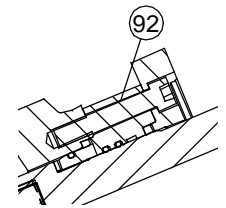
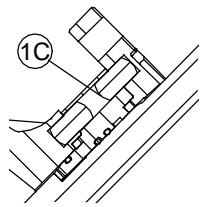
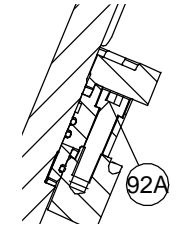
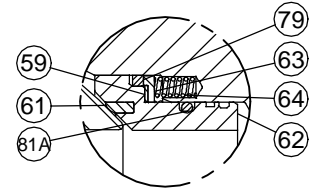
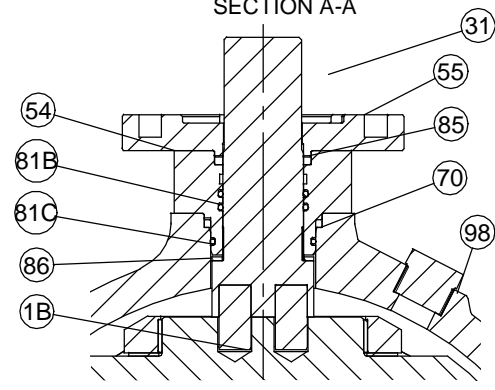


SECTION A-A




STANDARDS

DESIGN
FACE TO FACE
FLANGED
ANTI-STATIC
FIRE-SAFE

BS 5351, API 6D
ANSI B16.10 LONG PATTERN
ANSI B16.5 RF, SMOOTH FINISH Ra 3.2-6.3 µm
BS 5351
API 607

Pos.	PART NAME	ANT/ QTY	MTL SS VERSION	MTL CS VERSION
1C	BONNET PIN DIN-7	4	A2-70 (SS 304)	
1B	STEM PINS DIN-7	2	UNS S31803	
1A	SUPPORT PLATE PINS DIN-7	4	A2-70 (SS 304)	
98	VENT PLUG	1	SS 316	A-105 N
96	DRAIN PLUG	1	SS 316	A-105 N
94	LIFTING EYE BOLTS DIN- 580	2	SS 304	CS
92A	BONNET BOLT DIN-912	4	A2-70 (SS 304)	
92	TOP FLANGE BOLT DIN-912	4	A2-70 (SS 304)	
91	BODY BOLT DIN-933	-	A4-70 (SS 316)	ASTM A-193 B7 M
90	STEM KEY DIN-6885	1	SS 316	
86	STEM THRUST WASHER	1	PTFE	
85	STEM SEAL	1	GRAPHITE	
81C	BONNET O-RING	1	VITON B	
81B	STEM O-RING	2	VITON B	
81A	SEAT O-RING	2	VITON B	
81	COVER O-RING	1	VITON B	
79	SEAT SEAL	2	GRAPHITE	
71	BODY SEAL	1	GRAPHITE	
70	BONNET SEAL	1	GRAPHITE	
64	SEAT SPRINGS	-	INCONEL X-750	
63	SEAT RING	2	SS 316	
62	HOUSING SEAT RING	2	SS 316	
61	SEAT	2	DEVLON V API	
59	RING	2	NYLON	
55	TOP FLANGE	1	SS 316	A-105 N
54	BONNET	1	SS 316	A-105 N
49	SUPPORT	2	SS 304	CS
41	BODY COVER	1,2	CF8M / F316	WCC / A-105 N
38	PLAIN BUSHING	2	SS 316 / PTFE	CS / PTFE
37	SUPPORT PLATE	2	SS 316	CS AISI 1015
36	SUPPORT THRUST WASHER	2	SS 316 / PTFE	CS / PTFE
31	STEM	1	SS 316	
21	BALL	1	CF8M / F316	
11	BODY	1	CF8M / F316	WCC / A-105 N
Pos.	PART NAME	ANT/ QTY	MTL SS VERSION	MTL CS VERSION

NPS	D	L	N	h	ISO 5211	CONSTRUCTION	Weight Kg.
6"		403.4					143
8" x 6"	152		286.5	238.5	F14	3 pieces	230
8"	203	502	323.5	275.5		2 pieces	235
10" x 8"						3 pieces	340
10"	254	569	384	324	F16	2 pieces	363
12" x 10"						3 pieces	-
12"	305	648	455	383		2 pieces	575
14" x 12"						3 pieces	-
14"	337	762	480	408	F25	2 pieces	801
16" x 12"	305	838.2	515.5	383			-
16"	387		515.5	443.5			1376
18" x 14"	337	914.4	480	408			-
18"	438		618.5	520.5	F30		2179
20" x 16"	387	990.6	515.5	443.5	F25	3 pieces	-
20"	489		656	558	F30		2729
24" x 20"	489		656	558			-
24"	591	1143	787.5	667.5	F35		4505



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<p>Título / Title</p> <p style="text-align: center;">BALL VALVE TYPE TSB CLASS 300</p>	<p>Dibujado / Drawn Enric Balsera</p> <p>Escala / Scale</p>
<p>Aprobado / Approved Carles Bach</p>	<p>Fecha / Date 25-09-02</p>
<p>Plano nº / Drawing nr. TSB CLASS 300</p>	<p>Rev. A</p>

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