

BODY MARK  
Front:1/4"-2"-800LB  
F316L  
Back:WARREN

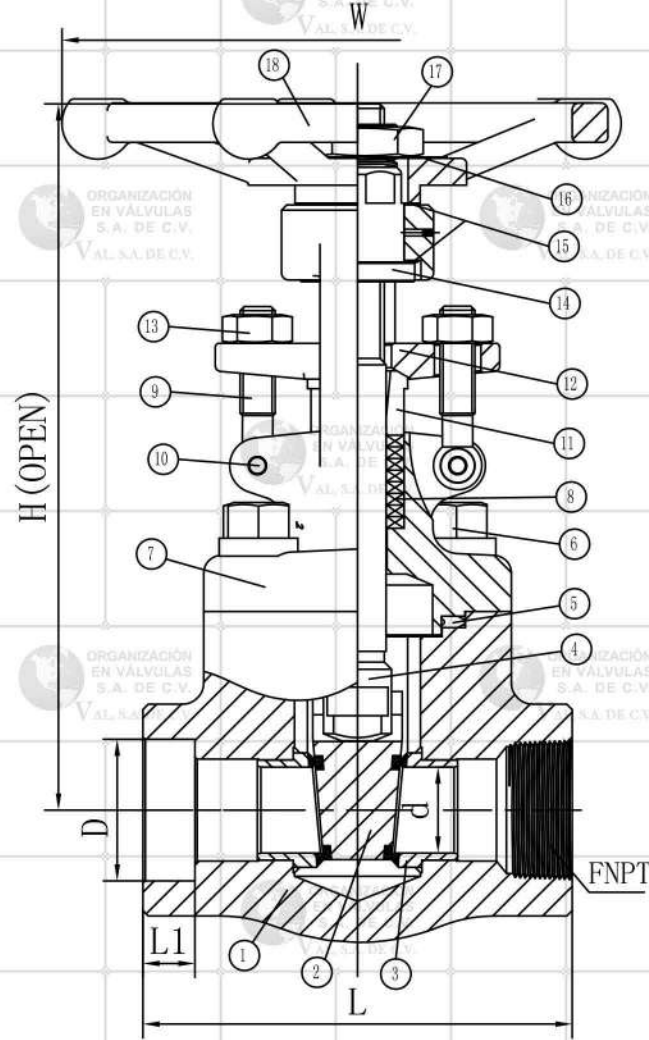
TEST PRESSURE:  
Test inspection Per API 598  
Shell(by Water):2400 Psig  
Backseat(by Water):1775 Psig  
Low-Pressure Closure(by Air):80 Psig

APPLICABLE STANDARDS  
BASIC DESIGN: API 602&ASME B16.34  
SOCKET WELDING DIMENSION : ASME B16.11  
SCREWED ENDS DIMENSION : ASME B1.20.1  
TEST AND INSPECTION : API 598  
NACE MR-0175

Fig No.:WARREN-801HF-TS

MATERIALS LIST

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A182 F316L
2	WEDGE	ASTM A276 316L+STL
3	SEAT RING	ASTM A276 316L+STL
4	STEM	ASTM A276 316L
5	GASKET	316L+GRAPHITE
6	BONNET BOLT	ASTM A193 B8MA
7	BONNET	ASTM A182 F316L
8	PACKING	GRAPHITE
9	GLAND BOLT	ASTM A193 B8MA
10	GLAND BOLT PIN	ASTM A276 316
11	GLAND	ASTM A276 316
12	GLAND FLANGE	ASTM A182 F316
13	NUT	ASTM A194 8MA
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



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	FNPT	H±0.20	W±0.20			
1/4"	3.11	Ø0.30	Ø0.56	0.39	1/4"	6.18	3.94	4.6	460.2	2.0
3/8"	3.11	Ø0.39	Ø0.69	0.39	3/8"	6.18	3.94	4.6	460.2	3.5
1/2"	3.11	Ø0.51	Ø0.86	0.39	1/2"	6.18	3.94	4.4	460.2	6.5
3/4"	3.62	Ø0.51	Ø1.07	0.51	3/4"	6.18	3.94	4.9	460.2	11.1
1"	4.37	Ø0.71	Ø1.33	0.51	1"	7.28	4.72	7.7	690.3	25.0
1 1/4"	4.72	Ø0.94	Ø1.68	0.51	1 1/4"	8.90	6.30	12.1	747.8	45.0
1 1/2"	4.72	Ø1.14	Ø1.92	0.51	1 1/2"	9.49	6.30	14.1	805.3	67.0
2"	5.51	Ø1.44	Ø2.41	0.65	2"	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-801HF-TS	MATERIALS LIST	inch	GATE VALVE,800LB, SWXFNPT,F316L,TRIM 16#,NACE
DATE	09/30/2018	09/30/2018	09/30/2018	REVISION 01	SCALE	FREE	