

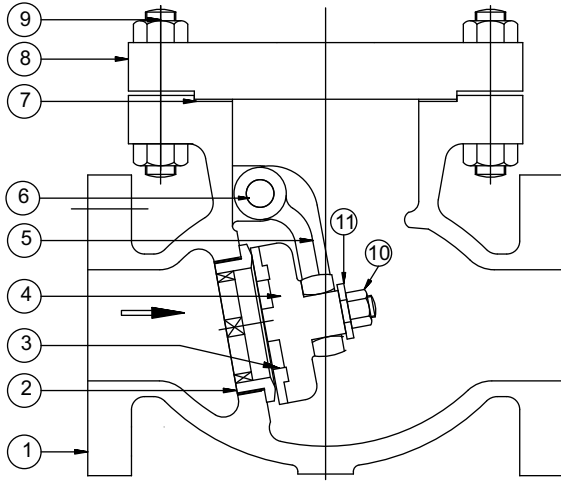
CAST IRON SWING CHECK VALVES- EN-12334

PN 10, PN 16, CLASS 125

SPECIFICATIONS

BOLTED COVER, FLANGES AS PER ANSI B16.1 CLASS 125 OR BS 4504 PN10 PN16-AS APPLICABLE

PRESSURE-TEMPERATURE RATINGS



STANDARD MATERIAL COMBINATION

P. No.	QTY.	DESCRIPTION	MATERIALS	
			Cu-ALLOY TRIM	S.S. TRIM
1	1	BODY	C.I TO EN 1561 Gr. GJL200	C.I TO EN 1561 Gr. GJL200
2	1	BODY SEAT RING	G.M. TO EN 1982 Gr. CCS91K	S.S TO BS 970 Gr. 410 S21/ ASTM A182 F6a OR THEIR Eq.
3	1	DISC FACING RING	G.M. TO EN 1982 Gr. Cc491K	S.S TO BS 970 Gr. 410 S21/ ASTM A182 F6a OR THEIR Eq.
4	1	DISC	C.I TO EN 1561 Gr. GJL200	C.I TO EN 1561 Gr. GJL200
5	1	HINGE	C.I TO EN 1561 Gr. GJL200 OR C.S TO ASTM A216Gr. WCB	C.I TO EN 1561 Gr. GJL200 OR C.S TO ASTM A216Gr. WCB
6	1	HINGE PIN	BRASS TO DIN EN 12165 : 98 CW721R	S.S TO BS 970 Gr. 410 S21/ ASTM A182 F6a OR THEIR Eq.
7	1	GASKET	SUITABLE FOR THE DUTY	SUITABLE FOR THE DUTY
8	1	COVER	C.I TO EN 1561 Gr. GJL200	C.I TO EN 1561 Gr. GJL200
9	1	STUDS & NUTS	CARBON STEEL TO BS 916	CARBON STEEL TO BS 916
10	1	NUT	CARBON STEEL TO BS 916	CARBON STEEL TO BS 916
11	1	WASHER	BRASS TO DIN EN 12165 : 98 CW 721R	S.S TO BS 970 Gr. 410 S21/ ASTM A182 F6a OR THEIR Eq.
12	1	SIDE PLUG	G.M TO EN 1982 Gr. CC491K	S.S TO BS 970 Gr. 410 S21/ ASTM A182 F6a OR THEIR Eq.

PRESSURE / TEMPERATURE RATINGS TO BS 5153

NOMINAL PRESSURE	MAX. PERMISSIBLE GAUGE WORKING PRESSURE °C				
	-10 TO 120 °C	150 °C	180 °C	200 °C	220 °C
PN 10	10 bar	9.2 bar	8.5 bar	8.0 bar	8.0 bar
PN 16	16 bar	14.8 bar	13.9 bar	13.0 bar	13.0 bar

CLASS RATING	SIZES	MAX. PERMISSIBLE GAUGE WORKING PRESSURE °C										
		-10 TO 66	93	107	121	135	149	163	177	191	204	218
CLASS 125	≤12"	13.8 bar	13.1 bar	12.4 bar	12.1 bar	11.7 bar	11.4 bar	10.7 bar	10.3 bar	10.0 bar	9.7 bar	9.0 bar
	> 12" ≤ 18"	10.3 bar	9.3 bar	9.0 bar	8.6 bar	8.3 bar	7.6 bar	7.2 bar	6.9 bar	-	-	-

NOTE: The above data is subject to change without notice due to our continuing product improvement program.

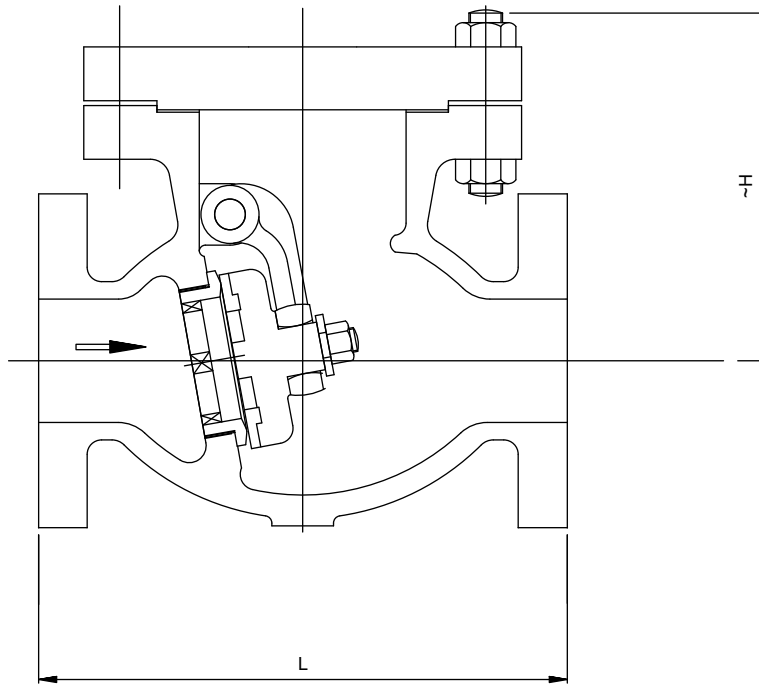


FIG. NO.:CI017/CI018

CATALOGUE FIG. NOS.

ITEM	SIZES	FIG. NO.	END DETAILS
CAST IRON SWING CHECK VALVES-CLASS 125 (Cu-ALLOY TRIM)	≤12"	CI-017 FF	FLANGED ENDS TO ANSI B 16.1 CLASS 125 FF
CAST IRON SWING CHECK VALVES-CLASS 125 (Cu-ALLOY TRIM)	≥12"	CI-018 FF	FLANGED ENDS TO BS 4504 PN 10 FF

DIMENSIONAL DATA

DN NPS	40 1 ½	50 2	65 2 ½	80 3	100 4	125 5	150 6	200 8	250 10	300 12	350 14	400 16	450 18
L	165	203	216	241	292	330	356	495	622	698	787	914	965
H	110	115	135	135	190	192	200	265	335	365	415	470	495
ITEM CODE NOS.	Aprox. Wt. ^												
	CLASS 125 Cu-ALLOY TRIM	CI 017 I	CI 017 J	CI 017 K	CI 017 L	CI 017 N	CI 017 O	CI 017 P	CI 017 R	CI 017 S	CI 017 T	CI 017 U	CI 017 V
ITEM CODE NOS.	Aprox. Wt. ^												
	CLASS 10 Cu-ALLOY TRIM	CI 018 I	CI 018 J	CI 018 K	CI 018 L	CI 018 N	CI 018 O	CI 018 P	CI 018 R	CI 018 S	CI 018 T	CI 018 U	CI 018 V

TEST PRESSURES

NOMINAL PRESSURE ACCORDING TO PN OR CLASS DESIGNATION	SIZES	SHELL TEST (HYDROSTATIC)	SEAT TEST (HYDROSTATIC)	STANDARD NO.
PN 10	≥12"	15 bar	10 bar	BS 6755 PART-1
PN 16	≤12"	24 bar	16 bar	
CLASS 125	≤12"	24.1 bar	13.8 bar	
	>12" ≤18"	18.3 bar	10.3 bar	

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(^WEIGHT GIVEN IN KGS)