

## Fig. M653 Cast Iron with Lever and Weight

### FEATURES AND BENEFITS

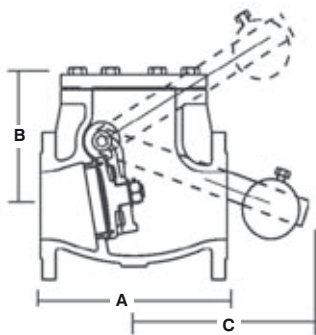
- Lever and weight offers the ability to alter the flow resistance
- Bolted cover
- Suitable for mounting in horizontal and vertical pipelines
- Flanged to BS EN 1092-2



### MATERIAL SPECIFICATION

Component	Material	Specification	
		BS EN	ASTM
Cover	Cast Iron	1561 EN-JL1030	A126 CI B
Cover Gasket	Asbestos Free		
Hinge Pin Plug	Stainless Steel	10270 X10CrNr18-8	A276-304
Hinge	Ductile Iron	1561 EN JS1050	
Gland Packing	Asbestos Free		
Disc	Cast Iron	1561 EN-JL1030	A126 CI B
Disc Face Ring	Bronze		
Body Ring	Bronze		
Body	Cast Iron	1561 EN-JL1030	A126 CI B
Counter Weight	Cast Iron	1561 EN-JL1030	A126 CI B
Operating Shaft	Stainless Steel	10088-1 X2 CrNiNo17-12-2	A276-316L
Operating Lever	Stainless Steel	10270 X10CrNr18-8	A276-304
Spring	Stainless Steel	10270 X10CrNr18-8	A276-304

### DIMENSIONAL DRAWINGS



### DIMENSIONS AND 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	121	135	141	168	182	215	267	305	343
C	mm	200	200	215	250	300	290	580	730	720
Weight	kg	21	27	33	45	66	86	152	244	320

### PRESSURE/ TEMPERATURE RATING

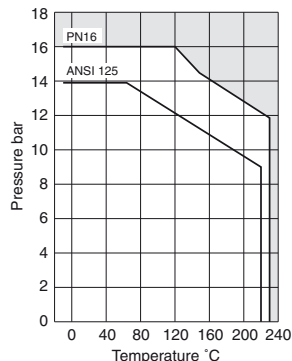
BS EN 12334:2001 PN16  
16 bar from -10 to 120°C  
BS 5153 ANSI  
11.8 bar at 230°C  
9 bar at 218°C  
13.8 bar from -10 to 66°C

### TEST PRESSURES

**PN16**  
Shell: 24 bar  
Seat: 17.6 bar  
**Class 125**  
Shell: 24.1 bar  
Seat: 13.8 bar

### SPECIFICATION

Flanged to BS EN 1092-2 PN16 and bolted cover  
Outside lever and adjustable weight.  
If valve fig number M653 is to be used in a vertical pipeline this must meet ANSI B16.1 Class 125. Copper alloy trim.  
Suitable for mounting in horizontal and vertical pipelines (with vertical flow upwards).  
BS EN 12334:2001 PN16.  
be stated on order so that the lever and weight assembly can be positioned accordingly.



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