

500

Gate Valve

PN16 Cast Iron Gate Valve  
Outside screw, Rising stem

16 bar at 120°C, 12.8 bar at 200°C, P-T rating : See page 02

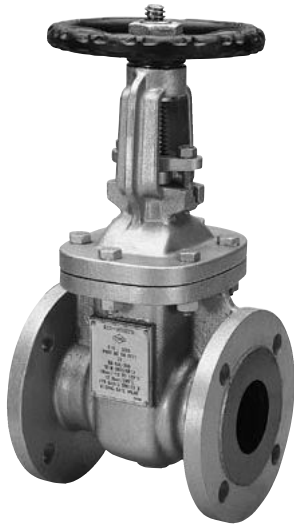
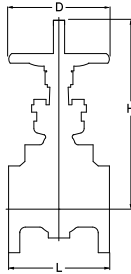


Fig. 500

Materials

Parts	Material	Specifications		
		Trim B/CR13 (500B)	Trim CR13/CR13 (500S)	Trim 316/316 (500M)
Body	Cast Iron	EN-GJL-200		
Bonnet	Cast Iron	EN-GJL-200		
Stem	Stainless Steel	ASTM A276 Type420		ASTM A276 Type316
Disc	Cast Iron	EN-GJL-200		
Disc seat ring	Cast Bronze/Stainless Steel	ASTM B62	ASTM A182 Gr.F6a	ASTM A182 Gr.F316
Body seat ring	Cast Bronze/Stainless Steel	ASTM B62	Carbon Steel + 13CR	Carbon Steel + 316
Gland		Ductile Iron		
Grand packing		Graphite		
Gasket		Graphite		
Gland bolt/ nut		Carbon Steel		
Bonnet bolt/nut		Carbon Steel		
Yoke sleeve		Forged Brass / Cast Brass*1		
Hand wheel		Ductile Iron		

\*1 Size DN250 & DN300



Dimensions	inch mm	Unit: mm								
		2	2 1/2	3	4	5	6	8	10	12
L		178	190	203	229	254	267	292	330	356
H(Open)		360	416	458	561	669	747	964	1165	1374
D		180	180	180	200	250	280	300	360	400

Design Specifications

Face-to-face or End-to-end dimensions	BS EN 558 Basic series 3
End connection	BS EN 1092-2 PN16
Wall thickness	Maker's standard

501, 5011

Gate Valve

PN16 Cast Iron Gate Valve  
Inside screw, Non-rising stem with Indicator\*2

16 bar at 120°C, 12.8 bar at 200°C, P-T rating : See page 02

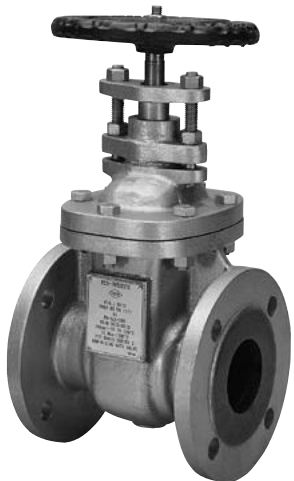
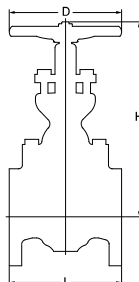


Fig. 501/5011

Materials

Parts	Material	Specifications		
		Trim B/CR13 (501(I)B)	Trim CR13/CR13 (501(I)S)	Trim 316/316 (501(I)M)
Body	Cast Iron	EN-GJL-200		
Bonnet	Cast Iron	EN-GJL-200		
Stem	Stainless Steel	ASTM A276 Type420		ASTM A276 Type316
Disc	Cast Iron	EN-GJL-200		
Disc seat ring	Cast Bronze/Stainless Steel	ASTM B62	ASTM A182 Gr.F6a	ASTM A182 Gr.F316
Body seat ring	Cast Bronze/Stainless Steel	ASTM B62	Carbon Steel + 13CR	Carbon Steel + 316
Gland		Ductile Iron		
Grand packing		Graphite		
Gasket		Graphite		
Gland bolt/ nut		Carbon Steel		
Bonnet bolt/nut		Carbon Steel		
Hand wheel		Ductile Iron		

\*2 Indicator: 5011 only



Dimensions	inch mm	Unit: mm								
		2	2 1/2	3	4	5	6	8	10	12
L		178	190	203	229	254	267	292	330	356
H		278	311	339	393	454	501	592	730	852
D		180	180	180	200	250	280	300	360	400

Design Specifications

Face-to-face or End-to-end dimensions	BS EN 558 Basic series 3
End connection	BS EN 1092-2 PN16
Wall thickness	Maker's standard

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## P-T Rating

Service Temperature (°C)	Bronze valves		Cast iron valves
	PN16	PN25	PN16
-10 to 66	16.0	25.0	16.0
100			
120	13.5	21.8	
150	9.5	16.5	14.4
170	7.0	12.8	13.7
180	-	11.3	13.4
186	-	10.5	13.2
198	-	-	12.9
200	-	-	12.8