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Pol. Ind. FONTSANTA
08970 - SANT JOAN DESPÍ
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Sheet 1 of 2

Project: **FIRE TEST FOR SOFT-SEATED
BALL VALVE**

Certificate No.: **102/02**

Client: **J.C. FÁBRICA DE VÁLVULAS, S.A.**

Office: **Sant Joan Despí (BCN)**

Client's Order No.: —

Date: **18.04.02**

Inspection dates

First: **08.03.02**

Order Status: **Complete**

Final: **08.03.02**

This certificate is issued to

Messrs. **J.C. FABRICA DE VÁLVULAS, S.A.**, upon their request that the undersigned Suveryor to this Society did attend their premises at their works in Sant Boi de Llobregat - Barcelona (Spain) for the purpose of witnessing the FIRE TEST in accordance with the requirements specified in BS-6755: Part 2, 1987, API 6FA: 1994, and ISO-10497/92 on the following type of valve:

A manually operate, soft seated, BW ball valve of 6" bore 4", symmetric valve as per fig. 7260 AIN.

Body and Connector material A-105 (Carbon Steel)

Seats: NYLON

Ball material: A-351 Gr CF8M

Stem: AISI 316

Marks:

- BODY : Col. 6649
- CONNECTOR : Col. 227323

The test conducted on the valve previously subject to hydraulic pressure was as follows:

The valve in the closed position, filled with water under test pressure, was put in a box and exposed to flames with an environmental temperature in the region 750° C for a period of 30 minutes and established the leakage trough the seat and external to atmosphere during this period. The temperature was checked and recorded every two minutes, while leakages were determined using containers collecting the water leaked during burn period. Afterwards cool-down to 100° C. The valve seat and external hydrostatically tested to the appropriate test pressure and leakages recorded accordingly. Subsequently manually opened up under test pressure differential and finally the valve was fully hydrottested and leakages recorded.

All the following values were determined and recorded together with temperatures, times and pressures as shown on manufacturers Fire Safe Test Report nº 7260 - 6"

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Sheet 2 of 2


1. Through-valve leakage during burn period-Satisfactory.
2. External leakage during burn and cool-down period-Satisfactory.
3. Through-valve leakage during operational test-Satisfactory.
4. External leakage during operational test-Satisfactory.
5. Operatibility to full open position and external leakage-Satisfactory.

The valve was subject to a visual examination with satisfactory results and subsequently dismantled in order to verify that valves components comply with the drawing and parts list supplied by the manufacturer, while seat rings were found completely destroyed.

The manufacturers Fire Safe Test Report nº 7260 - 6" and drawing nº 4056 Rev. 0 herewith attached were satisfactory checked and signed.

The above is considered in accordance with the mentioned specifications requirements, therefore the subject valve has satisfactory passed the prescribed fire test and can be also qualified as follows:

<u>NPS</u>	<u>CLASS RATING</u>	<u>PN RATING</u>
Full Bore: 4", 5", 6" and 8"	300# - 400# - 600#	25 and 40
Reduced Bore: 6", 8", 10" and 12"	300# - 400# - 600#	25 and 40

 **SGS Tecnos, S.A.**
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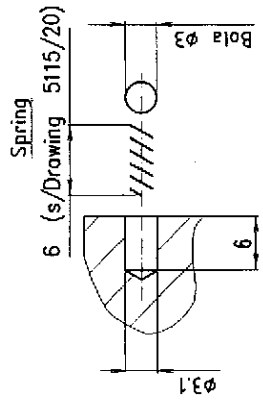
Supervyoyor Salvador Valo

DOCUMENTS ATTACHED:
Sheets reviewed and stamped
Accordingly.

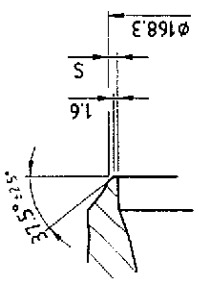
4056



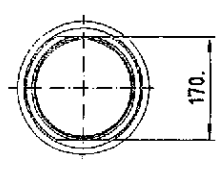
DETAIL ANTISTATIC



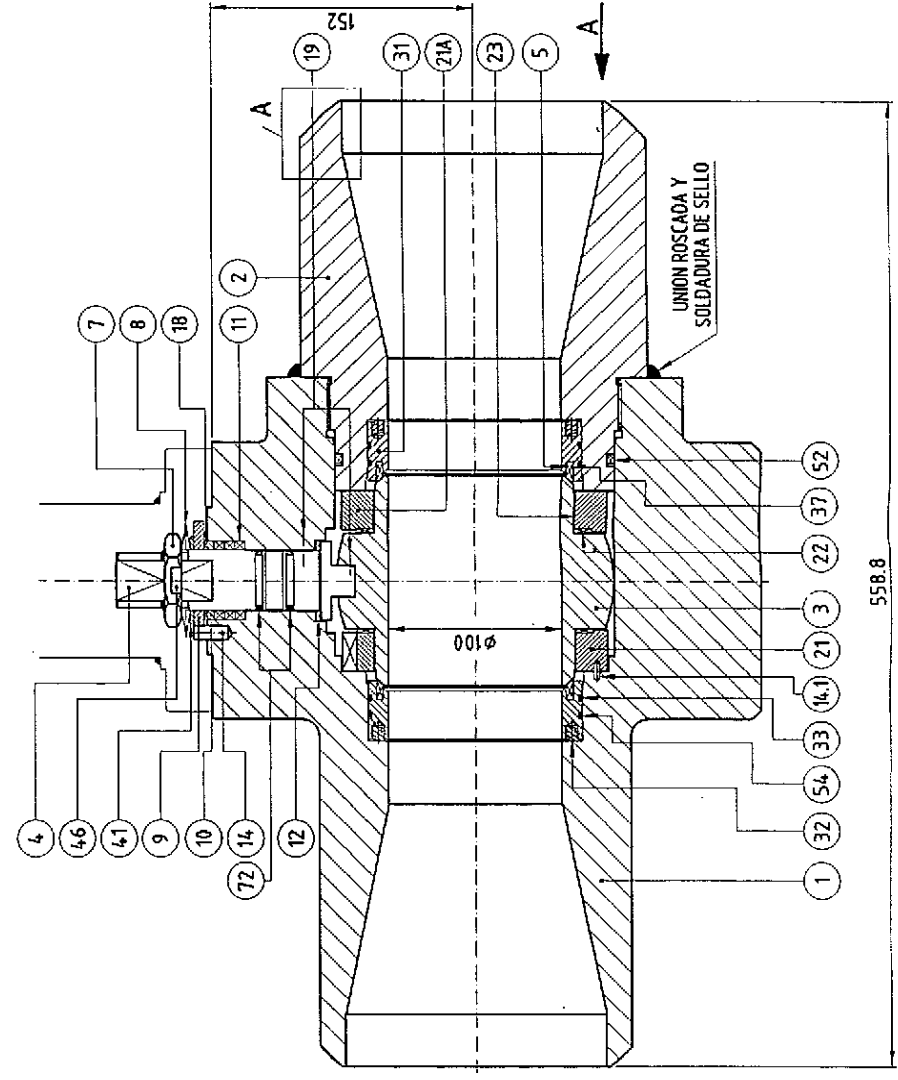
DETAIL A



VIEW A



FOR EXTENSIONS AND CONNECTIONS
SEE DRAWING NO. 4056FI



MARK QUANT	DENOMINATION	MATERIAL	N° DRAWINGS
72	2 "O" RING	VITON	287X353
54	2 SEAT SEAL	GRAPHITE	JA10062515S1
52	1 "O" RING	VITON	15177X333
46	1 LOCKING WASHER	AISI 304	5282/46
41	1 SPACER	CARBON ST	200125/41
37	2 "O" RING	VITON	105X15
33	2 SEAT SEAL	VITON	113.97X2.62
32	20 SEAT SPRING	INCONEL - 750	MR1002515
31	2 SEAT CARRIER	A 351 Gr. CF8M	SA1002515-M1
23	2 BEARING	PTFE	70X55X10.3
22	2 TRUNNION BEARING	AISI 316 INSIDE PTFE	60X55X10
21A	1 BALL TRUNNION	A 105 * NICKEL CHEMICAL 0.030 mm	GBS1507260B
21	1 BALL TRUNNION	A 105 * NICKEL CHEMICAL 0.030 mm	GBT1507260B
19	2 ANTISTATIC DEVICE	STAINLESS ST.	
18	1 THRUST WASHER	25% GF PTFE	45X35X2
14.1	4 STOP PIN	CARBON ST	PIU 638M
14	1 STOP PIN	CARBON ST	8X20 DIN 6325
12	1 STEM THRUST SEAL	25%GF PTFE	4.57X35X3
11	3 GLAND PAKING	GRAPHITE	45X35X6.4
10	1 GLAND	AISI 303	5182/10-1
9	1 STOP PLATE	CARBON ST	00820920
8	2 DISK SPRING	CARBON ST	5182/08
7	1 GLAND NUT	ZINC PLATED CARBON ST.	5182/07
5	2 SEAT RING	NYLON	A2515100-M1
4	1 STEM	A 479 Tp. 316	E2515100
3	1 BALL	A 105 * NICKEL CHEMICAL 0.030 mm	B2515100ST
2	1 BODY CONNECTOR	A 105	L7260B150
1	1 BODY	A 105	C7260B150

Rev.	Modification	Drawn	Checked	Appr. Eng.	Scale:	Substitutes:	Substitutes by:
0	First Issue						
		12-11-01	12-11-01				

Dimensions	mm.	Weight:	Substitutes:	Substitutes by:

Drawn	Checked	Appr. Eng.	Scale:
J. RUBIO			

Date	Date	Date	Date	Date
11-01	11-01	11-01	11-01	11-01

Drawn	Checked	Appr. Eng.	Scale:
J. RUBIO			

Drawn	Checked	Appr. Eng.	Scale:
J. RUBIO			

Date	Date	Date	Date	Date
11-01	11-01	11-01	11-01	11-01

Drawn	Checked	Appr. Eng.	Scale:
J. RUBIO			

Date	Date	Date	Date	Date
11-01	11-01	11-01	11-01	11-01

Drawn	Checked	Appr. Eng.	Scale:
J. RUBIO			

Date	Date	Date	Date	Date
11-01	11-01	11-01	11-01	11-01

Drawn	Checked	Appr. Eng.	Scale:
J. RUBIO			

Date	Date	Date	Date	Date
11-01	11-01	11-01	11-01	11-01

Drawn	Checked	Appr. Eng.	Scale:
J. RUBIO			

Date	Date	Date	Date	Date
11-01	11-01	11-01	11-01	11-01

Drawn	Checked	Appr. Eng.	Scale:
J. RUBIO			

Date	Date	Date	Date	Date
11-01	11-01	11-01	11-01	11-01

FIG.7260 A.LIN DN-6" ANS1600 PR BW



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4056

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