

BODY MARK  
 Front:1/4"-2"-800LB  
 A105N  
 Back:WARREN

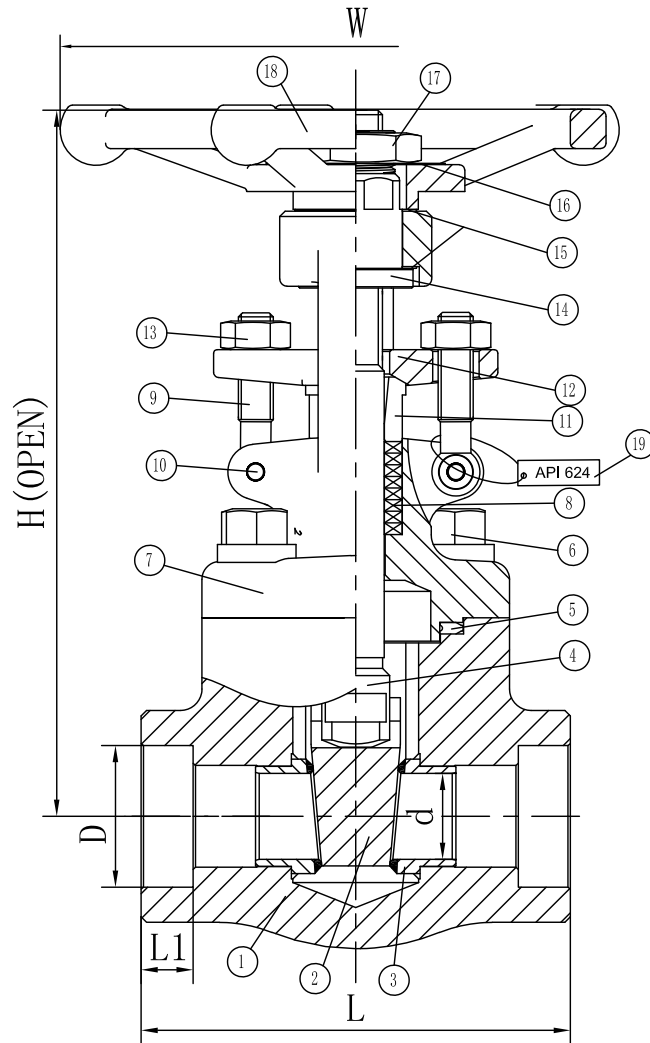
TEST PRESSURE:  
 Test inspection Per API 598  
 Shell(by Water):2975 Psig  
 Backseat(by Water):2175 Psig  
 Low-Pressure Closure(by Air):80 Psig

APPLICABLE STANDARDS  
 BASIC DESIGN: API 602&ASME B16.34  
 SOCKET WELDING DIMENSION : ASME B16.11  
 TEST AND INSPECTION : API 598  
 NACE MR-0175/NACE MR-0103  
 FUGITIVE EMISSIONS : API 624 CERTIFIED

Fig No.:WARREN-851-8-S-624

MATERIALS LIST

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A105N
2	WEDGE	ASTM A182 F6a
3	SEAT RING	ASTM A276 410+STL
4	STEM	ASTM A276 410
5	GASKET	304+GRAPHITE
6	BONNET BOLT	ASTM A193 B7M
7	BONNET	ASTM A105N
8	PACKING	Flexible Graphite With Inconel Wire (CHESTERTON 1622)
9	GLAND BOLT	ASTM A193 B8
10	GLAND BOLT PIN	ASTM A276 304
11	GLAND	ASTM A276 420
12	GLAND FLANGE	ASTM A105N
13	NUT	ASTM A194 8
14	STEM NUT	ASTM A276 410
15	WASHER	ASTM A276 410
16	NAMEPLATE	304 SS
17	HAND WHEEL NUT	ASTM A29 1020
18	HAND WHEEL	ASTM A197
19	METAL TAG	304 SS



SIZE	Dimension Unit: inch						WGT (LB)	Torque (IN-LB)	CV
	L±0.06	d±0.02	D <sup>+0.02</sup> <sub>0</sub>	L1±0.02	H±0.20	W±0.20			
1/4"	3.11	Ø0.30	Ø0.56	0.39	6.18	3.94	4.6	460.2	2.0
3/8"	3.11	Ø0.39	Ø0.69	0.39	6.18	3.94	4.6	460.2	3.5
1/2"	3.11	Ø0.51	Ø0.86	0.39	6.18	3.94	4.4	460.2	6.5
3/4"	3.62	Ø0.51	Ø1.07	0.51	6.18	3.94	4.9	460.2	11.1
1"	4.37	Ø0.71	Ø1.33	0.51	7.28	4.72	7.7	690.3	25.0
1¼"	4.72	Ø0.94	Ø1.68	0.51	8.90	6.30	12.1	747.8	45.0
1½"	4.72	Ø1.14	Ø1.92	0.51	9.49	6.30	14.1	805.3	67.0
2"	5.51	Ø1.44	Ø2.41	0.65	10.75	8.66	20.5	943.4	113.5



	APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION			
SIGN	Zhang	Zhou	Chen	WARREN-851-8-S-624	MATERIALS LIST	inch	RXWA	GATE VALVE,800LB, SW,A105N,TRIM 8#,NACE		
DATE	04/09/2021	04/09/2021	04/09/2021	REVISION	01	SCALE	FREE			