



BILL OF MATERIAL

No.	Parts	Materials	Remark
1	BODY	A182-F316/F316L	Marking : F316L
2	SEATRING	A276-316	HF(#6)
3	WEDGE	A351-CF8M	HF(#6)
4	STEM	A276-316	
5	GASKET	SPW 316/L+Graphite	
6	BONNET	A182-F316/F316L	
7	BONNET BOLT	A193-B8	
8	GLAND PACKING	Flexible Graphite	
9	GLAND BOLT	A193-B8	
10	GLAND	304SS	
11	GLAND FLANGE	304SS	
12	GLAND NUT	A194-8	
13	SLEEVE WASHER	Stainless Steel	
14	YOKE SLEEVE	A582-303	
15	HANDWHEEL	A197	
16	NAME PLATE	Stainless Steel	
17	H/W NUT	Carbon Steel	

WARREN MODEL 1501HF

D I M E N S I O N (inch)

NPS (inch)	H	L	W	Port Dia. P(Min.)	Ends				Weight (kg)	Q'ty (ea)	Tag No.
					B	C	d1	S			
1/2	5.787	3.622	4.015	0.377	0.855	0.38	1/2NPT	0.5337	2.4	-	
3/4	6.692	4.094	5.078	0.5	1.065	0.50	3/4NPT	0.5457	3.1	-	
1	8.149	4.527	6.141	0.708	1.330	0.50	1 NPT	0.6828	5.7	-	
1 1/2	9.685	5.748	6.141	1.125	1.915	0.50	1 1/2 NPT	0.7235	12.9	-	
2	11.929	8.267	7.874	1.476	2.406	0.62	2 NPT	0.7565	22.0	-	

Design : API 602, BS 5352, ISO 15761, ASME B16.34

Ends Connection : SWxNPT

Pressure Test (API 598)

Shell	Hydraulic : 5400 psig (380 kgf/cm <sup>2</sup> )
Seat	Pneumatic : 80 psig ( 6 kgf/cm <sup>2</sup> )
Backseat	Pneumatic : 80 psig ( 6 kgf/cm <sup>2</sup> )

Rev.	Description	Date	Drawn by	Chk'd by	App'd by
	First Issue	-	S.G.CHO	M.H.LEE	H.K.KIM

**WARREN ALLOY VALVE & FITTING CO.**

**TITLE : CLASS 1500 GATE RP BB OS&Y  
A182-F316L TRIM 316 FHF**

Drawing No.	15A16A16X	Rev.	0
-------------	-----------	------	---