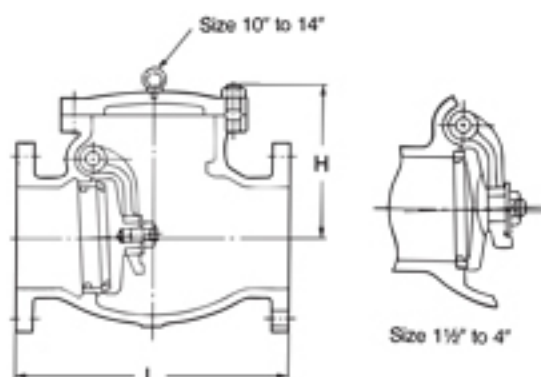


**Fig. 10FCO (Bronze trim)**  
**Fig. 10FCOS (13 Cr. trim)**



**Class JIS 10K**

**Bolted cover, swing type disc.**



**Dimensions**

Valve size	mm inch	40	50	65	80	100	125	150	200	250	300	350
		1 1/2	2	2 1/2	3	4	5	6	8	10	12	14
L Face-to face		190	200	220	240	290	360	410	500	620	700	787
H Height (OPEN)		106	111	121	145	165	207	225	268	315	356	381

120 °C Non-shock water	.....	1.37 MPa (14 kgf/cm <sup>2</sup> )
120 °C Water, oil, air	.....	0.98 MPa (10 kgf/cm <sup>2</sup> )
120 °C Gas	.....	0.69 MPa (7 kgf/cm <sup>2</sup> )
Saturated steam	.....	0.69 MPa (7 kgf/cm <sup>2</sup> )
Hydrostatic shell test	.....	2.06 MPa (21 kgf/cm <sup>2</sup> )
Size 10" to 14"	for 1.86 MPa (19 kgf/cm <sup>2</sup> )	
Hydrostatic seat test	.....	1.51-0.50 MPa (15.4-5.1 kgf/cm <sup>2</sup> )
Size 10" to 14"	for 1.08-0.35 MPa (11-3.6 kgf/cm <sup>2</sup> )	
Pneumatic seat test	.....	0.59 MPa (6 kgf/cm <sup>2</sup> )

**Materials**

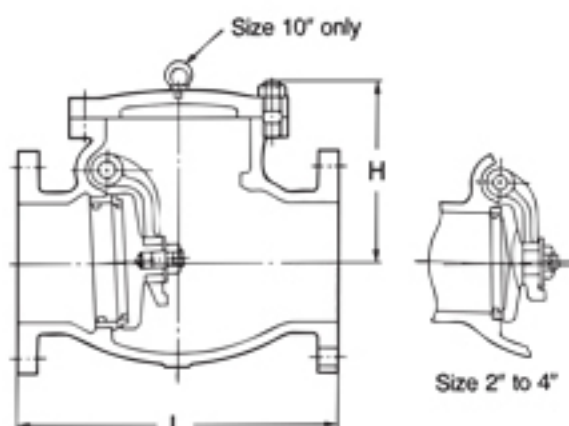
Parts	JIS materials	
	10FCO	10FCOS
Body	FC200	
Cover	FC200	
Disc	Size 1 1/2" to 4"	BC6
	Size 5" to 14"	SUS403
Seat ring	Size 2" to 4"	BC6
	Size 1 1/2" to 14"	SCS1
		SUS403
Disc nut	SS400	
Hinge pin	C3771BD	SUS403
Plug	SS400	
Gasket	Asbestos-free	
Cover bolt/nut	SS400	
Arm	BC6	SCS13A
Eye bolt (Size 10" to 14")	SS400	

**Fig. 125FCO (Bronze trim)**  
**Fig. 125FCOS (13 Cr. trim)**



**Class 125**

200 psi.	Water, oil, Gas	65 °C
125 psi.	Saturated steam	
350 psi.	Hydrostatic shell test	
220 psi.	Hydrostatic seat test	
80 psi.	Pneumatic seat test	



**Dimensions**

Valve size	mm inch	50	65	80	100	125	150	200	250
		2	2 1/2	3	4	5	6	8	10
L Face-to face		203	216	241	292	330	356	495	622
H Height		111	121	145	165	207	225	268	315

eg

**Bolted cover, swing type disc.**

**Materials**

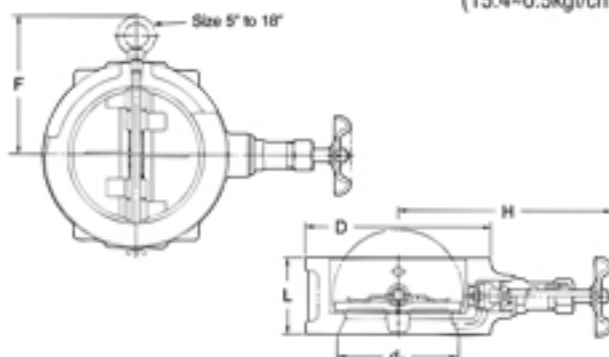
Parts	JIS materials	
	125FCO	125FCOS
Body	A126 Class B	
Cover	A126 Class B	
Disc	Size 2" to 4"	B62
	Size 5" to 10"	F6a
Disc nut	Carbon steel	
Seat ring	Size 2" to 4"	B62
	Size 5" to 10"	CA-15
		F60
Hinge pin	No.C37700	Type 403
Arm	B62	CF8
Gasket	Asbestos-free	
Cover bolt/nut	Carbon steel	
Eye bolt (Size 10" only)	Carbon steel	
Flanged ends	ASME B16.1	
F-F dimension	ASME B16.10	
Wall thickness	KITZ Std.	

**Fig. 10FW (Bronze trim)**



**Class JIS 10K**

80 °C Non-shock water	.....	1.37 MPa (14 kgf/cm <sup>2</sup> )
80 °C water, oil, air	.....	0.98 MPa (10 kgf/cm <sup>2</sup> )
Hydrostatic shell test	.....	2.06 MPa (21 kgf/cm <sup>2</sup> )
Hydrostatic seat test	.....	15.1-0.05 MPa (15.4-0.5 kgf/cm <sup>2</sup> )



**Dimensions**

Valve size	mm inch	50	65	80	100	125	150	200	250	300	350	400	450
		2	2 1/2	3	4	5	6	8	10	12	14	16	18
L		54	54	57	64	70	76	95	108	144	184	191	203
H Height (OPEN)		160	166	172	185	198	240	266	292	317	337	365	391
F		-	-	-	-	135	150	177	216	240	284	314	352
D		101	121	131	156	187	217	267	330	375	420	483	538
d1		51	64	77	102	127	153	204	254	305	356	407	458
d2		65	77	90	115	141	167	218	270	321	359	410	460
R		31	37	43	55	66	78	104	129	155	176	201	225

**Materials**

Parts	JIS materials
Body	FC200+NBR
Disc	BC6
Disc washer	SS400
Body washer	Size 2" to 12"
	Size 14" to 18"
Plug	SWCH10R
Spring	SUS304
Eye bolt (Size 5" to 18")	S25C

**Bypass valve**

Bonnet	FCMB340
Stem	SUS403
Disc	Reinforced PTFE
Disc washer (Size 6" to 18")	SS400
Disc holder	SUS403
Body seat ring	SUS403
Gasket	C1100P
Gland packing	Asbestos-free
Handwheel	FCMB270

Flanged ends	JIS 10K water
F-F dimension	KITZ Std.
Wall thickness	JIS B2031