, Lubricating oil, Fuel oil,
	1.0	20, 25	
	2.5	6, 10, 15	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Core	Cast aluminum bronze	ZCuA19Mn2



MARINE BRONZE MALE THREAD DRAW-OFF COCK **GB/T599-1996**

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	1.0	32	Seawater, Fresh water, Lubricating oil, Fuel oil
	1.6	20、 25	
	2.5	6、 10、 15	
B	0.1	10、 15、 20、 25	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Core	Cast tin bronze	ZCuSn5Pb5Zn5



**GB/T1241-83**

**MARINE FORGED MALE THREAD STOP CHECK VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	4.0	10~32	Fresh water, Lubricating oil, Fuel oil, Air, $t \leq 250^{\circ}\text{C}$ steam.
B			

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Core	Carbon steel	Q235-A
Disc, Stem	Stainless Steel	2Cr13

**GB/T1850-1984**

**MARINE MALE THREAD WEIGHT QUICK-CLOSING VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	2.5	10~32	Fuel oil

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Carbon steel	Q235-A
Disc, Stem	Stainless Steel	2Cr13

**MARINE FLANGED CAST STEEL STEAM PRESSURE REDUCING VALVE**

Performance specification

Nominal diameter (mm)	Inlet	20	25	32	40	50	65	80	100	125	150	Applicable medium
	Outlet	25	32	40	50	65	80	100	125	150	200	
Nominal pressure (MPa)	Inlet pressure P1	0.4~2.5										Steam
	outlet pressure P2	0.2~0.6										
		0.6~1.2										



Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	ZG230-450
Main spring	Spring steel	50CrVA
Adjusting spring	Spring steel	60Si2Mn
Diaphragm	Tin bronze	QSn6.5-0.1

**MARINE FLANGED CAST STEEL OVER BOARD STOP CHECK VALVE**

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B	0.6	40~350	Seawater, Fresh water
AS/BS	0.6	40~350	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray east iron	HT200
Disc, Seat	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2



**GB/T1854-93**

**MARINE FLANGED CAST IRON SINGLE ARRANGEMENT SUCTION STOP BOX VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
R/RS	1.0	40/50~150/200	Seawater, Fresh water
S/SS	0.6	200/250, 250/300	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	gray cast iron	HT200
Disc	cast tin bronze	ZCuSn5Pb5Zn5
Seat	cast aluminum bronze	ZCuAl9Mn2
Stem	aluminum bronze	QA19-2



**GB/T1855-93**

**MARINE FLANGED CAST IRON SINGLE ARRANGEMENT SUCTION STOP CHECK BOX VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
R/RS	1.0	40/50~150/200	Seawater, Fresh water
S/SS	0.6	200/250, 250/300	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	cast tin bronze	ZCuSn5Pb5Zn5
Seat	cast aluminum bronze	ZCuAl9Mn2
Stem	aluminum bronze	QA19-2



**MARINE FLANGED CAST IRON SINGLE ARRANGEMENT EXHAUST STOP BOX VALVE**
**GB/T1856-93**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
R/RS	1.0	40~150	Seawater, Fresh water
S/SS	0.6	200, 250	



## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	gray cast iron	HT200
Disc	cast tin bronze	ZCuSn5Pb5Zn5
Seat	cast aluminum bronze	ZCuAl9Mn2
Stem	aluminum bronze	QA19-2

**MARINE LOW PRESSURE BRONZE MALE THREADED STOP VALVE**
**GB/T1951-2008**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	1.6	6~32	Fresh water, Lubricating oil, Fuel oil, $t \leq 250^{\circ}\text{C}$ steam.
B			

## Materials of main parts

Parts name	Material		
		Name	Trademark
Body, Cover, Disc		Cast tin bronze	ZCuSn5Pb5Zn5
Stem	DN6, DN10	Stainless steel	2Cr13
	DN15-DN32	Aluminum bronze	CA19-2



**GB/T1953-1984**

**MARINE LOW PRESSURE BRONZE MALE THREADED STOP CHECK VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	1.6	15~32	Fresh water, Lubricating oil, Fuel oil, t≤250℃ steam.

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	CA19-2

**GB/T2029-2008**

**MARINE CAST STEEL SUCTION SEA VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
B/BS	0.4	80~500	Seawater, Fresh water

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG230-450
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
B/BS	0.4	80~500	Seawater, Fresh water

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2



## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/AS B/BS	1.0	40, 50, 65	Seawater, Fresh water

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2



GB/T2499-93

MARINE CAST IRON FLANGE DUAL-ROW STOP BOX VALVE



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
R/RS	1.0	40/50~150/200	Seawater, Fresh water
S/SS	0.6	200/250, 250/300	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	gray cast iron	HT200
Disc	cast tin bronze	ZCuSn5Pb5Zn5
Seat	cast aluminum bronze	ZCuAl9Mn2
Stem	aluminum bronze	QA19-2

GB/T5744-2008

QUICK SHUTTING VALVE FOR MARINE USE



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Cylinder working pressure	Applicable medium
AS/AQ BS/BQ ASS/AQS BSS/BQS	0.25	20~150	0.3~0.7	Lubricating oil, Fuel oil and other oil.

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG230-450
Disc	Carbon Steel	45
Seat	Stainless steel	2Cr13
Stem	Stainless steel	2Cr13

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
BS	0.4	50~500	Fresh water, sea water

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG230-450
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2



## CAST BRONZE SUCTION SEA VALVE

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
BS	0.4	50~500	Fresh water, sea water

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2



# CB VALVE CB304-92

## CAST IRON FLANGED ANGLE SAFETY VALVE



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
B	0.1~0.3	20~80	Seawater, Fresh water, $t \leq 220^{\circ}\text{C}$ Steam
	>0.3~0.6	20~80	
BS	>0.6~0.9	20~80	
	>0.9~1.6	50	

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	gray cast iron	HT200
Disc	cast tin bronze	ZCuSn10Zn2
Stem	Aluminum bronze	QA19-2

# CB/T309-1999

## MARINE BRONZE FEMALE THREAD STOP VALVE



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	1.6	6~50	Fresh water, Lubricating oil, Fuel oil, $t \leq 205^{\circ}\text{C}$ steam.
B	1.6	15~50	

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	1.6	15~50	Fresh water, Lubricating oil, Fuel oil, $t \leq 205^{\circ}\text{C}$ steam.

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5



PRESSURE GAUGE VALVE

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	4.0	6	Water, air, fuel, oil, steam temperature not higher than $250^{\circ}\text{C}$
B	10.0	6	Fresh water, air, CO <sub>2</sub> , oil, steam temperature not higher than $400^{\circ}\text{C}$
	16.0	6	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Silicon brass, stainless steel	ZHSi80-3, 2Cr13
Disc	Aluminum bronze	QA19-2
Stem	Stainless steel	2Cr13



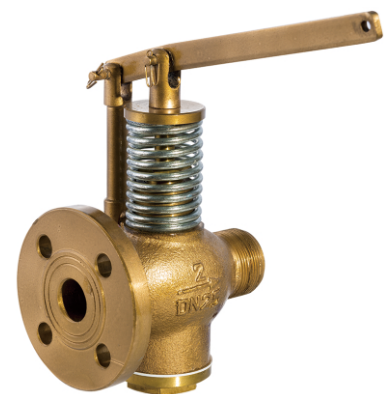
SELF-CLOSING DARW-OFF VALVE

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A, AS	0.25	15, 25, 40	Seawater, Fresh water, Lubricating oil, Fuel oil

Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast steel or cast tin bronze	ZG230-450 ZCuSn5Pb5Zn5
Disc, Stem	Aluminum	QA19-2



## CB/T465-1995 MARINE CAST IRON FLANGED GATE VALVE



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/AS	0.6	50~150	Seawater, Fresh water, Lubricating oil, Fuel oil
	0.4	200~300	
AS	0.25	350~500	

### Materials of main parts

Parts name	Material	
	Name	Trademark
Bdy, Cover, Disc	gray cast iron	HT200
Stem, Square nut	Aluminum bronze	QA19-2

## CB/T466-1995 MARINE CAST STEEL FLANGED GATE VALVE



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	1.0	50~100	Fresh water, Lubricating oil, Fuel oil
	0.6	125~150	
AS	0.4	200~300	
	0.25	350~500	

### Materials of main parts

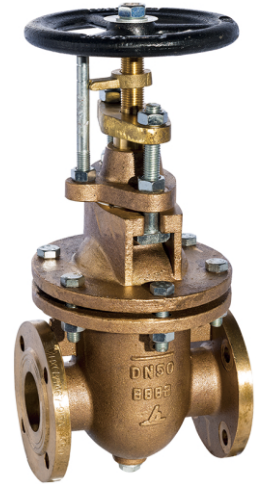
Parts name	Material	
	Name	Trademark
Body, Cover, Disc	cast steel	ZG230-450
Stem	Stainless steel	2Cr13
Square nut	Aluminum bronze	QA19-2

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	0.1	50~100	Seawater, Fresh water, Lubricating oil, Fuel oil
AS	0.6	125~150	
A	0.4	200~300	
AS	0.25	350~500	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem, Square nut	Aluminum bronze	QA19-2



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Cylinder working pressure	Applicable medium
A	0.25	20~100	0.3~0.7	Oil, fuel oil and other oils
B				

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG230-450
Disc	Carbon Steel	45
Stem	Stainless steel	2Cr13
Cylinder	Stainless steel	2Cr13



## CB/T624-1995 WATER PRESSURE REDUCING VALVE



### Performance specification

Type	Nominal pressure (MPa)	maximum flow m <sup>3</sup> /h	Inlet pressure	Outlet pressure	Applicable medium
A AS	32	11	0.8~1.6	0.2~0.8	Seawater Fresh water
	40	18			
	50	28			
	65	48			
	80	72			

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast tin bronze	ZCuSn5Pb5Zn5
Cover	Cast steel	ZG230-450
Disc	Brass	HSn62-1
Stem	Aluminum bronze	QA19-2

## CB/T3022-1994 MALE THREAD AIR SIGNAL SAFETY VALVE



### Performance specification

Nominal diameter (mm)	10	15	20	25
Nominal pressure (MPa)	0.1~0.25	0.1~0.25	0.1~0.25	0.1~0.25
	>0.25~0.6	>0.25~0.6	>0.25~0.4	>0.25~0.4
	>0.6~1.2	>0.6~0.9	>0.4~0.6	>0.4~0.9
	>1.2~1.6	>0.9~1.2	>0.6~0.9	>0.9~1.2
	>1.6~2.5	>1.2~1.6	>0.9~1.2	>1.2~1.6
	>2.5~3.5	>1.6~2.2	>1.2~1.6	>1.6~2.0
	>3.5~4.0	>2.2~3.5	>1.6~2.2	>2.0~2.5
	>4.0~6.5	>3.5~5.0	>2.2~3.0	>2.5~3.0
	-	>5.0~6.5	>3.0~3.5	>3.0~3.5

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Carbo Steel	35
Cover, Disc	Aluminum Bronze	QA19-2

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	0.6	200~250	Seawater, Fresh water
	1.0	65~150	
	1.6	40~150	
AS/BS GB2506	0.6	200~250	
	1.0	65~150	
	1.6	40~150	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG230-450
Disc, Seat	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/B GB569	0.6	200~250	Seawater, Fresh water
	1.0	65~150	
	1.6	40~150	
AS/BS GB2506	0.6	200~250	
	1.0	65~150	
	1.6	40~150	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG230-450
Disc, Seat	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2



**CB/T3475-92** MARINE FLANGE CAST STEEL , BRONZE STORM VALVE



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A,/AS	0.5	50~100	Seawater, Fresh water, Sewage pipes
B/BS	0.5	50~150	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel or cast tin bronze	ZG230-450 ZCuSn5Pb5Zn5
Disc	Cast tin bronze	ZCuSn5Pb5Zn5

**CB/T3476-1992** VERTICAL STORM VALVE



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/AS B/BS	0.5	50~150	Seawater, Fresh water, Sewage pipes

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel or cast tin bronze	ZG230-450 ZCuSn5Pb5Zn5
Disc	Cast tin bronze	ZCuSn5Pb5Zn5

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/AS B/BS	0.5	50~150	Seawater, Fresh water, Sewage pipes

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel or cast tin bronze	ZG230-450 ZCuSn5P5Zn5
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2


**FLANGED SUCTION CHECK VALVE**

## Performance specification

Type	Nominal diameter (mm)	Applicable medium
Y/YS R/RS	32~250	Seawater, Fresh water, Oils

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast iron or cast tin bronze	HT200 ZCuSn5Pb5Zn5
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2



## CB/T3591-94 FLANGED NODULAR IRON GATE VALVE FOR OIL TANKER



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/AS B/BS	1.0	80~400	Fuel oil, refined oil, fresh water

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Nodular cast iron or Cast Steel	QT400-15 ZG230-450
Stem, Square nut	Aluminum bronze	QA19-2

## CB/T3656-94 MARINE AIR PRESSURE REDUCING VALVE



### Performance specification

pressure classification	Inlet pressure P1(MPa)	outlet pressure P2(MPa)	Applicable medium
A	3.0	1.0~0.7	Air
B	3.0	<0.7~0.2	
C	1.0	0.4~0.05	

### Pressure reducing valve parameters

nominal diameter		Inlet working pressure P1(MPa)	outlet working pressure P2(MPa)
Inlet Dn1	Outlet Dn2		
15	20	3.0	1.0~0.7
20	25	3.0	<0.7~0.2
25	32	1.0	0.4~0.05

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast silicon brass	ZCuZn16Si4
Cover	Cast steel	ZG230-450
Spring	Spring steel	60Si2Mn2A
Diaphragm	Oil-proof rubber	

## Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
1.0	32~500	Fresh water, sea water

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Disc	Castb aluminum bronze	ZCuAl9Mn2


 MALE BRONZE ANGLE LIQUID SAFETY VALVE **CB/T907-94**

## Performance specification

Working Pressure (MPa)	Nominal diameter (mm)	Applicable medium
0.1~0.25	10~25	Seawater, Fresh water, Lubricating oil, Fuel oil
>0.25~0.6		
>0.6~0.9		
>0.9~1.2		
>1.2~1.6		
>1.6~2.5		
>2.5~3.2		

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast aluminum bronze	ZCuAl9Mn2
Cover, Disc	Aluminum bronze	QA19-2



**CB/T3841-1999**

**OVER BOARD BOILER DICHARGE VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A/AS	2.5	25, 32, 40	Water and $t \leq 250^{\circ}\text{C}$ steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG230-450
Disc, Stem	Aluminum bronze	QA19-2

**CB/T3843-1999**

**PRESSURE RELIEF VALVE**



Performance specification

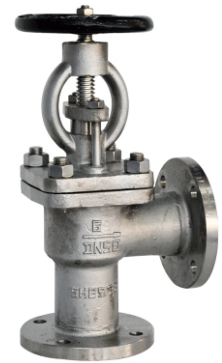
Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
0.3~0.5	40~100	Fresh water, sea water, fuel

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5

## Performance specification

Type	Nominal pressure (MPa)	Operating Temperature °C							Nominal diameter (mm)	Applicable medium
		≤20	100	150	200	250	300	350		
		Max working pressure MPa								
		P <sub>2</sub>	P <sub>10</sub>	P <sub>15</sub>	P <sub>20</sub>	P <sub>25</sub>	P <sub>30</sub>	P <sub>35</sub>		
A/AS	1.0	0.95	0.86	0.81	0.76	0.71	0.66	0.36	65~150	Liquefied gas carriers, bulk chemical carrier pipeline system design temperature not lower than -165 °C
	1.6	1.52	1.31	1.29	1.21	1.13	1.06	1.01	125~150	
	2.5	2.38	2.15	2.01	1.89	1.77	1.66	1.59	20~150	
	4.0	3.80	3.44	3.22	3.02	2.83	2.65	2.54	65~100	
	6.4	5.69	5.26	4.96	4.68	4.41	4.16	3.92	20~50	
B/BS	0.6	0.57	0.52	0.48	0.45	0.42	0.40	0.38	15~300	
	1.0	0.95	0.86	0.81	0.76	0.71	0.66	0.63	200~300	
	1.6	1.52	1.31	1.29	1.21	1.13	1.06	1.01	100~300	
	2.5	2.38	2.15	2.01	1.89	1.77	1.66	1.59	15~300	
	4.0	3.80	3.44	3.22	3.02	2.83	2.65	2.54	65~100	
	6.4	5.69	5.26	4.96	4.68	4.41	4.15	3.92	20~50	



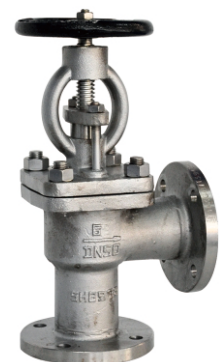
## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Stainless steel	304, 304L, 316, 316L
Stem	Stainless steel	2Cr13, 304, 304L, 316, 316L
Seals, Packing	PTFE	PTFE

## FLANGED CAST STAINLESS STEEL STOP CHECK VALVE

## Performance specification

Type	Nominal pressure (MPa)	Operating Temperature °C							Nominal diameter (mm)	Applicable medium
		≤20	100	150	200	250	300	350		
		Max working pressure MPa								
		P <sub>2</sub>	P <sub>10</sub>	P <sub>15</sub>	P <sub>20</sub>	P <sub>25</sub>	P <sub>30</sub>	P <sub>35</sub>		
A/AS	1.0	0.95	0.86	0.81	0.76	0.71	0.66	0.36	65~150	Liquefied gas carriers, bulk chemical carrier pipeline system design temperature not lower than -165 °C
	1.6	1.52	1.31	1.29	1.21	1.13	1.06	1.01	125~150	
	2.5	2.38	2.15	2.01	1.89	1.77	1.66	1.59	20~150	
	4.0	3.80	3.44	3.22	3.02	2.83	2.65	2.54	65~100	
	6.4	5.69	5.26	4.96	4.68	4.41	4.16	3.92	20~50	
B/BS	0.6	0.57	0.52	0.48	0.45	0.42	0.40	0.38	15~300	
	1.0	0.95	0.86	0.81	0.76	0.71	0.66	0.63	200~300	
	1.6	1.52	1.31	1.29	1.21	1.13	1.06	1.01	100~300	
	2.5	2.38	2.15	2.01	1.89	1.77	1.66	1.59	15~300	
	4.0	3.80	3.44	3.22	3.02	2.83	2.65	2.54	65~100	
	6.4	5.69	5.26	4.96	4.68	4.41	4.15	3.92	20~50	



## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Stainless steel	304, 304L, 316, 316L
Stem	Stainless steel	2Cr13, 304, 304L, 316, 316L
Seals, Packing	PTFE	PTFE

**FLANGED CAST STEEL STORM VALVE**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	0.5	50~150	Seawater, Fresh water, Sewage pipes
B	0.5	50~150	



## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel or cast tin bronze	ZG230-450 ZCuSn5Pb5Zn5
Disc	cast tin bronze	ZCuSn5Pb5Zn5

**FLANGED CAST STEEL SUCTION SEA VALVE**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
B	0.4	50~500	Seawater, Fresh water

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG230-450
Disc	cast tin bronze	ZCuSn5Pb5Zn5
Stem	aluminum bronze	QA19-2



**CBM1048-81** 10kg/cm<sup>2</sup> FLANGED CAST STEEL STOP VALVE



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	1.0	50~250	Freshwater, Lubricants and temperature $t \leq 300$ °C steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG275-485
Disc	Good quality carbon steel	25
Stem	Stainless steel	2Cr13
Disc Sealing surface	Welding stainless steel	E410
Body sealing surface	Welding Stainless steel	E347

**CBM1049-81** 10kg/cm<sup>2</sup> FLANGED CAST STEEL STOP CHECK VALVE



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	1.0	50~250	Freshwater, Lubricants and temperature $t \leq 300$ °C steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body Cover	Cast steel	ZG275-485
Disc	Good quality carbon steel	25
Stem	Stainless steel	2Cr13
Disc Sealing surface	Welding stainless steel	E410
Body Sealing surface	Welding stainless steel	E347

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	1.0	50~250	Freshwater,Lubricants and temperature t ≤ 300 °C steam

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG275-485
Disc	Good quality carbon steel	25
Disc Sealing surface	Welding stainless steel	E410
Body Sealing surface	Welding stainless steel	E347



## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	2.0	32~150	Freshwater,Lubricants and temperature t ≤ 300 °C steam

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG275-485
Disc	Good quality carbon steel	20
Stem	Stainless steel	2Cr13
Disc Sealing surface	Welding Stainless steel	E410
Body Sealing surface	Welding Stainless steel	E347



**CBM1052-81**

**20kg/cm<sup>2</sup> FLANGED CAST STEEL STOP CHECK VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	2.0	32~150	Freshwater, Lubricants and temperature $t \leq 300$ °C steam
B			

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast Steel	ZG275-485
Disc	Good quality carbon steel	20
Stem	Stainless steel	2Cr13
Disc Sealing surface	Welding stainless steel	E410
Body Sealing surface	Welding stainless steel	E347

**CBM1053-81**

**20kg/cm<sup>2</sup> FLANGED CAST STEEL CHECK VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	2.0	32~150	Freshwater, Lubricants and temperature $t \leq 300$ °C steam
B			

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG275-485
Disc	Good quality carbon steel	25
Disc Sealing surface	Welding stainless steel	E410
Body Sealing surface	Welding stainless steel	E347

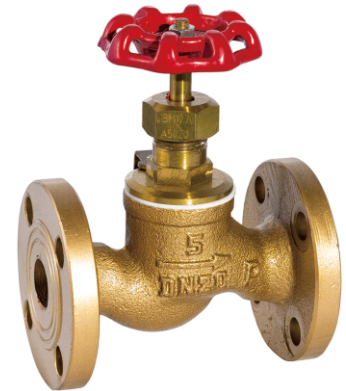
**5kg/cm<sup>2</sup> FLANGED BRONZE STOP VALVE**
**CBM1069-81**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	0.5	15~65	Seawater, Freshwater, Lubricants and temperature t ≤ 250 °C steam
B			

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast in bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

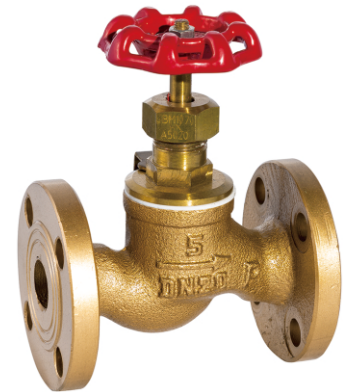

**5kg/cm<sup>2</sup> FLANGED BRONZE STOP CHECK VALVE**
**CBM1070-81**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	0.5	15~65	Seawater, Freshwater, Lubricants and temperature t ≤ 250 °C steam
B			

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

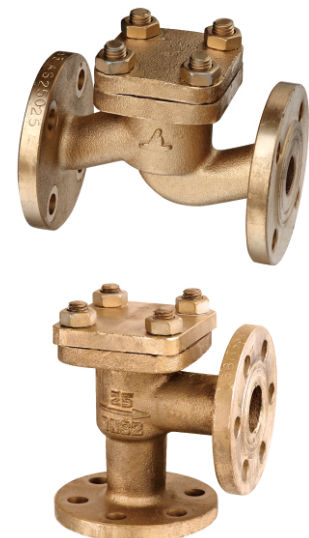

**5kg/cm<sup>2</sup> FLANGED BRONZE CHECK VALVE**
**CBM1071-81**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	0.5	15~40	Freshwater, Lubricants and temperature t ≤ 250 °C steam
B			

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast in bronze	ZCuSn5Pb5Zn5



**CBM1075-81** 16kg/cm<sup>2</sup> FLANGED BRONZE STOP VALVE



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	1.6	15~40	Seawater, freshwater, Lubricants Oil, fuel and temperature t ≤ 250 °C steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

**CBM1076-81** 16kg/cm<sup>2</sup> FLANGED BRONZE STOP CHECK VALVE



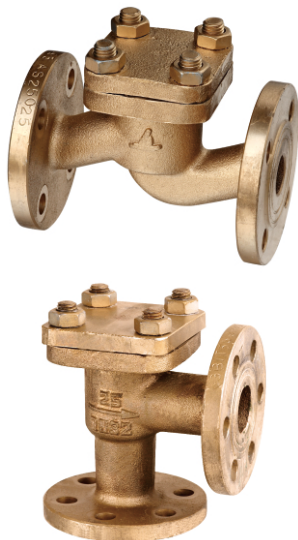
Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	1.6	15~40	Seawater, freshwater, Lubricants Oil, fuel and temperature t ≤ 250 °C steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin Bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

**CBM1077-81** 16kg/cm<sup>2</sup> FLANGED BRONZE CHECK VALVE



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	1.6	15~40	Seawater, freshwater, Lubricants Oil, fuel and temperature t ≤ 250 °C steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
F U	0.1	15~50	freshwater, Lubricants Oil, fuel

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast Steel or Cast tin bronze	ZG230-450 ZCuSn5Pb5Zn5
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2



## Performance specification

Type	Nominal diameter (mm)	m3/h Max flow	Inlet pressure	Outlet pressure	Applicable medium
A	32	11	0.8~1.6	0.2~0.8	Seawater freshwater
	40	18			
	50	28			
	65	48			
	80	72			

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body	CAST tin bronze	ZCuSn5Pb5Zn5
Cover	Cast Steel	ZG230-450
Disc	Brass	HSn62-1
Stem	Aluminum bronze	QA19-2



**CBM1081-81** 10kg/cm<sup>2</sup> FLANGED CAST IRON STOP VALVE



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	1.0	50~250	Seawater, freshwater, fuel and temperature $t \leq 225$ °C steam
B			

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

**CBM1082-81** 10kg/cm<sup>2</sup> FLANGED CAST IRON STOP CHECK VALVE



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	1.0	50~250	Seawater, freshwater, fuel and temperature $t \leq 225$ °C steam
B			

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

**CBM1089-81**

**5kg/cm<sup>2</sup> FLANGED CAST IRON STOP VALVE**



Performance specification

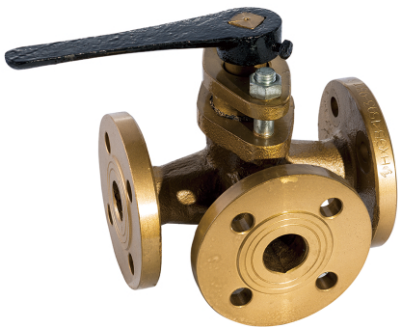
Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	0.5	50~150	Seawater, freshwater, fuel and temperature $t \leq 225$ °C steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5

**CBM1080-81**

**5kg/cm<sup>2</sup> BRONZE FLANGED PACKED COCK**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A, L, T	0.5	25~65	Seawater, freshwater, Lubricants Oil, fuel

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast tin bronze	ZCuSn5Pb5Zn5

Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
0.5	50~150	Seawater, freshwater, Lubricants Oil
0.4	200~400	
0.2	450~500	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Gray cast iron	HT200
Stem, Square nut	Aluminum bronze	QA19-2



Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
1.0	50~100	Fuel oil, freshwater, Lubricants oil
0.5	125~150	
0.4	200~400	
0.2	350~500	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Ccast steel	ZG230-450
Stem	Stainlesssteel	2Cr13
Squate nut	Akuminum bronze	QA19-2



## CBM1090-81 FLANGED BRONZE GATE VALVE



### Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
0.5	15~40	Fuel, lubricating oil, fresh water, Water, air and temperature $t \leq 250$ °C steam

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem, Square nut	Aluminum bronze	QA19-2

## CBM1107-82 10kg/cm<sup>2</sup> FLANGED BRONZE FIRE VALVE



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	1.0	40, 50, 65	Seawater, freshwater

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

## CBM1109-82 MARINE BRONZE HOSE CONNECTION VALVE



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A B	1.0	15, 25	Seawater, freshwater

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum bronze	QA19-2

**BALL VALVE**

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
Q11F	1.0/1.6	6~100	Seawater, freshwater, Lubricants Oil, fuel, air, steam and other corrosive medium
Q21F	1.0/1.6	6~50	
Q41F	1.0/1.6	15~300	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast Steel, bronze, stainless steel	WCB, ZCuSn5Pb5Zn5, 304, 316
Ball body, Stem	Stainless steel	2Cr13, 304, 316
Seat	PTFE	PTFE



Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
1.0	50~250	Seawater, freshwater

Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast steel, bronze	ZG230-450, ZcuSn5Pb5Zn5
Baseplate	Carbon steel	Q235-A
Disc	Carbon steel, Cast tin bronze	Q235-A, ZcuSn5Pb5Zn5
Stem	Stainless steel, Lead Brass	2Cr13, HPb59-1

**DECK LEVEL VALVE** **PMF**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A, AS B, BS	1.0	80~400	Liquefied petroleum gas, chemicals

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Stainless steel	304, 304L, 316, 316L
Stem, Square nut	Stainless steel	304, 304L, 316, 316L

**STAINLESS STEEL GATE VALVE** **ZF-N**



## DRAIN VALVE



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
ST-A ST-C	1.0	15~50	steam

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast steel, bronze	ZG230-450、ZcuSn5Pb5Zn5
Cover, Core	Lead Brass	HPb59-1
Filter screen, Cartridge	Stainless steel	304

## DRAIN VALVE GROUP

### Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Operating Temperature	Connection	Applicable medium
0.7~1.0	15~40	190	Flanged	steam

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast steel, bronze	ZG230-450、ZcuSn5Pb5Zn5
Cover, Core	Lead Brass	HPb59-1
Filter screen, Cartridge	Stainless steel	304



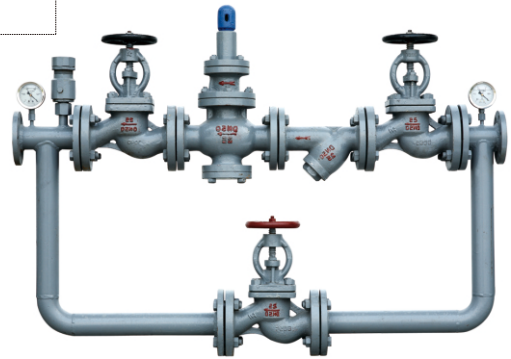
**AIR PRESSURE REDUCING VALVE GROUP**

## Performance specification

Pressure range	Nominal diameter (mm)	Connection	Applicable medium
3.0~1.0 3.0~0.7 1.0~0.7 0.7~0.4	15~65	Flanged	Air

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast silicon brass	ZCuZn16Si4
Cover	Cast steel	ZG230-450
Spring	Spring steel	60Si2Mn2A
Diaphragm	Oil-proof rubber	

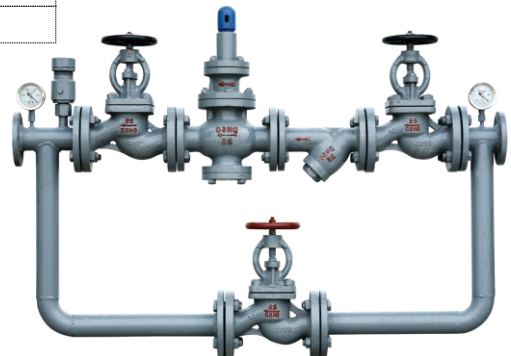

**STEAM PRESSURE REDUCING VALVE GROUP**

## Performance specification

Pressure range	Nominal diameter (mm)	Connection	Applicable medium
3.0~1.0 3.0~0.7 1.0~0.7 0.7~0.4	15~65	Flanged	Temperature $t \leq 280$ °C steam

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	ZG230-450
Main spring	Spring steel	50CrVA
Adjusting spring	Spring steel	60Si2Mn
Diaphragm	tin bronze	QSn6.5-0.1





## Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
4.0	15~32	Air

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Carbon Steel	20
Cartridge	Red Copper	T4

## CB/T422-93 LIQUID FLOW OBSERVER



## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Max temperature °C	Applicable medium
J	0.4	40~50	120	Seawater, freshwater, Oil
	0.25	65~100		
JS	0.4	20~50		
	0.25	65~200		
T, TS	0.1	25~200	70	Overflow pipe, water, oil,

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel or cast iron	ZG230-450 HT200
Transparent sheet, Pipe material	Polycarbonate	PC

## CB/T425-94 LOW PRESSURE OF FILTERS



## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	0.4	20~100	Fuel oil, Lubricants oil
AS			

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Core	Cast tin bronze	ZCuSn5Pb5Zn5

**INLET CB/T495-1995**

## Performance specification

Type	Nominal diameter (mm)	Applicable medium
A, AS	20~300	Water, Oil
B, BS	80~500	
C	20~300	



## Materials of main parts

Parts name	Material	
	Name	Trademark
A,AS,C Flanged body	Carbon Steel	Q235-A
B, Bs Body	Cast Iron	HT200


**DECK LEAK WATERS OPENING CB496-74**

## Performance specification

Type	Nominal diameter (mm)	Applicable medium
YA, YB	32~65	Indoor and outdoor deck leaks, drain line
YC	32~100	
YD	65	
TA, TB	80, 100	
SA, SB, SC	40~100	



## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Grating, Seal cover	Carbon Steel	Q235-A

**SUCTION WATER FILTER CB/T497-94**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A, AS	0.1	40~600	Seawater, freshwater
BR, BRS, BL, BLS	0.1	40~500	

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Carbonsteel	Q235-A
Filter screen	Carbon steel or stainless steel	Q235-A 或 304、316



## CB/T692-1994 OIL-TANK BREATHER VALVE



### Performance specification

Type	Working Pressure (MPa)		Nominal diameter (mm)	Applicable medium
	Pressure valve	Vacuum valve		
A, AS	≤ 0.021	< -0.007	80/100	For tank ventilation pressure vacuum line
B, BS			100/150	

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Housing	cast iron	HT200
Guide-bar	Stainless steel	2Cr13
Stem	aluminum bronze	QA19-2

## CB623-80 SUCTION STRAINER



### Performance specification

Type	Nominal diameter (mm)	Applicable medium
A Type	25~100	Indoor and outdoor deck leaks, drain line
B Type	125~250	
C Type	40~100	
D Type	125、150	

### Materials of main parts

Parts name	Material	
	Name	Trademark
Filter screen	Carbon Steel or brass	A3F H62

## CB/T3198-94 MARINE ANGLE MUD BOXE



### Performance specification

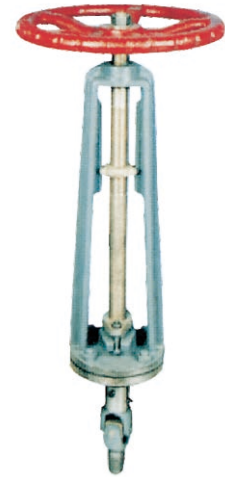
Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
B, BS	0.1	50~250	Sea water, fresh water, bilge water

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Filter screen	Carbon Steel	Q230-A

Performance specification

Name	Size	Standard markers	Scope
Deck controuer	S <sub>0</sub> =24	2401CB693-75	2DN150、 200
	S <sub>0</sub> =27	2701CB693-75	DN250
	S <sub>0</sub> =32	3201CB693-75	Dn300、 350
Universal Joints	S <sub>1</sub> =24	2402CB693-75	DN150、 200 S <sub>0</sub> =24
	S <sub>1</sub> =27	2702CB693-75	DN250 S <sub>0</sub> =27
	S <sub>1</sub> =32	3202CB693-75	DN300、 350 S <sub>0</sub> =32
B-type round end-Joint	d=33	B33CB401-65	DN150、 200 S <sub>0</sub> =24
	d=38.5	B38.5CB401-65	DN250~350 S <sub>0</sub> =27.32
Intermediate convey tube	OD 42, Thickness 4.5	YB231-64	S <sub>1</sub> =24 d=33
	OD 50, Thickness 5.5	YB231-64	S <sub>1</sub> =27、 32 d=38.5
Middle bracket	S <sub>2</sub> =24	2405CB693-75	S <sub>1</sub> =24
	S <sub>2</sub> =27	2705CB693-75	S <sub>1</sub> =27
	S <sub>2</sub> =32	3205CB693-75	S <sub>1</sub> =32
B-type flange gate valve for tanker	Dn150, 200	CB612-67	S <sub>1</sub> =24
	DN250D	CB612-67	S <sub>1</sub> =27
	N300, 350	CB612-67	S <sub>1</sub> =32



Materials of main parts

Parts name		Material	
		Name	Trademark
Controller	Bracket	Ductile Iron	QT400-15
	Baseplate	Carbon Steel	Q235-A
Universal joint	Fork head	Carbon steel or stainless steel	35, 304, 316
	Cross connector	Manganese brass	HMn58-2
Middle bracket	Square head haft	Carbon Steel	45
	Bracket body	Carbon Steel	Q235-A

Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
3.0	10~32	Air line

Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast steel	ZG230-450
Filter screen	Stainless steel ir Brass	304 H80

Y TYPE AIR FILTER **CB3251-85**



## CB/T3572-94 AIR AND WATER SEPARATOR



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A, AS	3.0	20~50	Air
B, BS	3.0	20~80	

### Materials of main parts

Parts name	Material	
	Name	Trademark
Cylinder, Elbow	Carbon Steel	C10
Float	Stainless steel	304

## CB/T3594-94 MARINE AIR PIPE JOINT



### Performance specification

Type	Nominal diameter (mm)	Applicable medium
A, AS, B, BS	50~250	Oil, water tank air line
C, CS	50~100	
D, DS, E, ES, FS	50~350	

### Materials of main parts



Parts name	Material	
	Name	Trademark
Body	Ductile iron or gray cast iron	HT200 QT400-15
Float	Stainless steel	304

## CB/T3657-94 INTERNATIONAL SHORE CONNECTION FOR OILY WASTEWATER AND SEWAGE



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A, AS	0.6	32~125	Oily wastewater, sewage
B, BS	0.6	40~100	

### Materials of main parts

Parts name	Material	
	Name	Trademark
flanged, Cover	Carbon Steel	Q230-A

**FLUSH VALVE FOR TOILET CB3666-95**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A, B	0.4	25	Fecal sewage
C	0.4	20	

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast silicon brass	ZHSi80-3


**SOUNDING DEVICE COMPONENTS CB/T3778-1999**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	0.1	40~150	Oil, water
B	0.1	40~150	
C	0.1	40~150	
Sounding self-closing valve	0.2	40, 50, 65	

## Materials of main parts

Parts name	Material	
	Name	Trademark
Injection head body	Cast steel	ZG230-450
Sounding self-closing valve body	Cast tin bronze	ZCuSn5Pb5Zn5


**SMALL SHAFT DRIVING DEVICE COMPONENTS CB/T3791-1999**

## Performance specification

Type	Name
A1	Deck control head with position indicator
A2	Handwheel control head with position indicator
A3	Handwheel control head with bevel gear and position indicator
B1	With bracket bevel gear group
B2	With flange bevel gear group
C1	Srew connection bulkhead packing gland
C2	Welding bulkhead packing gland
C3	With bevel gear group bulkhead packing gland
D1	Universal joint for pip
D2	Universal joint for pipe and shaft
D3	Universal joint for pipe and square head
D4	Universal joint for shaft

Performance specification

Type	Name
D5	Stainless steel Universal joint (key connection)
D6	Stainless steel Universal joint (pin connection)
E1	Round end-joint for handwheel
E2	Normal round end-joint
E3	Head end-joint
E4	Square head end-joint for slip coupling
F1	Fixed coupling
F2	Slip coupling
G1	Quick-release joint
G2	Expansion joint
H1	Normal bracket
H2	Bracket with handwheel and position indicator
T	Box spanner



A1 Basic parameters

Type	Diameter of small shaft round-head	S, Side length of small shaft square hole
A1	12	9
	18	12
	21	14
	27	19
	33	24
	38.5	27
	42	32



A2 Basic parameters

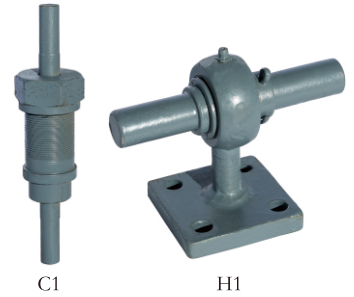
Type	Diameter of small shaft round-head	Connection size of weld baseplate	
		D1	D2
A2	12	94	122
	18	94	122
	21	94	122
	27	130	158
	33	130	158
	38.5	148	176
	42	148	176

A3, C3 Basic parameter

Type	Diameter of small shaft round-head	Connection size of weld baseplate	
		D1	D2
A3, C3	12	94	122
	18	103	131
	21	104	132
	27	120	148
	33	130	158
	38.5	148	176
	42	148	176

B1, B2, C1, C2, G1, H1, H2 Basic parameters

Type	Diameter of small shaft round-head
B1, B2	12
	18
C1, C2	21
G1	27
H1, H2	33
	38.5
	42



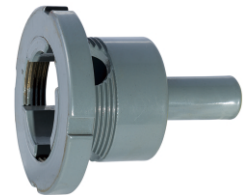
D1, D2, D3 Basic parameters

Type	Diameter of small shaft round-head	Side length of small shaft square hole
D1	12	9, 11
	18	12, 14
	21	17
D2	27	19
D3	33	22, 24
	38.5	27, 32
	42	36



Basic parameters

Type	Diameter of small shaft round-head	Diameter of hand wheel	d(in) Pipe thread diameter
E1	12	100~120	G1¼
	18	140~180	G2
	21	200	G2
	27	225	G2½
	33	250~280	G2½
	38.5	320~350	G4
	42	500~560	G4



E3 Basic parameters

Type	d, Diameter of small shaft roundhead	S, Side length	End-thread diameter
E3	12	9	M8
	18	12	M10
	21	14	M12
	27	19	M16
	33	24	M24
	38.5	27	M24
	42	32	M24



E4 Basic parameter

Type	Diameter of small shaft round-head	Side length of small shaft square hole
E4	12	9,11
	14	12, 14
	17	17
	19	19
	23	22, 24
	32	27, 32
	36	36

# CB/T3791-1999 SMALL SHAFT DRIVING DEVICE COMPONENTS



F1 Basic parameter

Type	Diameter of small shaft roundhead	Steel pipe	
		Outlet dia.	Inner dia.
F1	12	18	12
	18	22	18
	21	25	21
	27	32	27
	33	38	33
	38	44.5	38.5
	42	48	42

F2 Basic parameter

Type	Diameter of small shaft round-head	Side length of small shaft square hole
F2	12	13
	18	15
	21	18
	27	20
	33	25
	38.5	33
	42	37



G1 Basic parameters

Type	Diameter of small shaft roundhead	Pipe outlet dia
G1	12	16
	18	22
	21	25
	27	32
	33	38
	38.5	44.5
	42	48

T Basic parameters

Type	Side length of square hole	Pipe outlet dia
T	9	14
	12	16
	14	18
	19	20
	24	24
	27	28
	32	30

Materials of main parts

Parts name	Material	
	Name	Trademark
control-head body	Carbon steel	Q230-A
control stem		
small shaft		
Shade body		
Weld baseplate		
Flange		
Bracket connection stem Bush	Lead Brass	H62

DECK WATER LEAKAGE **CB/T3885-1999**

Performance specification

Type	Nominal diameter (mm)	Applicable medium
YA, YB	32~65	Indoor and outdoor deck leaks, drain line
TA, TB	80~150	
SA, SB, SC	40~100	

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Grating, Seal cover	Carbon Steel	Q235-A
Stem	Aluminum Bronze	QA19-2



AIR AND WATER SEPARATOR **CBM1034-81**

Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
3.0	40, 50	Air

Materials of main parts

Parts name	Material	
	Name	Trademark
Tube, pipe	Carbon Steel	C10
Seamless steel pipe, cover, tailgate	Carbon Steel	Q235-A



INLET **CBM1036-81**

Performance specification

Type	Nominal diameter (mm)	Applicable medium
A, B	50~300	Oil, water
C	150~500	
D	150~500	

Materials of main parts

Parts name	Material	
	Name	Trademark
A,B,C Flanged Body	Carbon Steel	Q235-A
D Body	Cast iron	HT200



## CBM1039-81 FLANGED CAST IRON LIQUID FLOW OBSERVER



### Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
0.4	20~200	Oil, water

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast iron	HT200
Cover	Carbon Steel	Q235-A
Transparent sheets, pipe	Polycarbonate	PC

## CBM1061-81 SUCTION WATER FILTER



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A	0.2	50~500	Sea water, fresh water
BR, BL	0.2	50~200	

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Tube	Carbon Steel	Q230-A

## CBM1062-81 MUD BOX



### Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
A, B	0.1	50~500	Sea water, fresh water

### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Tube	Carbon Steel	Q230-A

**DECK WATER LEAKAGE CBM1068-81**

## Performance specification

Type	Nominal diameter (mm)	Applicable medium
YA, YB	32~65	Indoor and outdoor deck leaks, drain line
TA, TB	80~150	
SA, SB, SC	40~100	

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Grating, Seal Cover	Carbon Steel	Q235-A
Stem	Aluminum bronze	QA19-2


**OIL TANK AIR PIPE JOINT CBM1105-81**

## Performance specification

Nominal diameter (mm)	Applicable medium
50~250	Sea water, fresh water

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Upper cover	Ductile Iron	QT40-17
tube	Stainless steel	304


**WATER TANK AIR PIPE JOINT CBM1106-82**

## Performance specification

Nominal diameter (mm)	Applicable medium
50~250	Sea water, fresh water

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Upper cover	Ductile Iron	QT40-17
Tube	Stainless steel	304



**CBM1110-82** FIRE JOINT



Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
1.0	40, 50, 65	Sea water, fresh water

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Bush	Cast silicon brass	ZHSi80-3

**CBM1111-82** FIRE HOSE COUPLING



Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
1.0	40, 50, 65	Sea water, fresh water

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Bush	Cast silicon brass	ZHSi80-3

**CBM1113-82** FIRE JOINT COVER



Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
1.0	40, 50, 65	Sea water, fresh water

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Bush	Cast silicon brass	ZHSi80-3

## Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
0.1	25~200	Oil, water

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast Steel	HT200
Cover	Lead Steel	HPb59-1
Transparent sheet, pipe	Polycarbonate	PC


**SELF-CLOSING SOUNDING PIPE HEAD** **CBM1128-82**

## Performance specification

Nominal diameter (mm)	Applicable medium
40~80	Cabin or other compartments measuring pipe

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Core, Cap	Cast tin bronze	ZCuSn5Pb5Zn5


**SINGLE OIL FILTER** **CBM1133-82**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
S, LA, LB	0.5	25~300	Temperature is not higher than 80 °C, fuel, oil

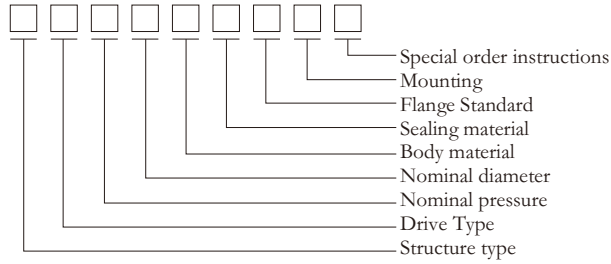
## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, cover	Carbon steel or cast iron	Q235-A HT200
Tube	carbon Steel	Q235-A
Filter screen	Stainless steel or brass	304 H68



## Mark example and drive form

## 1. Mark example



2

A-Handle-drive, B-Screw-drive, C-Worm-drive, D-Electric-drive, Q-Pneumatic-drive, Y-Hydraulic-drive.

Flange connection type: Wafer and flange type.

Flange connection Standard: GB/T2501(ISO).

Sealing materials applicable instruction

 1 NBR-N applicable medium: Seawater, freshwater and crude oil, product oil with  $t \leq 70\text{ }^{\circ}\text{C}$  refined oil.

 2 FPM-F applicable medium: petrol and water, oil with  $70\text{ }^{\circ}\text{C} \leq t \leq 170\text{ }^{\circ}\text{C}$ , and other place which request anti-corrosion.

3 PTFE-P applicable medium: Alcohols, aldehydes, strong acid, strong alkali, strong oxidant.

**MARINE CENTER-PIVOTED HANDLE-DRIVE MANUAL BUTTERFLY VALVE**
**GB/T3036-94**

## Performance specification

Type	Flange connection standard	Nominal pressure (MPa)	Nominal diameter (mm)
A	GB/T2501	1.0	50~200

## Cast steel central butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N

## Bronze central butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N



**GB/T3036-94 B**

**MARINE CENTER-PIVOTED SCREW-DRIVE MANUAL BUTTERFLY VALVE**



**Performance specification**

Type	Flange connection standard	Nominal pressure (MPa)	Nominal diameter (mm)
B	GB/T2501	1.0	50~400

**Cast steel central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N

**Bronze central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**GB/T3036-94 C**

**MARINE CENTER-PIVOTED WORM-DRIVE MANUAL BUTTERFLY VALVE**



**Performance specification**

Type	Flange connection standard	Nominal pressure (MPa)	Nominal diameter (mm)
C	GB/T2501	1.0	50~600

**Cast steel central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N

**Bronze central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**MARINE CENTER-PIVOTED ELECTRIC-DRIVE BUTTERFLY VALVE** GB/T3036-94 D
**Performance specification**

Type	Flange connection standard	Nominal pressure (MPa)	Nominal diameter (mm)
D	GB/T2501	1.0	50~600

**Cast steel central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N


**Bronze central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Sealring	NBR	NBR	N

**MARINE CENTER-PIVOTED PNEUMATIC-DRIVE BUTTERFLY VALVE** GB/T3036-94 Q
**Performance specification**

Type	Flange connection standard	Nominal pressure (MPa)	Nominal diameter (mm)
Q	GB/T2501	1.0	50~600

**Cast steel central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N


**Bronze central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

## GB/T3036-94 Y

### MARINE CENTER-PIVOTED HYDRAULIC-DRIVE BUTTERFLY VALVE



#### Performance specification

Type	Flange connection standard	Nominal pressure (MPa)	Nominal diameter (mm)
Y	GB/T2501	1.0	50~400

#### Cast steel central butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N

#### Bronze central butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

## GB/T3037-99 C

### MARINE DUO-ECCENTRIC-PIVOTED WORM-DRIVE BUTTERFLY VALVE



#### Performance specification

Type	Flange connection standard	Nominal pressure (MPa)	Nominal diameter (mm)
C	GB/T2501	1.0/1.6	50~600

#### Cast steel double eccentric butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	1Cr17Ni2	/
Seal ring	NBR	NBR	N

#### Bronze double eccentric butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**MARINE DUO-ECCENTRIC-PIVOTED ELECTRIC-DRIVE BUTTERFLY VALVE** GB/T3037-99 D
**Performance specification**

Type	Flange connection standard	Nominal pressure (MPa)	Nominal diameter (mm)
D	GB/T2501	1.0/1.6	50~600


**Cast steel double eccentric butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	1Cr17Ni2	/
Seal ring	NBR	NBR	N

**Bronze double eccentric butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**MARINE DUO-ECCENTRIC-PIVOTED PNEUMATIC-DRIVE BUTTERFLY VALVE** GB/T3037-99 Q
**Performance specification**

Type	Flange connection standard	Nominal pressure (MPa)	Nominal diameter (mm)
Q	GB/T2501	1.0/1.6	50~600


**Cast steel double eccentric butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	1Cr17Ni2	/
Seal ring	NBR	NBR	N

**Bronze double eccentric butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**GB/T3037-99 Y**

**MARINE DUO-ECCENTRIC-PIVOTED HYDRAULIC-DRIVE BUTTERFLY VALVE**



**Performance specification**

Type	Flange connection standard	Nominal pressure (MPa)	Nominal diameter (mm)
Y	GB/T2501	1.0	50~600

**Cast steel double eccentric butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	1Cr17Ni2	/
Seal ring	NBR	NBR	N

**Bronze double eccentric butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**HXDJV17**

**WAFER BUTTERFLY CHECK VALVE**



**Performance specification**

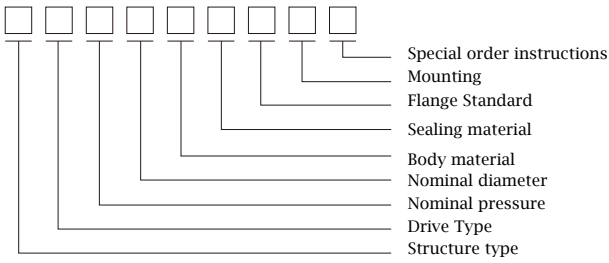
Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
1.0~1.6	50~300	Sea water, fresh water, oil, refined oil

**Materials of main parts**

Parts name	Material	
	Name	Trademark
Body	Cast steel, bronze, cast iron	ZG230-450、ZuSn5Pb5Zn5、HT200
Disc	Stainless steel, cast in bronze	304、316、ZuSn5Pb5Zn5
Seals	Nitrile rubber, FPM	NBR、FPM

**Mark example and drive form**

**1. Mark example**



**2. drive form**

A-Handle-drive, B-Screw-drive, C-Worm-drive, D-Electric-drive, Q-Pneumatic-drive, Y-Hydraulic-drive.

**Flange connection type:** Wafer and flange type.

**Flange connection Standard:** JIS.

**Sealing materials applicable instruction**

- 1 NBR-N applicable medium: Seawater, freshwater and crude oil, product oil with  $t \leq 70^\circ\text{C}$  refined oil.
- 2 FPM-F applicable medium: petrol and water, oil with  $70^\circ\text{C} \leq t \leq 170^\circ\text{C}$ , and other place which request anti-corrosion.
- 3 PTFE-P applicable medium: Alcohols, aldehydes, strong acid, strong alkali, strong oxidant.

**MARINE JIS CENTER-PIVOTED HANDLE-DRIVE MANUAL BUTTERFLY VALVE**

**JIS F7480-96 A**

**Performance specification**

Type	Flange connection standard	Nominal pressure (K)	Nominal diameter (mm)
A	JISB2220	5K/10K	50~200

**Cast steel JIS central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N

**Bronze JIS central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N



## JIS F7480-96 B

### MARINE JIS CENTER-PIVOTED SCREW-DRIVE MANUAL BUTTERFLY VALVE



#### Performance specification

Type	Flange connection standard	Nominal pressure (K)	Nominal diameter (mm)
B	JISB2220	5K/10K	50~400

#### Cast steel JIS central butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N

#### Bronze JIS central butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

## JIS F7480-96 C

### MARINE JIS CENTER-PIVOTED WORM-DRIVE MANUAL BUTTERFLY VALVE



#### Performance specification

Type	Flange connection standard	Nominal pressure (K)	Nominal diameter (mm)
C	JISB2220	5K/10K	50~600

#### Cast steel JIS central butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N

#### Bronze JIS central butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**MARINE JIS CENTER-PIVOTED ELECTRIC-DRIVE BUTTERFLY VALVE**
**JIS F7480-96 D**
**Performance specification**

Type	Flange connection standard	Nominal pressure (K)	Nominal diameter (mm)
D	JISB2220	5K/10K	50~600

**Cast steel JIS central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N


**Bronze JIS central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**MARINE JIS CENTER-PIVOTED PNEUMATIC-DRIVE BUTTERFLY VALVE**
**JIS F7480-96 Q**
**Performance specification**

Type	Flange connection standard	Nominal pressure (K)	Nominal diameter (mm)
Q	JISB2220	5K/10K	50~600

**Cast steel JIS central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	2Cr13	/
Seal ring	NBR	NBR	N


**Bronze JIS central butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

## JIS F7480-96 Y

### MARINE JIS CENTER-PIVOTED HYDRAULIC-DRIVE BUTTERFLY VALVE



#### Performance specification

Type	Flange connection standard	Nominal pressure (K)	Nominal diameter (mm)
Y	JISB2220	5K/10K	50~400

#### Cast steel JIS central butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body		ZG230-450	G
Valve plate		304	N
Stem		2Cr13	/
Seal ring		NBR	N

#### Bronze JIS central butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

## JIS F7480-96 C

### MARINE JIS DUO-ECCENTRIC-PIVOTED WORM-DRIVE BUTTERFLY VALVE



#### Performance specification

Type	Flange connection standard	Nominal pressure (K)	Nominal diameter (mm)
C	JISB2220	10K/16K	50~600

#### Cast steel JIS double eccentric butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	1Cr17Ni2	/
Seal ring	NBR	NBR	N

#### Bronze JIS double eccentric butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**MARINE JIS DUO-ECCENTRIC-PIVOTED ELECTRIC-DRIVE BUTTERFLY VALVE**
**JIS F7480-96 D**
**Performance specification**

Type	Flange connection standard	Nominal pressure (K)	Nominal diameter (mm)
D	JISB2220	10K/16K	50~600


**Cast steel JIS double eccentric butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	1Cr17Ni2	/
Seal ring	NBR	NBR	N

**Bronze JIS double eccentric butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**MARINE JIS DUO-ECCENTRIC-PIVOTED PNEUMATIC-DRIVE BUTTERFLY VALVE**
**JIS F7480-96 Q**
**Performance specification**

Type	Flange connection standard	Nominal pressure (K)	Nominal diameter (mm)
Q	JISB2220	10K/16K	50~600


**Cast steel JIS double eccentric butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	1Cr17Ni2	/
Seal ring	NBR	NBR	N

**Bronze JIS double eccentric butterfly valve main parts material**

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

# JIS F7480-96 Y

## MARINE JIS DUO-ECCENTRIC-PIVOTED HYDRAULIC-DRIVE BUTTERFLY VALVE



### Performance specification

Type	Flange connection standard	Nominal pressure (K)	Nominal diameter (mm)
Y	JISB2220	10K/16K	50~600

### Cast steel JIS double eccentric butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Cast steel	ZG230-450	G
Valve plate	Stainless steel	304	N
Stem	Stainless steel	1Cr17Ni2	/
Seal ring	NBR	NBR	N

### Bronze JIS double eccentric butterfly valve main parts material

Parts name	Material		
	Name	Trademark	Code
Body	Tin bronze	ZCuSn5Pb5Zn5	Q
Valve plate	Aluminum bronze	ZCuAl9Mn2	Q
Stem	Aluminum bronze	QA19-2	/
Seal ring	NBR	NBR	N

**J TYPE FLANGED CAST STEEL 1.0MPa STOP VALVE**
**JIS VALVE**  
**CB/T4002-2005**  
**JIS F7319, JIS F7320**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	1.0	50~300	Fresh water, oil, air or other gas and the temperature $t \leq 300$ °C steam

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast Steel	ZG260-520C
Disc	Cast Stainless Steel	ZG20Cr13
Stem	Stainless steel	1Cr13


**J TYPE FLANGED CAST STEEL 1.0MPa STOP CHECK VALVE**
**CB/T4003-2005**  
**JIS F7471, JIS F7472**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	1.0	50~200	Fresh water, oil, air or other gas and the temperature $t \leq 300$ °C steam

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast Steel	ZG260-520C
Disc	Cast Stainless Steel	ZG20Cr13
Stem	Stainless steel	1Cr13



**CB/T4004-2005**  
**JIS F7313, JIS F7314**

**J TYPE FLANGED CAST STEEL 2.0MPa STOP VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	2.0	32~250	Fresh water, oil, air or other gas and the temperature $t \leq 400$ °C steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast Steel	ZG260-520C
Disc	Cast Stainless Steel	ZG20Cr13
Stem	Stainless steel	1Cr13

**CB/T4005-2005**  
**JIS F7473, JIS F7474**

**J TYPE FLANGED CAST STEEL 2.0MPa STOP CHECK VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	2.0	32~250	Fresh water, oil, air or other gas and the temperature $t \leq 400$ °C steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast Steel	ZG260-520C
Disc	Cast Stainless	ZG20Cr13
Stem	Stainless steel	1Cr13

**J TYPE FLANGED CAST IRON 0.5MPa STOP VALVE**
**CB/T4007-2005**  
**JIS F7305, JIS F7306**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	0.5	50~400	Fresh water, oil, air or other gas and the temperature $t \leq 205$ °C steam

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Lead Brass	HPb59-1


**J TYPE FLANGED CAST IRON 0.5MPa STOP CHECK VALVE**
**CB/T4008-2005**  
**JIS F7353, JIS F7354**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	0.5	50~400	Fresh water, oil, air or other gas and the temperature $t \leq 205$ °C steam

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Lead Brass	HPb59-1



**CB/T4010-2005**  
JIS F7358, JIS F7359

**J TYPE FLANGED CAST IRON 1.0MPa STOP VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	1.0	50~300	Fresh water, oil, air or other gas and the temperature $t \leq 205^{\circ}\text{C}$ steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Lead Brass	HPb59-1

**CB/T4011-2005**  
JIS F7375, JIS F7376

**J TYPE FLANGED CAST IRON 1.0 MPa STOP CHECK VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	1.0	50~300	Fresh water, oil, air or other gas and the temperature $t \leq 205^{\circ}\text{C}$ steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Gray cast iron	HT200
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Lead Brass	HPb59-1

**J TYPE FLANGED BRONZE 0.5MPa STOP VALVE**
**CB/T4012-2005  
 JIS F7301, JIS F7302**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	0.5	15~80	Fresh water, oil, air or other gas and the temperature $t \leq 205$ °C steam

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Lead Brass	HPb59-1


**J TYPE FLANGED BRONZE 0.5MPa STOP CHECK VALVE**
**CB/T4013-2005  
 JIS F7351, JIS F7352**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	0.5	15~40	Fresh water, oil, air or other gas and the temperature $t \leq 205$ °C steam

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast tin bronze	ZCuSn5Pb5Zn5
Disc	Lead Brass	HPb59-1



**CB/T4015-2005**  
JIS F7303, JIS F7304

**J TYPE FLANGED BRONZE 1.6 MPa STOP VALVE**

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	1.6	15~40	Fresh water, oil, air or other gas and the temperature $t \leq 205$ °C steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Lead Brass	HPb59-1



**CB/T4016-2005**  
JIS F7409, JIS F7410

**J TYPE FLANGED BRONZE 1.6MPa STOP CHECK VALVE**

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	1.6	15~40	Fresh water, oil, air or other gas and the temperature $t \leq 205$ °C steam

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Lead Brass	HPb59-1



### J TYPE CAST STEEL OVER BOARD VALVE

**CB/T4022-2005**  
**JIS F7365, JIS F7350**

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	1.0	50~300	Seawater, Fresh water

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast Steel	ZG260-520C
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Lead Brass	HPb59-1



### J TYPE FLANGED CAST STEEL SCREW DOWN VERTICAL STORM VALVE

**CB/T4023-2005**  
**JIS F3060**

Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ	0.5	50~150	Seawater, Fresh water, Sewage pipes

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel or cast tin bronze	ZG230-450 ZcuSn5Pb5Zn5
Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Lead Brass	HPb59-1



**CB/T4024-2005**  
**JIS F7398**

**J TYPE FLANGED SELF-CLOSING DRAIN VALVE**



Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
JU	0.1	25, 40, 50	Fresh water, sea water, fuel
JF			

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel or cast tin bronze	ZG230-450 ZCuSn5Pb5Zn5
Disc	Lead brass	HPb59-1
Stem	Spring steel	60Si2Mn

**CB/T4026-2005**  
**JIS F7363**

**J TYPE FLANGED CAST IRON 0.5MPa GATE VALVE**



Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
0.5	50~400	Seawater, Lubricating oil, Fresh water

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Gray cast iron	HT200
Stem	Stainless steel	2Cr13
Square nut	Aluminum bronze	QA19-2

**CB/T4027-2005**  
**JIS F7366**

**J TYPE FLANGED CAST STEEL 1.0MPa GATE VALVE**



Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
1.0	50~400	Fuel oil, Lubricating oil, Fresh water

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast steel	ZG260-520C
Stem	Stainless steel	2Cr13
Square nut	Aluminum bronze	QA19-2

**J TYPE FLANGED BRONZE 0.5MPa GATE VALVE**
**CB/T4028-2005**  
**JIS F7367**

## Performance specification

Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
0.5	15~40	Fuel, lubricating oil, fresh water, sea water, air and steam temperature $t \leq 250$ °C

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem, Square nut	Aluminum brass	HPb59-1


**J TYPE FLANGED BRONZE 0.5MPa PACKED COCK**
**CB/T4029-2005**  
**JIS F7381**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, LJ, TJ	0.5	25~65	Fuel, lubricating oil, fresh water, sea water

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Core	Cast tin bronze	ZCuSn5Pb5Zn5
Packing gland	Aluminum brass	HPb59-1


**J TYPE FLANGED BRONZE HOSE VALVE**
**CB/T4033-2005**  
**JIS F7334**

## Performance specification

Type	Nominal pressure (MPa)	Nominal diameter (mm)	Applicable medium
AJ, BJ	0.5	15, 25	Seawater, Fresh water
	1.0	15, 25	

## Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover, Disc	Cast tin bronze	ZCuSn5Pb5Zn5
Stem	Aluminum brass	HPb59-1



## JH41-150LB

### API FLANGED CAST STEEL STOP VALVE



#### Performance specification

Design and manufacturing standards	BS 1873, ASME B16.34
Flange dimensions	ASME B16.5
Structural length	ASME B16.10
Pressure-temperature ratings	ASME B16.34
Nominal pressure (MPa)	CLASS150
Nominal diameter (mm)	DN50-DN300
Applicable medium	Fresh water, oil, air or other gases and the temperature $t \leq 300$ °C steam

#### Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	WCB
Disc	High-quality carbon steel	252
Stem	Stainless steel	Cr13
Valve disc sealing surface	Welding stainless steel	E410
Valve sealing surface	Welding stainless steel	E347

## D71X-150LB

### API BUTTERFLY VALVE



#### Performance specification

Design and manufacturing standards	API609
Flange dimensions	ASME B16.5
Structural length	ASME B16.10
Pressure-temperature ratings	ASME B16.10
Nominal pressure (MPa)	CLASS150
Nominal diameter (mm)	DN50-DN300
Applicable medium	<ol style="list-style-type: none"> <li>1. Nitrile rubber: sea water, and temperature <math>t \leq 70</math> °C crude oil, refined oil</li> <li>2. Viton: gasoline and water, oil and other anti-corrosion requirements of <math>t \leq 170</math> °C occasions</li> <li>3. PTFE: alcohols, aldehydes, acids, strong salty, strong oxidants</li> </ol>

#### Materials of main parts

Parts name	Material	
	Name	Trademark
Body	Cast Steel	WCB
	Stainless steel	CF8
	Bronze	CuSn5PbZn5
Disc	Aluminum bronze	CuAl9Mn
	Stainless steel	CF8
Stem	Stainless steel	2Cr13
	Aluminum bronze	CuAl9Mn
Seals	Nitrile rubber	NBR
	Viton rubber	F
	Polytetrafluoroethylene	PTFE

API BALL VALVE **Q41F-150LB**

Performance specification

Design and manufacturing standards	API608
Flange dimensions	ASME B16.5
Structural length	ASME B16.10
Pressure-temperature ratings	ASME B16.34
Nominal pressure (MPa)	CLASS150
Nominal diameter (mm)	DN15-DN200
Applicable medium	Water, gas, oil, sour, salty and other corrosive media



Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast steel	WCB
	Stainless steel	CF8
	Bronze	CuSn5PbZn5
Seat	Polytetrafluoroethylene	PTFE
Stem	Stainless steel	2Cr13

API BALL VALVE **Z40-150LB**

Performance specification

Design and manufacturing standards	API600
Flange dimensions	ASME/ANSI B16.5
Structural length	ASME B16.10
Pressure-temperature ratings	ASME B16.34
Nominal pressure (MPa)	CLASS150
Nominal diameter (mm)	DN50-DN300
Applicable medium	Water, Steam, Oil

Materials of main parts

Parts name	Material	
	Name	Trademark
Body, Cover	Cast Steel	WCB
Valve disc	Stainless steel	CF8
Stem	Stainless steel	2Cr13

