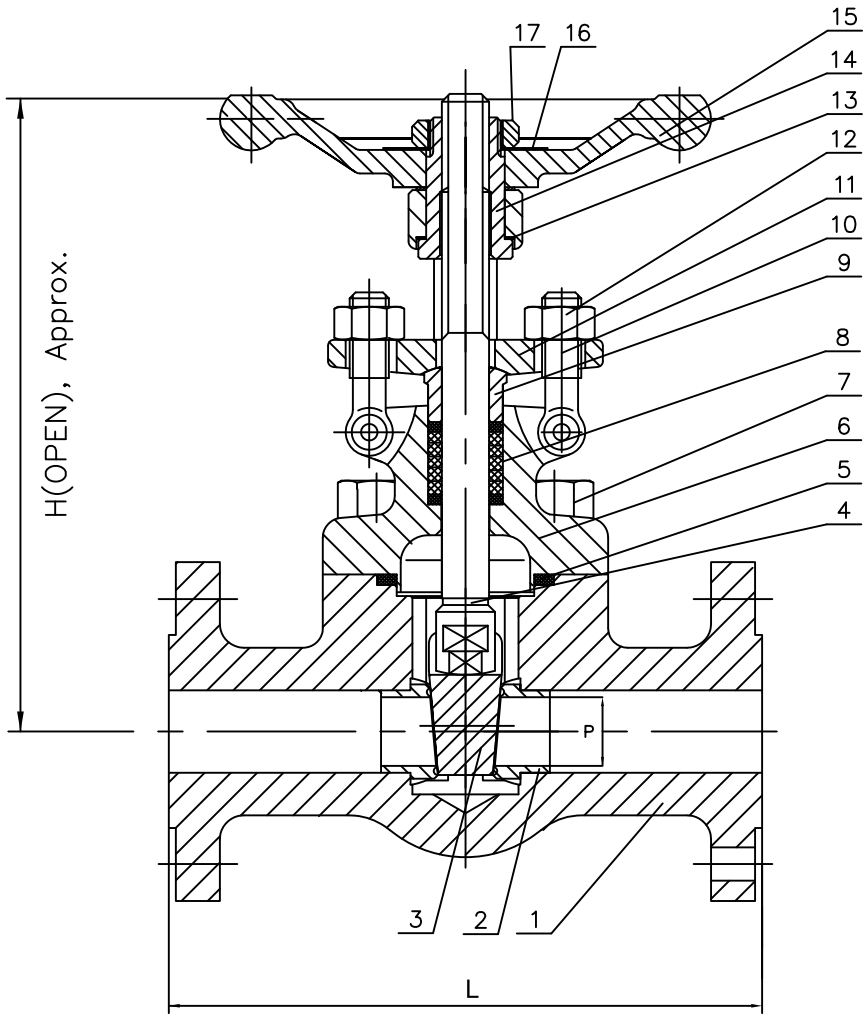


NOTE:

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

BILL OF MATERIAL

No.	Parts	Materials	Remark
1.	BODY	A105N	
2.	SEAT RING	A276–410 + Stellite	
3.	WEDGE	A276–410 + Stellite	
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	A276–410	
14.	YOKE SLEEVE	A276–410	
15.	HANDWHEEL	A197	
16.	NAME PLATE	St/St	
17.	H/W NUT	1035+Zin	

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

NPS (inch)	H	L	W	Port Dia P	Ends D	C	g	t	f	nxh	d	Weight (kg)	Q'TY (pcs)	Fig No.
1/2	169	165	100	9.6								5.9		GAC600–8
3/4	197	190	100	12.7								7.4		GAC600–8
1	236	216	125	18.0								10.4		GAC600–8
1½	283	241	160	28.6								17.5		GAC600–8
2	320	292	180	37.5								28.3		GAC600–8

Design :	ANSI B16.34/API 602/EN ISO 15761	
Ends Connection	■ RF (ASME B16.10, B16.5) ☐ FF	
	☐ Small Tongue ☐ R T J	
Test (API 598)	Shell	Hydrostatic : 2220 psig(153 kgf/cm²)
	Seat/ Backseat	Hydrostatic : 1628 psig(112 kgf/cm²)
		Pneumatic : 80 psig(6 kgf/cm²)
Seat Surface	Seat Ring	■ Stellited (#6)
	Disc or Wedge	■ Stellited (#6) ☐ Hardened (Q.T)
Coating	■ Phosphatized ☐ Epoxy painted	
	☐ Aluminum painted ☐ Non–Application	

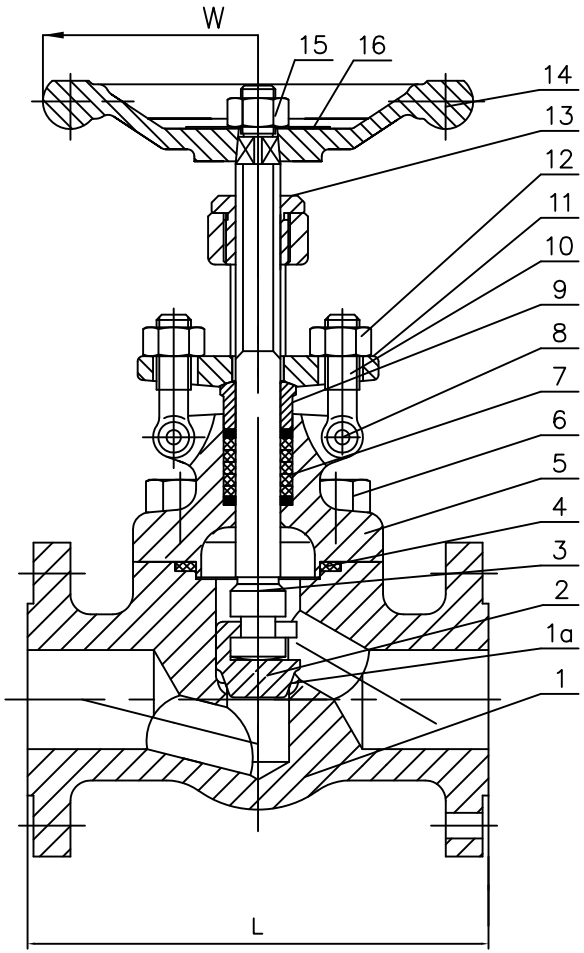
Rev.	Description	Date	Drawn by	Chk'd by	App'd by
2					
1	REV 2	15.08.16			
0	First Issue	JULY/19/'04			

TOCINA Válvulas S.L.

TOCINA Valvulas S.L.

TITLE CLASS 600 GATE BB OS&Y FLG'D
A105N/13Cr/HFS (No5)

Drawing No.	994–0719–01–13	Rev.	0



NOTE:

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

BILL OF MATERIALS

No.	Parts	Materials	Remark
1.	BODY	A105N	
1a	SEAT	A105+STL	
2.	DISC	A276–410+STL	
3.	STEM	A182–F6a	
4.	GASKET	Spiral Wound Type 316+Graphite	
5.	BONNET	A105N	
6.	BONNET BOLT	A193–B7M	
7.	GLAND PACKING	Flexible Graphite	
8.	GLAND PIN	A276 410	
9.	GLAND	A276–410	
10.	GLAND BOLT	A193–B7M	
11.	GLAND FLANGE	A105	
12.	GLAND NUT	A194–2HM	
13.	YOKE BUSH	A276–410	
14.	HANDWHEEL	A197	
15.	H/W NUT	A194 2H	
16.	NAME PLATE	ALUMINUM/304	

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

NPS (inch)	H (OPEN)	L	W	Port Dia P	Ends D	C	g	t	f	nxh	d	Weight (kg)	Q'TY (pcs)	Fig No.
1/2	171	165	100	9.5								5.6		GLC600–5
3/4	207	190	100	12.7								7.8		GLC600–5
1	240	216	125	18.0								12.5		GLC600–5
1½	330	241	160	28.6								23.5		GLC600–5
2	380	292	180	37.5								38.8		GLC600–5

Design	: ANSI B16.34/API 602/EN ISO 15761	
Ends Connection	■ RF (ANSI B16.10,16.5) ☐ FF ☐ Small Tongue ☐ R T J	
Test (API 598)	Shell	Hydrostatic : 2220 psig(153 kgf/cm²)
	Seat/ Backseat	Hydrostatic : 1628 psig(112 kgf/cm²) Pneumatic : 80 psig (6 kgf/cm)
Seat Surface	Seat or Seatring	■ Stellited (#6)
	Disc or Wedge	■ Stellited (#6) ☐ Hardened (Q.T)
Coating	■ Phosphatized ☐ Epoxy painted ☐ Aluminum painted ☐ Non–Application	

Rev.	Description	Date	Drawn by	Chk'd by	App'd by
2					
1	REV 2	15.08.16			
0	First Issue	JULY/19/'04			

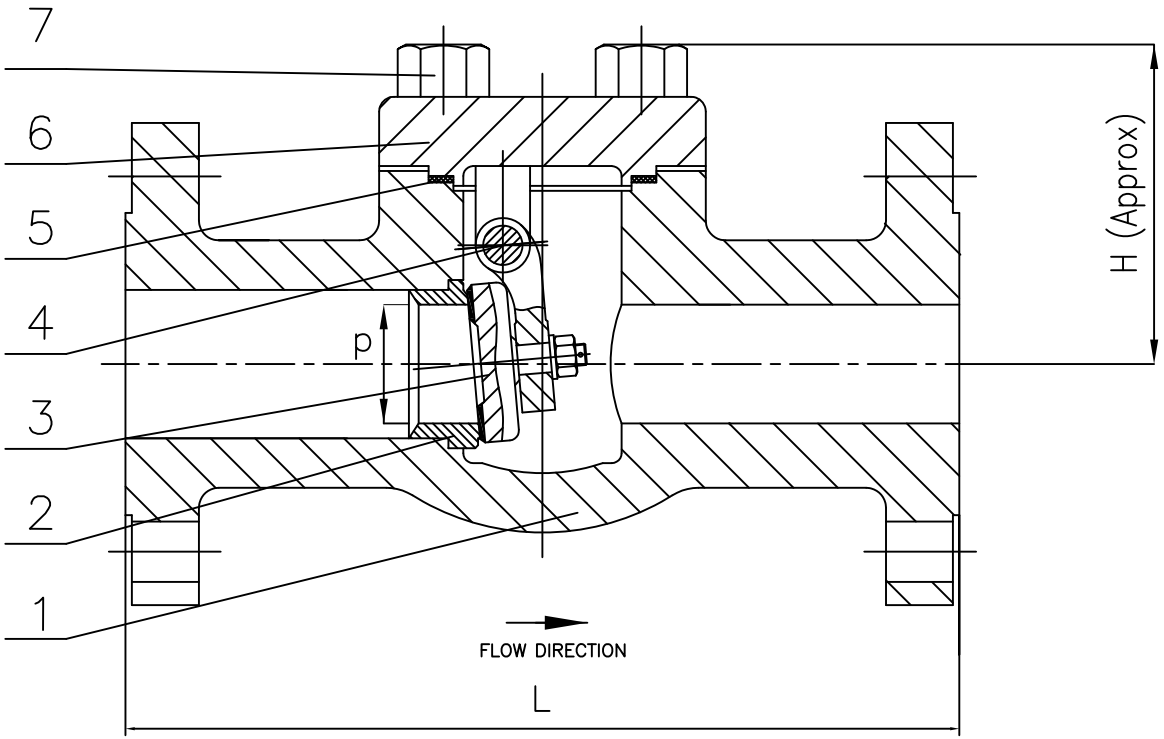
TOCINA Válvulas S.L.

TOCINA Valvulas S.L.

TITLE: CLASS 600 GLOBE BB OS&Y FLG'D
A105N/13Cr/HFS (No5)

Drawing No.	994–0719–01–11	Rev.	2

NOTE:
1. Integral Type.
2. The Flanges shall have 125–250 AARH finishing.



BILL OF MATERIALS

No.	Parts	Materials	Remark
1.	BODY	A105N	
2.	SEAT RING	A276 410+STL	
3.	DISC	A276 410+STL	
4.	PIN	AISI 1035	
5.	GASKET	316+GRAPHITE	
6.	COVER	A105N	
7.	BOLT	A193 B7M	

NOTE: According to NACE: MR0175 Ed:2002, MR0103

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

NPS (inch)	H	L	Port Dia P	Ends D	C	g	t	f	nxh	d	Weight (kg)	Q'TY (pcs)	Valve No.
1/2	61	165	9.5								3.0		CKC600–5
3/4	79	190	12.7								4.0		CKC600–5
1	95	216	17.5								5.8		CKC600–5
1 1/2"	118	241	29.5								10.1		CKC600–5
2	135	292	36.0								15.6		CKC600–5

Design :	API 602/EN ISO 15761	
Ends Connection	■ RF (ASME B16.10,16.5) ☐ FF ☐ Small Tongue ☐ R T J	
Test (API 598)	Shell	Hydrostatic : 2175 psig (153 kgf/cm²)
	Seat/ Back Seat	Hydrostatic : 1500 psig (106 kgf/cm²)
		Pneumatic : N/A psig (N/A kgf/cm²)
Seat Surface	Seat or Seatring	■ Stellited (#6)
	Disc or Wedge	■ Stellited (#6) ■ Hardened (Q.T)
Coating	■ Phosphatized ☐ Epoxy painted ☐ Aluminum painted ☐ Non–Application	

Rev.	Description	Date	Drawn by	Chk'd by	App'd by
2					
1	Rev 2	15.08.16			
0	First Issue	JUNE/13/'09			

TOCINA Válvulas S.L.

TOCINA Valvulas S.L.

TITLE: CLASS 600 SWING CHECK BC FLG'D
A105N/13Cr/HFS (No5)

Drawing No.	994–0723–01–03	Rev.	2