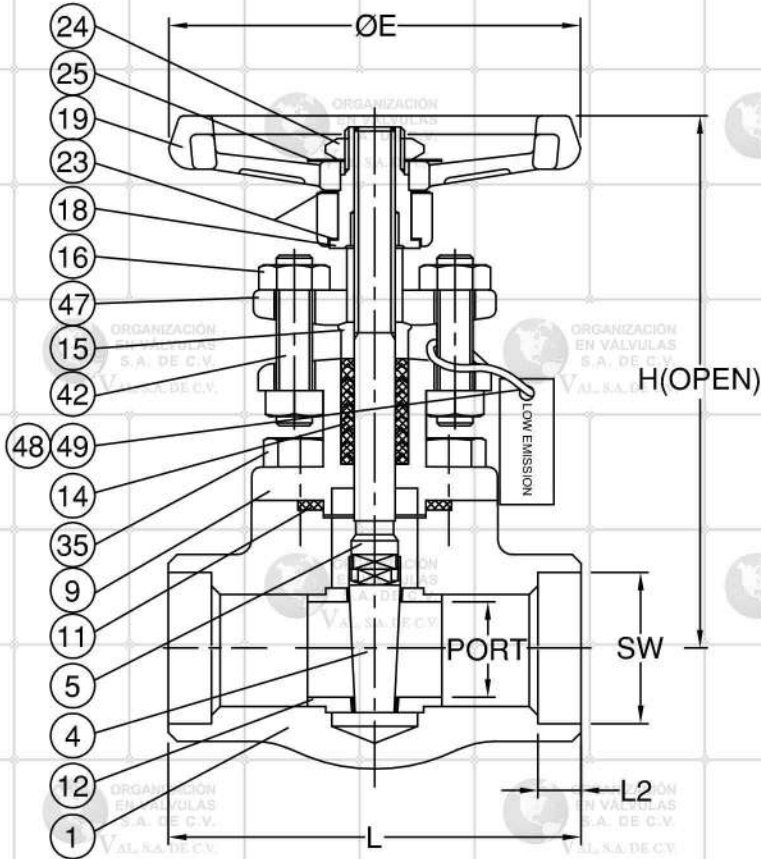


# F316L TRIM16



## Fig No: WARREN-801HF-S

### MATERIALS LIST

NO.	NAME	MATERIAL
1	BODY	ASTM A182 Gr.F316L
4	WEDGE	ASTM A182 Gr.F316L+STL#6
5	STEM	ASTM A182 Gr.F316L
9	BONNET	ASTM A182 Gr.F316L
11	BODY SEAL	SPW 316L+GRAPHITE
12	SEAT RING	ASTM A276 Gr.316L+STL#6
14	STEM PACKING	FLEXIBLE GRAPHITE
15	GLAND	ASTM A276 Gr.316L
16	GLAND NUT	ASTM A194 Gr.8MA
18	YOKE SLEEVE	ASTM A276 Gr.410
19	HANDWHEEL	ASTM A197
23	HANDLE WASHER	STAINLESS STEEL
24	H.W.NUT	ASTM A194 Gr.8MA
25	NAMEPLATE	SS304
35	BODY BOLT	ASTM A193 Gr.B8MA
42	GLAND BOLT	ASTM A193 Gr.B8MA
47	GLAND FLANGE	ASTM A182 Gr.F316L
48	LOW EMISSION TAG	ALUMINUM
49	CABLE TIE	SS WIRE

### DIMENSIONS

unit:inch

SIZE	PORT	L	L2	ØE	H	SW	Weight(lbs)	Torques(lbf.in)	CV(GPM)	
DN8	1/4"	0.24	3.11	0.39	3.94	6.14	0.56	4.3	443.25	5.5
DN10	3/8"	0.24	3.11	0.39	3.94	6.14	0.69	4.3	443.25	5.5
DN15	1/2"	0.39	3.11	0.39	3.94	6.34	0.86	4.3	443.25	5.5
DN20	3/4"	0.53	3.62	0.51	3.94	6.34	1.07	4.6	443.25	12
DN25	1"	0.69	4.37	0.51	4.72	7.87	1.33	7.9	531.9	27
DN32	1-1/4"	0.89	4.65	0.51	5.91	8.62	1.68	11.25	753.53	55
DN40	1-1/2"	1.13	4.65	0.51	5.91	9.69	1.92	12.0	753.53	80
DN50	2"	1.44	5.20	0.63	5.91	10.43	2.41	16.38	975.15	105

#### APPLICABLE STANDARDS:

Gate Valve:API 602,NACE MR 01-75

Shell Wall Thickness:API 602

Flow passageway:API 602

Stem diameter:API 602

Socket Weld:ASME B16.11

Test Inspection Per API 598

Shell ( by Water):2400 Psig (166 Bar)

Seat ( by Water):1775 Psig (123 Bar)

(by Air): 80 Psig (6 Bar)

LOW EMISSIONS PER ANSI/ISA 93.00.01-1999

100 PPM OR LESS



APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION	
SIGN	AMOS CHEN	XIAOFENG JIN	HUIJIAN XIANG	WARREN-801HF-S	MATERIALS LIST	FORGED STEEL GATE VALVE, SOCKET WELDING END, ANSI CLASS 800	
DATE	11/24/2014	11/24/2014	11/24/2014	REVISION	02		SCALE