

# Fig. M651, 651E, 651ANSI Cast Iron - Swing Pattern



## FEATURES & BENEFITS

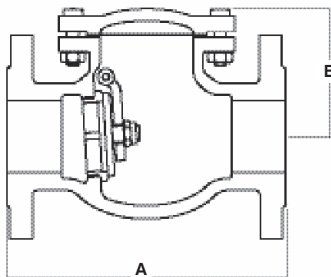
- Suitable for velocities of up to 3 metres/second
- Ideal for water or other liquids
- Bolted cover
- Suitable for mounting in horizontal and vertical pipelines



## MATERIAL SPECIFICATION

Component	Material	Specification	
		BS EN	ASTM
Cover	Cast Iron	1561 EN JLI040	A126 Cl B
Cover Gasket	Reinforced Compressed Graphite	-	-
Hinge Pin	Brass	12164 CW603N	B16-C36000
Hinge Pin Plug	Brass	12164 CW603N	B16-C36000
Hinge	Ductile Iron	1563 EN-JS1040	A536 70-50-05
Disc	Cast Iron	1561 EN JLI040	A126 Cl B
Disc Face Ring	Bronze	1982 CC491K	B62-C83600
Body Seat Ring	Bronze	1982 CC491K	B62-C83600
Body	Cast Iron	1561 EN JLI040	A126 Cl B

## DIMENSIONAL DRAWING



## DIMENSIONS & WEIGHTS

Nom Size	mm	50	65	80	100	125	150	200	250	300
A	mm	203	216	241	292	330	356	495	622	699
B	mm	113	133	143	163	197	212	257	298	330
Weight	kg	13	18	21	35	48	68	113	218	282

## PRESSURE/TEMPERATURE RATING

BS EN 1092-2 PN16  
16 bar from -10 to 120°C  
11.8 bar at 230°C

## TEST PRESSURES

Shell: 24 bar (hydraulic)  
Seat: 17.6 bar (hydraulic)

## SPECIFICATION

BS EN 12334:2001.  
Face to Face dimensions to BS EN 558-1 basic series 10.  
Cast iron body.  
Bolted cover.  
Bronze trim.  
Suitable for mounting in horizontal and vertical pipes (with the flow upwards).  
M651, flanged to BS EN 1092-2 PN16.  
651E, flanges drilled to BS 10 available.  
651ANSI, flanges drilled to ANSI B16.1 125.

