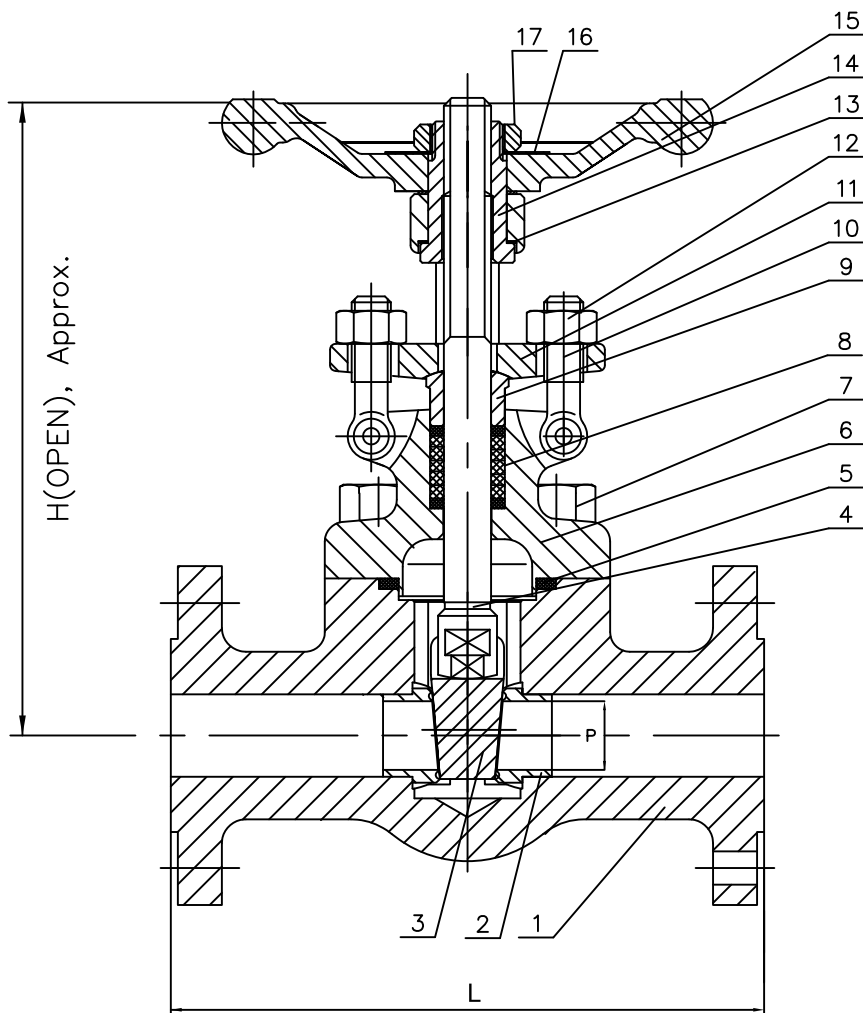


BILL OF MATERIAL

No.	Parts	Materials	Remark
1.	BODY	A105N	
2.	SEAT RING	A276-410 + Stellite	
3.	WEDGE	A276-410	
4.	STEM	A182-F6	
5.	GASKET	Spiral Wound Type 304+Graphite	
6.	BONNET	A105N	
7.	BONNET BOLT	A193-B7M	
8.	GLAND PACKING	Flexible Graphite	
9.	GLAND	A276-410	
10.	GLAND BOLT	A193-B7M	
11.	GLAND FLANGE	A105	
12.	GLAND NUT	A194-2HM	
13.	SLEEVE WASHER	Stainless Steel	
14.	YOKE SLEEVE	A582-303	
15.	HANDWHEEL	A197	
16.	NAME PLATE	St/St	
17.	H/W NUT	1035+Zin	

NOTE:

1. Integral Type.
2. The Flanges shall have 125-250 AARH finishing.
3. NACE: MR0175 Ed:2002, MR0103



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

NPS (inch)	H	L	W	Port Dia P	Ends								Weight (kg)	Q'TY (pcs)	Fig No.
					D	C	g	t	f	nxh	d				
1/2	158	108	100	9.6									4.5		GAC150-8
3/4	169	117	100	12.7									5.2		GAC150-8
1	197	127	125	18.0									8.2		GAC150-8
1 1/2	246	165	160	28.6									12.5		GAC150-8
2	283	203	180	37.5									20.3		GAC150-8

Design : ANSI B16.34/API 602/EN ISO 15761

Ends	<input checked="" type="checkbox"/> RF (ASME B16.10, B16.5) <input type="checkbox"/> FF <input type="checkbox"/> Small Tongue <input type="checkbox"/> R T J	
Connection	Shell	Hydrostatic : 425 psig (30 kgf/cm ²)
Test (API 598)	Seat/ Backseat	Hydrostatic : 325 psig (23 kgf/cm ²) Pneumatic : 80 psig (6 kgf/cm ²)
	Seat	Seat Ring <input checked="" type="checkbox"/> Stellite (#6)
Surface	Disc or Wedge	<input type="checkbox"/> Stellite (#6) <input checked="" type="checkbox"/> Hardened (Q.T)
Coating	<input checked="" type="checkbox"/> Phosphatized <input type="checkbox"/> Epoxy painted <input type="checkbox"/> Aluminum painted <input type="checkbox"/> Non-Application	

	REV 2	15.08.16			
	First Issue	JULY/19/'04			
Rev.	Description	Date	Drawn by	Chk'd by	App'd by
		TOCINA Valvulas S.L.			
		TITLE CLASS 150 GATE BB OS&Y FLG'D A105N/13Cr/HFS (No8)			
Drawing No.		994-0719-01-02		Rev.	0