

CAST STEEL GLOBE pg 1 of 3

Class 150, 300 and 600



MATERIAL SPECIFICATION

COMPONENT	CARBON STEEL	STAINLESS STEEL
BODY	ASTM A216 WCB†	ASTM A351 CF8M
BONNET	ASTM A216 WCB†	ASTM A351 CF8M
BONNET & GLAND STUDS	ASTM A193-B7	ASTM A193B8 c12
STUD NUTS	ASTM A194-2H	ASTM A194 8
STEM	ASTM A276-410	ASTM A276-316
DISK	Stellite faced ASTM A216 WCB	Stellite faced ASTM A351-CF8M
BODY SEAT RING	Stellite faced ASTM A216 WCB	Stellite faced ASTM A351-CF8M
BACK SEAT BUSH	ASTM A276-410	ASTM A276-316
BELLOWS	Type 321 s/s	Type 321 s/s
BELLOWS FLANGE	BS970-070 M20	ASTM A276-316
GLAND FLOWER	Nickel flashed BS970-070 M20	ASTM A276-316
GLAND FLANGE	BS970-070 M20	ASTM A276-316
YOKE SLEEVE	BS3468-GrNiCr202	BS3468-GrNiCr202
YOKE SLEEVE RET NUT	BS970-070 M20	BS970-070 M20

- APPLICATIONS

- For hot and cold water, non aggressive and non-pollutant steam and liquids

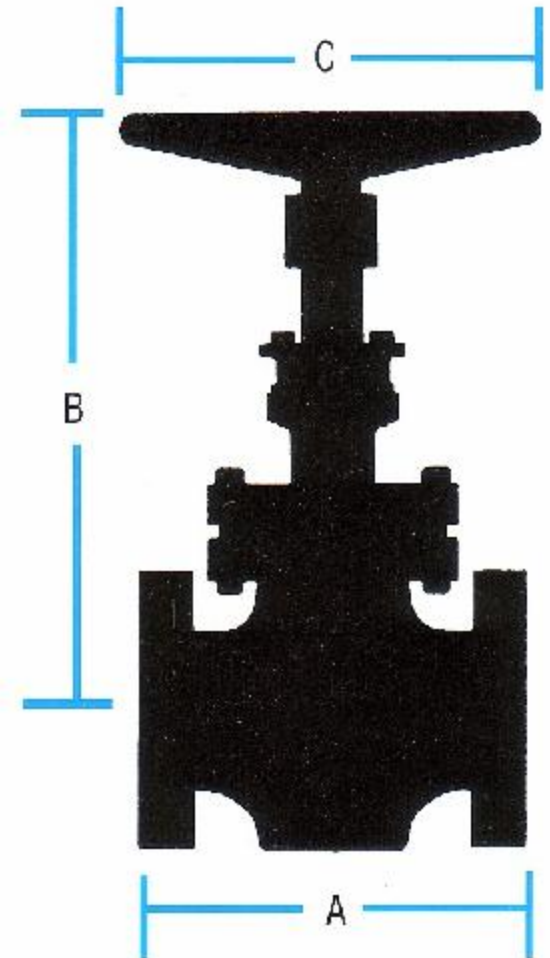
- RANGE

- 2" – 10" class 150 and 300
- 3" – 6" class 600

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DIMENSIONS

NOMINAL SIZE		ins	2	3	4	6	8	10
A	150	Ins mm	8 203.	9 ½ 241.	11 ½ 292.	16 406.	19 ½ 495.	24 ½ 622
	300	Ins mm	10 ½ 267	12 ½ 318	14 356	17 ½ 444	22 559	24 ½ 622
	600	Ins mm	- -	14 356	17 432	22 559	- -	- -
B (open)	150	Ins mm	17 ¾ 451	19 483	22 ½ 571	32 813	39 990	52 1321
	300	Ins mm	17 ¾ 451	19 ½ 495	22 ½ 571	38 965	16 ½ 1181	52 1321
	600	Ins mm	- -	20 ½ 521	45 ½ 1155	43 ½ 1105	- -	- -
B (closed)	150	Ins mm	17 432	18 457	22 559	32 813	39 990	52 1321
	300	Ins mm	17 432	19 483	22 559	38 965	46 ½ 1181	52 1321
	600	Ins mm	- -	20 508	45 ½ 1155	43 ½ 1105	- -	- -
C dia of wheel	150	Ins mm	10 254	10 254	14 356	18 457	24 610	18 457
	300	Ins mm	10 254	14 356	16 406	24 610	24 610	18 457
	600	Ins mm	- -	16 406	24 610	24 610	- -	- -



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WEIGHT AND PRESSURE

NOMINAL SIZE		ins	2	3	4	6	8	10
Weight flanged	150	Lbs	82	92	123	275	495	950
		kg	37	42	56	125	225	432
	300	Lbs	84	132	220	411	650	1100
		kg	38	60	100	187	295	500
	600	Lbs	-	108	220	825	-	-
		kg	-	90	145	375	-	-
CV IGPM CV USGPM			40	100	160	330	610	113
			48	120	190	390	730	1336
Max. pressure for opening of shutting non-gearred valve. Based on max. handwheel effort of 112lb (500N)								
	150	PSI	285	285	285	285	250	25
		Bar	19.6	19.6	19.6	19.6	17.2	1.7
	300	PSI	740	740	555	400	250	25
		Bar	51.0	51.0	38.2	27.5	17.2	1.7
	600	PSI	1480	800	700	350	-	-
		Bar	102	55.1	48.2	24.1	-	-