

JIS 10K

SWING CHECK VALVE

Bolted cover, disc.

Designed to JIS B2031

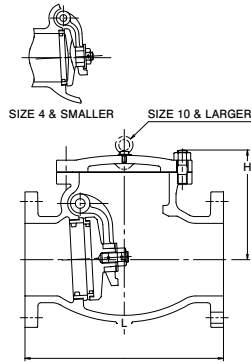
Fig. 10FCO

• Bronze trim

Fig. 10FCOS

• Stainless steel trim
(13 Cr.)

Fig. 10FCOU

• Stainless steel trim
(18-8)

Materials

Parts		Material	JIS Spec.		
			10FCO	10FCOS	10FCOU
Body		Cast Iron	FC200		
Cover		Cast Iron	FC200		
Disc	1 1/2 to 4	Cast Bronze/Stainless Steel	CAC406	403SS	304SS
	5 & larger	Cast Iron	FC200		
Hinge pin		Forged Brass/Stainless Steel	C3771	403SS	304SS
Disc seat ring		Cast Bronze/Stainless Steel	CAC406	403SS	304SS
Body seat ring		Cast Bronze	CAC406	403SS	304SS
Arm		Stainless Steel	A351 Gr.CF8/SCS13A		
Gasket	Soft Steel				
Cover bolt/nut	Carbon Steel				

For JIS Valves Pressure-Temperature Ratings MPa, refer to page 2.

Dimensions

Valve Size	B A	1 1/2*	2	2 1/2	3	4	5	6	8	10*	12*	14*
L Face-to-face	40	50	65	80	100	125	150	200	250	300	350	787
H Height	106	111	121	145	165	207	225	268	315	356	381	

Only 12" & 14" for 10FCOS & 10FCOU. *No JIS Mark

CLASS 125

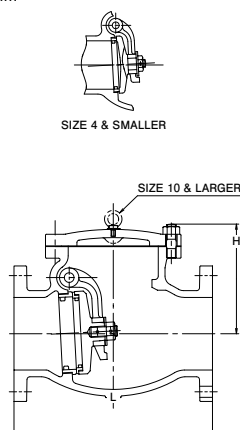
SWING CHECK VALVE

Bolted cover, disc.

Fig. 125FCO

• Bronze trim

Fig. 125FCOS

• Stainless steel trim
(13 Cr.)

Materials

Parts	Material	ASTM Spec.		
		125FCO	125FCOS	
Body	Cast Iron	FC200		
Cover	Cast Iron	FC200		
Disc	2 to 4	Cast Bronze/Stainless Steel	CAC406	403SS
	5 & larger	Cast Iron	FC200	
Hinge pin	Forged Brass/Stainless Steel	C3771	403SS	
Disc seat ring	Cast Bronze/Stainless Steel	CAC406	403SS	
Body seat ring	Cast Bronze/Stainless Steel	CAC406	403SS	
Arm	Stainless Steel	A351 Gr.CF8/SCS13A		
Gasket	Soft Steel			
Cover bolt/nut	Carbon Steel			

For Class 125 Valves Pressure-Temperature Ratings, refer to page 2.

Dimensions

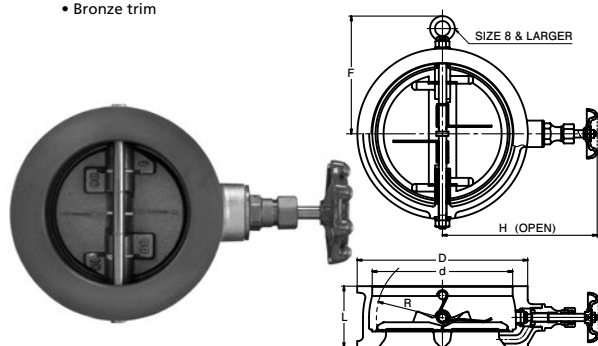
Valve Size	NPS DN	2	2 1/2	3	4	5	6	8	10	12	14
L Face-to-face	50	65	80	100	125	150	200	250	300	350	787
H Height (OPEN)		111	121	145	165	207	225	268	315	356	381

10K

WAFER TYPE CHECK VALVE

Fig. 10FWZ

- Bronze trim



Materials

Parts	Material	JIS Spec.
Body	Cast Iron	FC250+NBR
Pin	Stainless Steel	304SS
Disc	Bronze	CAC406
Nut 6 to 18	Stainless Steel	304SS
Plug 1 1/2 to 5	Carbon Steel	S45CH

Bypass Valve

Parts	Material	JIS Spec.
Bonnet 1 1/2 to 5	Brass	C3771
6 to 18	Bronze	CAC406
Stem	Brass	C3531
Disc	Brass	C3531
Body seat ring	Brass	C3531
Grand packing	Asbestos-free	

Design Specifications

Items	
Shell wall thickness and general valve design	KITZ Standard
Face-to-face dimensions, end-to-end dimensions	KITZ Standard
End flange dimensions, gasket contact facing	Wafer Type (JIS 10K)

80°C Non-shock water: 1.4 MPa

80°C Water, oil, air: 1.0 MPa

Dimensions

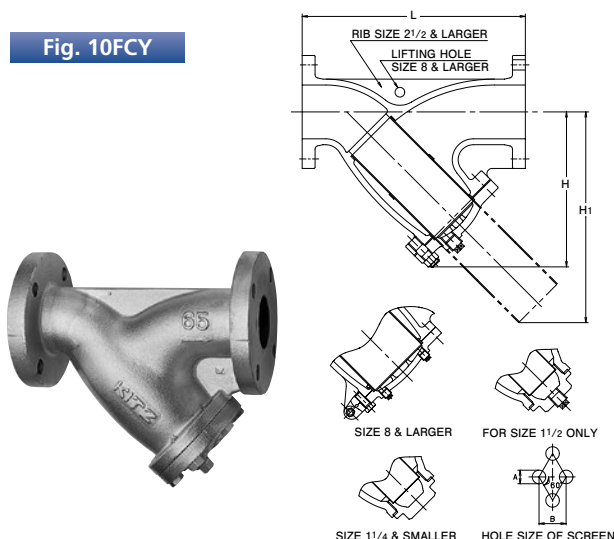
Valve Size	B	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18
	A	40	50	65	80	100	125	150	200	250	300	350	400	450
L		54	56	56	59	66	72	78	96	109	145	184	191	204
H Height (OPEN)		128	143	150	156	169	183	216	243	290	315	330	355	388
F		—	—	—	—	—	—	—	187	229	254	272	301	338
D		86	101	121	131	156	187	217	267	330	375	420	483	538
d		54	63	77	90	116	143	169	220	273	324	356	406	457
R		26	33	37	44	55	67	78	105	129	155	170	195	220

10K

Y-PATTERN STRAINER

Bolted cover, Y-pattern body, Punched stainless steel plate screen.

Fig. 10FCY



Materials

Parts	Material	JIS Spec.
Body	Cast Iron	FC200
Cap 3/8 to 1 1/2	Forged Brass	C3771
Cover 2 & larger	Cast Iron	FC200
Screen	Stainless Steel	304SS
Gasket	Non-Asbestos Sheet Gasket	
Cover bolt/nut	Carbon Steel	
Plug	Stainless Steel	304SS

Screen dimensions

Valve Size	A	B
3/8 to 2	1.4ø	2.4mm
2 1/2 to 5	1.5ø	2.5mm
6 & 8	3.0ø	5.0mm
10 to 14	5.0ø	7.0mm

120°C Non-shock water: 1.4 MPa

120°C Water, oil, air: 1.4 MPa

120°C Gas: 0.2 MPa, Saturated steam: 0.7 MPa

Strainer dimensions

Valve Size	B	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14
	A	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
L Face-to-face		115	125	140	150	170	190	230	305	360	415	465	515	580	680	800	950
H Height		46	57	63	77	90	100	138	208	237	280	325	370	457	536	625	741
H1		64	82	91	114	134	146	173	289	335	388	446	497	643	768	893	1047