

BODY MARK
WA
2
300
WCB

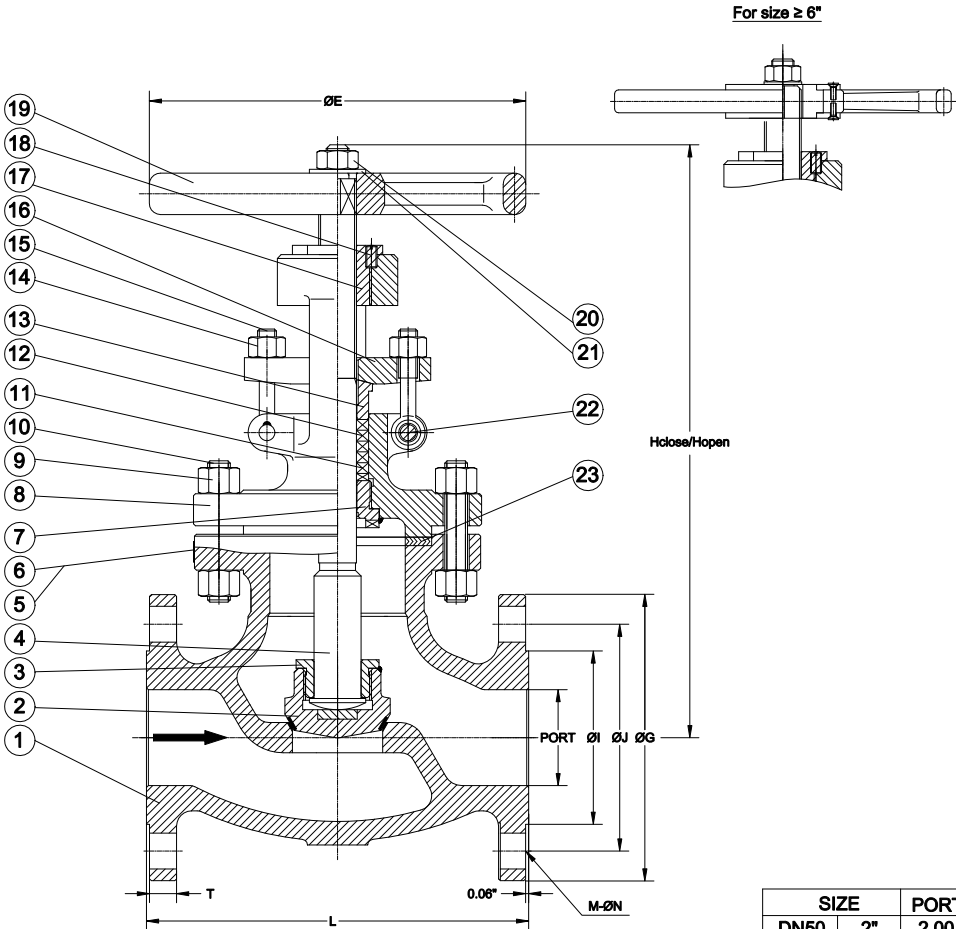
TEST PRESSURE:
Test inspection Per API 598
Shell(by Water):1125Psig
Seat(by Water):820Psig
(by Air):80Psig

APPLICABLE STANDARDS:
Shell Wall Thickness:ASME B16.34
Face to Face:ASME B16.10
End Flanges:ASME B16.5

Fig No.:WARREN-2305C-8

MATERIALS LIST

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A216 Gr. WCB+STL 6#
2	DISC	ASTM A105+13Cr
3	DISC NUT	ASTM A182 Gr. F6A CL2
4	STEM	ASTM A182 Gr. F6A CL3
5	NAMEPLATE	ASTM A666 Gr. 304
6	RIVET	ASTM A666 Gr. 304
7	BACK SEAT RING	ASTM A182 Gr. F6A CL3
8	BONNET	ASTM A216 Gr. WCB
9	BONNET NUT	ASTM A194 Gr. 2H (HEAVY)
10	BONNET BOLT	ASTM A193 Gr. B7
11	PACKING	BRAIDED GRAPHITE (Cup and Cone Design)
12	PACKING	FLEXIBLE GRAPHITE (Cup and Cone Design)
13	GLAND	ASTM A182 Gr. F6A CL2
14	EYE BOLT NUT	ASTM A194 Gr. 2H (HEAVY)
15	EYE BOLT	ASTM A193 Gr. B7
16	GLAND FLANGE	ASTM A216 Gr. WCB(2"ASTM A105)
17	STEM NUT	ASTM A439 Gr. D-2
18	SCREW	ASTM A29 Gr. 1035
19	HANDWHEEL	NODULAR CAST IRON (AWS 60-40-18)
20	HANDWHEEL NUT	ASTM A29 Gr. 1035
21	WASHER	ASTM A29 Gr. 1035
22	EYE BOLT PIN	ASTM A29 Gr. 1035
23	GASKET	GRAPHITE+304 (SPIRAL WOUNDED)



DIMENSIONS

unit:inch															
SIZE	PORT	L	ØE	Hclose	Hopen	ØG	ØJ	ØI	T	M	ØN	Weight(lbs)	Cv's(GPM)	Torque(lbf-in)	
DN50	2"	2.00	10.50	7.87	11.62	12.33	6.50	5.00	3.62	0.81	8	0.75	61.56	45.1	309.8
DN80	3"	3.00	12.50	9.84	14.13	15.28	8.25	6.62	5.00	1.06	8	0.875	113.19	115.4	752.3
DN100	4"	4.00	14.00	11.81	16.85	18.03	10.00	7.88	6.19	1.19	8	0.875	170.78	180.3	1416
DN150	6"	6.00	17.50	15.75	21.61	24.37	12.50	10.62	8.50	1.38	12	0.875	277.3	405.8	3318.8



	APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWINGNO.		MATERIAL		UNIT	DESCRIPTION	
SIGN	DXF	LB	NJJ	WARREN-2305C-8		MATERIALS LIST		inch	OKWA	CARBON STEEL GLOBE VALVES
DATE	02/10/2023	02/10/2023	02/10/2023	REVISION	04	SCALE	FREE			FLANGED END, ASME CLASS 300