

Ductile Iron Gate Valve (PN16)

OS&Y • Solid Wedge • Bronze Trim • Flanged Ends • Epoxy Coated
16 Bar from -10°C to 120°C
12.8 Bar at 200°C

Standards	Valve	Face to Face	Flanges	Testing
BS EN	1171	558-1 Series 3	1092-2 PN16	12266-1
BS	5150, 5151	2080	4504-3.2 PN16	6755-1

MATERIAL LIST

PART	MATERIAL	SPECIFICATION(BSEN)
1. Body	Ductile Iron	1563 EN-GJS-400-15
2. Seat Ring	Bronze	1982 CC491K
3. Wedge Ring	Bronze	1982 CC491K
4. Wedge	Ductile Iron	1563 EN-GJS-400-15
5. Stem	Stainless Steel	10088-1 X20Cr13
6. Bonnet Gasket	Graphite + Steel	--
7. Bonnet	Ductile Iron	1563 EN-GJS-400-15
8. Packing	Graphite	--
9. Gland Flange	Ductile Iron	1563 EN-GJS-400-15
10. Stem Nut	Brass	--
11. Washer	Bronze	1982 CC491K
12. Handwheel	Ductile Iron	1563 EN-GJS-400-15
13. Handwheel Nut	Bronze	1982 CC491K
14. Screw	Stainless Steel	10088-1 X5CrNi18-10
15. Nut	Stainless Steel	10088-1
16. Washer	Stainless Steel	X12CrMnNiN17-7-5
17. Bolt	Stainless Steel	10088-1 X5CrNi18-10
18. Bolt	Stainless Steel	10088-1 X5CrNi18-10
19. Washer	Stainless Steel	10088-1 X5CrNi18-10
20. Nut	Stainless Steel	10088-1
21. Stem Nut	Bronze	1982 CC491K
22. Support	Ductile Iron	1563 EN-GJS-400-15
23. Drain Plug	Stainless Steel	10088-1 X5CrNi18-10

Pressure Testing

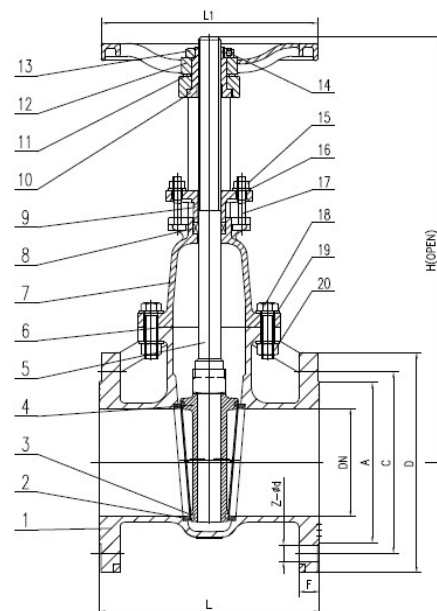
Shell	24 Bar
Seat	17.6 Bar

DIMENSIONS (mm)

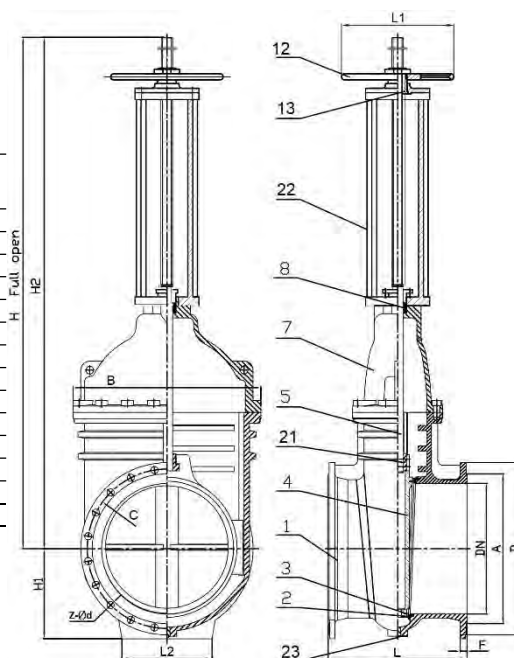
Nominal Size Inch (mm)	DN	A	C	D	L	L1	H	Z-Ød	F	W.t (kg)
2" (50)	50	99	125	165	178	160	253	4-Ø19	19	11.8
2 1/2" (65)	65	118	145	185	190	160	295	4-Ø19	19	14.8
3" (80)	80	132	160	200	203	200	356	8-Ø19	19	18.9
4" (100)	100	156	180	220	229	200	411	8-Ø19	19	27.8
5" (125)	125	184	210	250	254	250	489	8-Ø19	19	36.2
6" (150)	150	211	240	285	267	250	563	8-Ø23	19	49.0
8" (200)	200	266	295	340	292	280	704	12-Ø23	20	62.5
10" (250)	250	319	355	405	330	370	865	12-Ø28	22	97.0
12" (300)	300	370	410	460	356	370	995	12-Ø28	24.5	123.0
14" (350)	350	429	470	520	381	640	1717	16-Ø28	26.5	310
16" (400)	400	480	525	580	406	640	1888	16-Ø31	28	360
18" (450)	450	548	585	640	432	720	1981	20-Ø31	30	464
20" (500)	500	609	650	715	457	720	2235	20-Ø34	31.5	550
24" (600)	600	720	770	840	508	720	2610	20-Ø37	36	790

Nominal Size Inch (mm)	B	L2	H1	H2
14" (350)	546	270	270	1286
16" (400)	606	300	300	1387
18" (450)	680	330	330	1505
20" (500)	730	370	370	1644
24" (600)	850	430	430	1930

NPF620EP



2"~12"



14"~24"