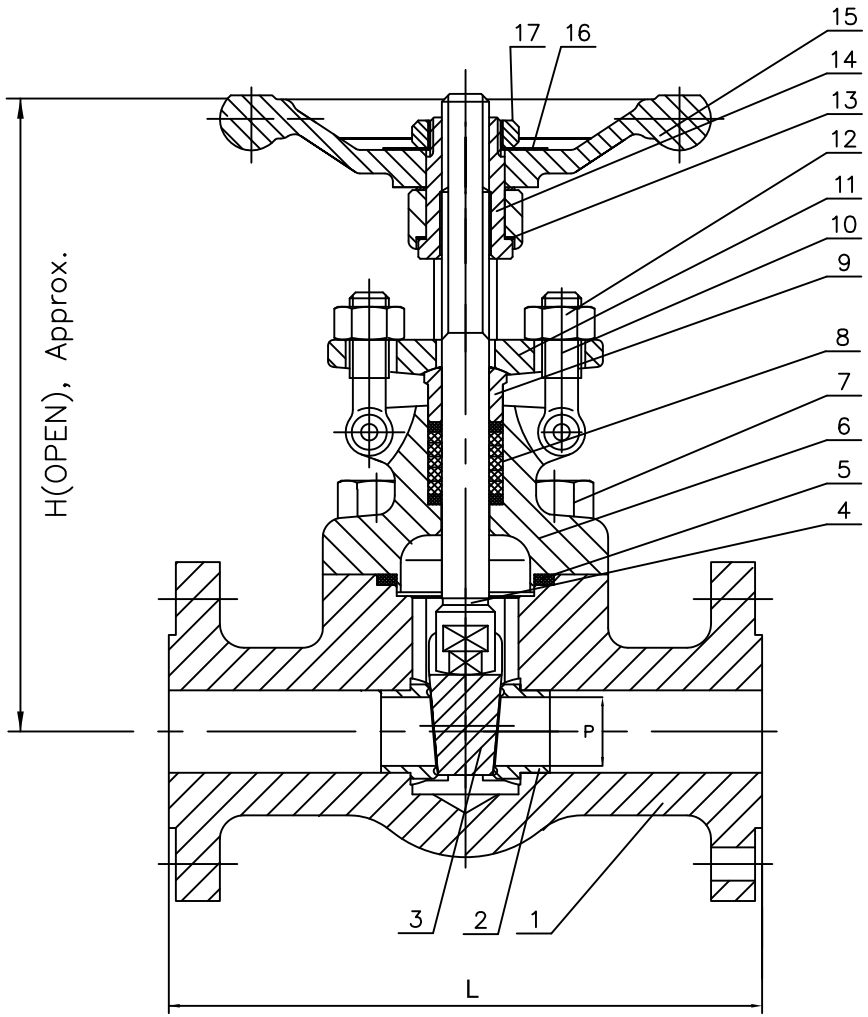


NOTE:

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	
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	

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	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
1½	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 Connection	■ RF (ASME B16.10, B16.5) ☐ FF	
	☐ Small Tongue ☐ R T J	
Test (API 598)	Shell	Hydrostatic : 425 psig(30 kgf/cm²)
	Seat/ Backseat	Hydrostatic : 325 psig(23 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	

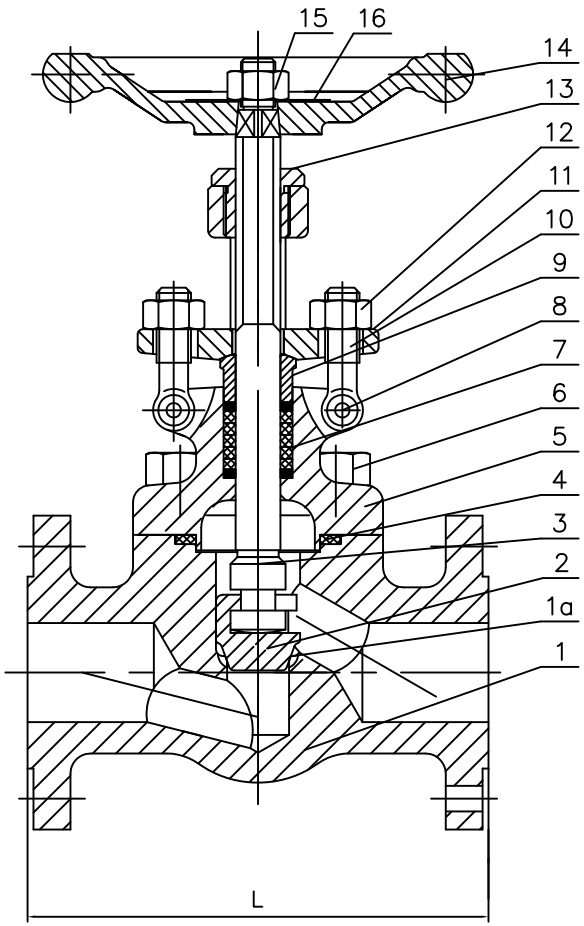
Rev.	Description	Date	Drawn by	Chk'd by	App'd by
2					
1	REV 2	15.08.16			
0	First Issue	JULY/19/'04			

TOCINA Válvulas S.L.

TOCINA Valvulas S.L.

TITLE: CLASS 150 GATE BB OS&Y FLG'D
A105N/13Cr/HFS (No8)

Drawing No.	994–0719–01–02	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	
3.	STEM	A182–F6a	
4.	GASKET	Spiral Wound Type 304+Graphite	
5.	BONNET	A105N	
6.	BONNET BOLT	A193–B7M	
7.	GLAND PACKING	Flexible Graphite	
8.	GLAND PIN	1045	
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	C–St 1035+ZINC	
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	166	108	100	9.5								4.5		GLC150–8
3/4	171	117	100	12.7								6.9		GLC150–8
1	207	127	125	17.5								9.8		GLC150–8
1½	258	165	160	29.5								19.5		GLC150–8
2	330	165	180	29.5								28.0		GLC150–8

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 : 450 psig(32 kgf/cm²)
	Seat/ Backseat	Hydrostatic : 325 psig(23 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	

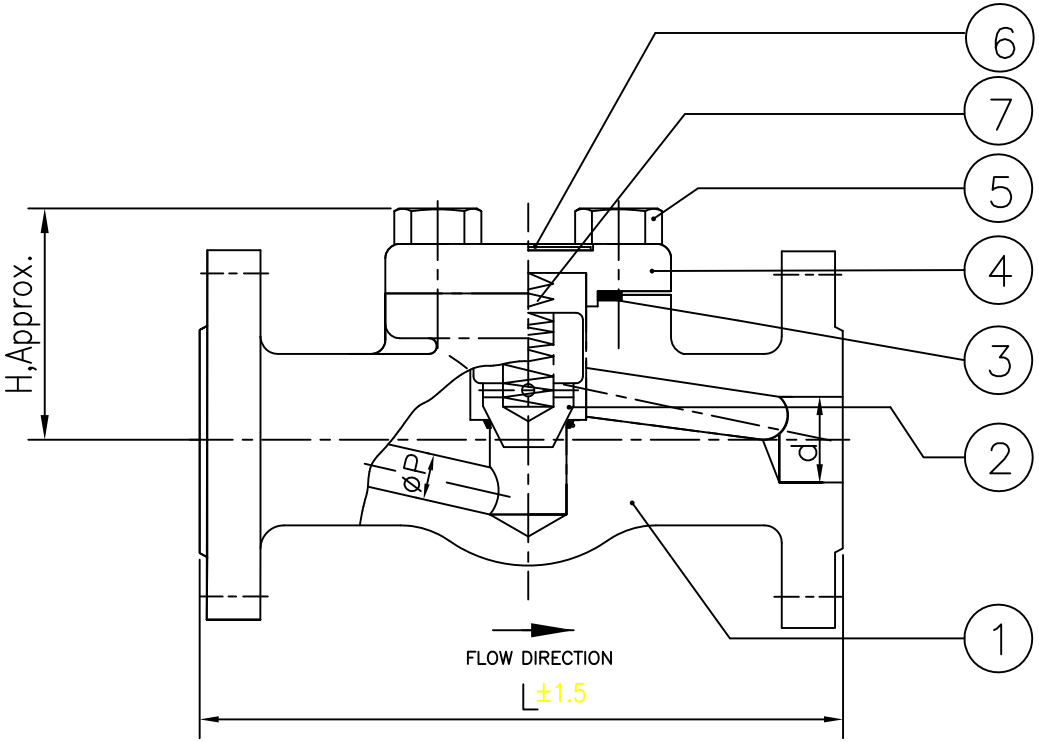
Rev.	Description	Date	Drawn by	Chk'd by	App'd by
2					
1	REV 2	15.08.16			
0	First Issue	JULY/19/'04			

TOCINA Válvulas S.L.

TOCINA Valvulas S.L.

TITLE: CLASS 150 GLOBE BB OS&Y FLG'D
A105N/13Cr/HFS (No8)

Drawing No. 994–0719–01–05 Rev. 2



BILL OF MATERIALS

No.	Parts	Materials	Remark
1.	BODY	A105N	
2.	DISC	A276–410	
3.	GASKET	Spiral Wound Type 304+Graphite	
4.	COVER	A105N	
5.	COVER BOLT	A193–B7	
6.	NAME PLATE	Aluminum	
7.	SPRING	Type 316	

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	Port Dia P	Ends D	C	g	t	f	nxh	d	Weight (kg)	Q'TY (pcs)	Valve No.
1/2	61	108	9.5							12.7	2.5		CKPC150–8
3/4	61	117	12.7							19.1	3.6		CKPC150–8
1	79	127	17.5							25.4	4.7		CKPC150–8
1½	103	165	29.5							38.1	9.6		CKPC150–8
2	118	203	35.0							50.8	13.7		CKPC150–8

Design :	ANSI B16.34/API 602/EN ISO 15761	
Ends Connection	■ RF (ASME B16.10,16.5) ☐ FF ☐ Small Tongue ☐ R T J	
Test (API 598)	Shell	Hydrostatic : 450 psig (32 kgf/cm²)
	Seat/ Back Seat	Hydrostatic : 325 psig (23 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	

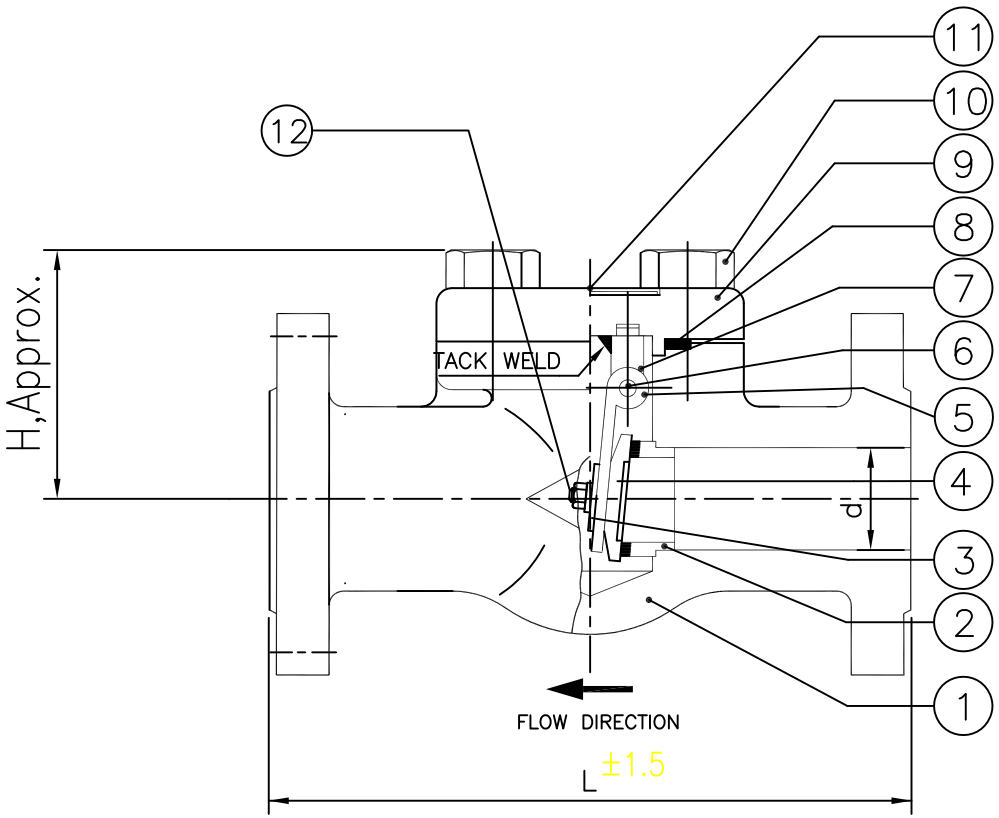
Rev.	Description	Date	Drawn by	Chk'd by	App'd by
2					
1	REV 2	15.08.16			
0	First Issue	JULY/22/'04			

TOCINA Válvulas S.L.

TOCINA Valvulas S.L.

TITLE: CL150 Lift Check BC Flg'd A105N/13Cr/HFS (No 8)

Drawing No.	994–0722–01–01	Rev.	2



BILL OF MATERIALS

No.	Parts	Materials	Remark
1.	BODY	A105N	
2.	SEATRING	A276–410 + Stellite	
3.	DISC WASHER	Stainless Steel	
4.	DISC	A276–410	
5.	HINGE	A276–410	
6.	HINGE PIN	A276–410	
7.	SUPPORT	A276–410	
8.	GASKET	Spiral Wound Type 304+Graphite	
9.	COVER	A105N	
10.	COVER BOLT	A193–B7	
11.	NAME PLATE	Aluminum	
12.	DISC NUT	A194–2h	

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	Port Dia P	Ends D	C	g	t	f	nxh	d	Weight (kg)	Q'TY (pcs)	Fig No.
1/2	61	108	9.5							12.7	2.5		CKC150–8
3/4	61	117	12.7							19.1	3.3		CKC150–8
1	79	127	17.5							25.4	4.3		CKC150–8
1½	103	165	29.5							38.1	8.9		CKC150–8
2	118	165	29.5							38.1	12.6		CKC150–8

Design : ANSI B16.34/API 602/EN ISO 15761		
Ends Connection	■ R F (ANSI B16.10, 16.5) ☐ F F	
	☐ Small Tongue ☐ R T J	
Test (API 598)	Shell	Hydrostatic : 450 psig (32 kgf/cm²)
	Seat/ Backseat	Hydrostatic : 325 psig (23 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	JULY/19/'04			

TOCINA Válvulas S.L.

TOCINA Valvulas S.L.

TITLE: CL150 Swing Check BC Flg'd A105N/13Cr/HFS (No 8)

Drawing No. 994–0719–01–06 Rev. 2