



ST122/NCF-A4-450/50/300/2X23.4/D-UE

TECHNICAL SPECIFICATION

(Code 5K8681)

A) GETTER MIXTURE

Type : ST122
Nominal Composition (wt%) : Ti 70, ST707 30

B) GETTER SUPPORT MATERIAL

Base material : Nichrofer 6025 HT

C) GETTER DIMENSIONS

The getters are supplied in A4 sheet type (nominal dimension 210x297 mm)
The single sheet contains 450 pieces
The getter dimensions are referred to a single piece.

See drawing No L.K555.D001.22 Rev. 1 herewith enclosed.

Overall getter dimensions : 2 x 23.4 mm
Total getter exposed surface : 60 mm²
Coating thickness (of single layer) : 150 µm
Coating type : Double side
Total thickness : 350 µm

D) GETTER CHARACTERISTICS

The getter characteristics are referred to a single piece

Total quantity of active getter material : 18 mg
Total weight : 36 mg

E) SORPTION PERFORMANCE ⁽¹⁾

See typical sorption curve No L.K555.S009.22 Rev. 1 herewith enclosed ⁽²⁾.

Activation temperature : 500 °C x 10'
Sorption pressure : 4 x 10⁻⁶ mbar
Tested gasses : H₂ - CO



F) IDENTIFICATION

The product is identified by the description and the numbers printed on the label stuck on packing.

Code

SAES internal product code

Ref. no.

Progressive number of each packing

Lot no.

Number to be mentioned in case of any technical request on the product.

Quantity

The number describes the total getters quantity contained inside the packing.

Date

Packing date.

Suggested use before

Product shelf life

Product description

Product name

G) PACKING

The sheet (s) is (are) packaged in a rigid plastic (polystyrene) tray.

Each sheet is spaced using a PE dissipating film.

The tray is packaged under vacuum in a gas tight Al-PE bag closed by thermo sealing.

H) STORING CONDITION

When the Al-PE bag is opened the getters have been stored in a dry clean environment up to 3 months

For longer storage periods the getters have to be kept under vacuum or nitrogen atmosphere.

I) PRODUCT or MATERIAL HANDLING

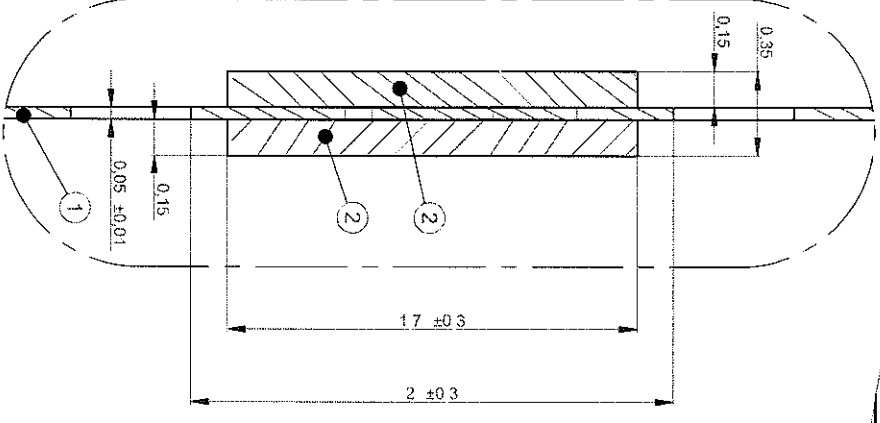
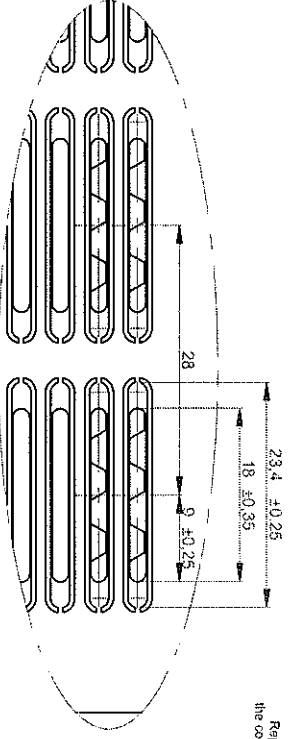
Refer to product Material Safety Data sheet.

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- (1) Measured as per ASTM F798-82.
(2) In order to define the sorption performance of the specific getter, multiply the sorption value reported on the envelope curve by the total exposed getter surface as reported in section B multiply by 10^2

Issued by: Product & Process Development
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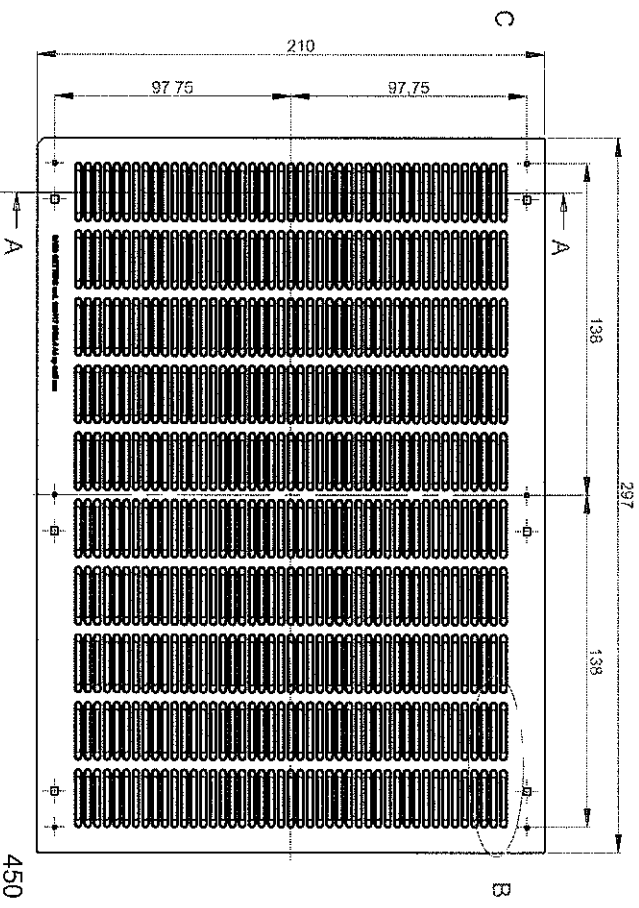
REV	DESCRIPTION	DATE	SIGN.



DETAIL C
 50:1

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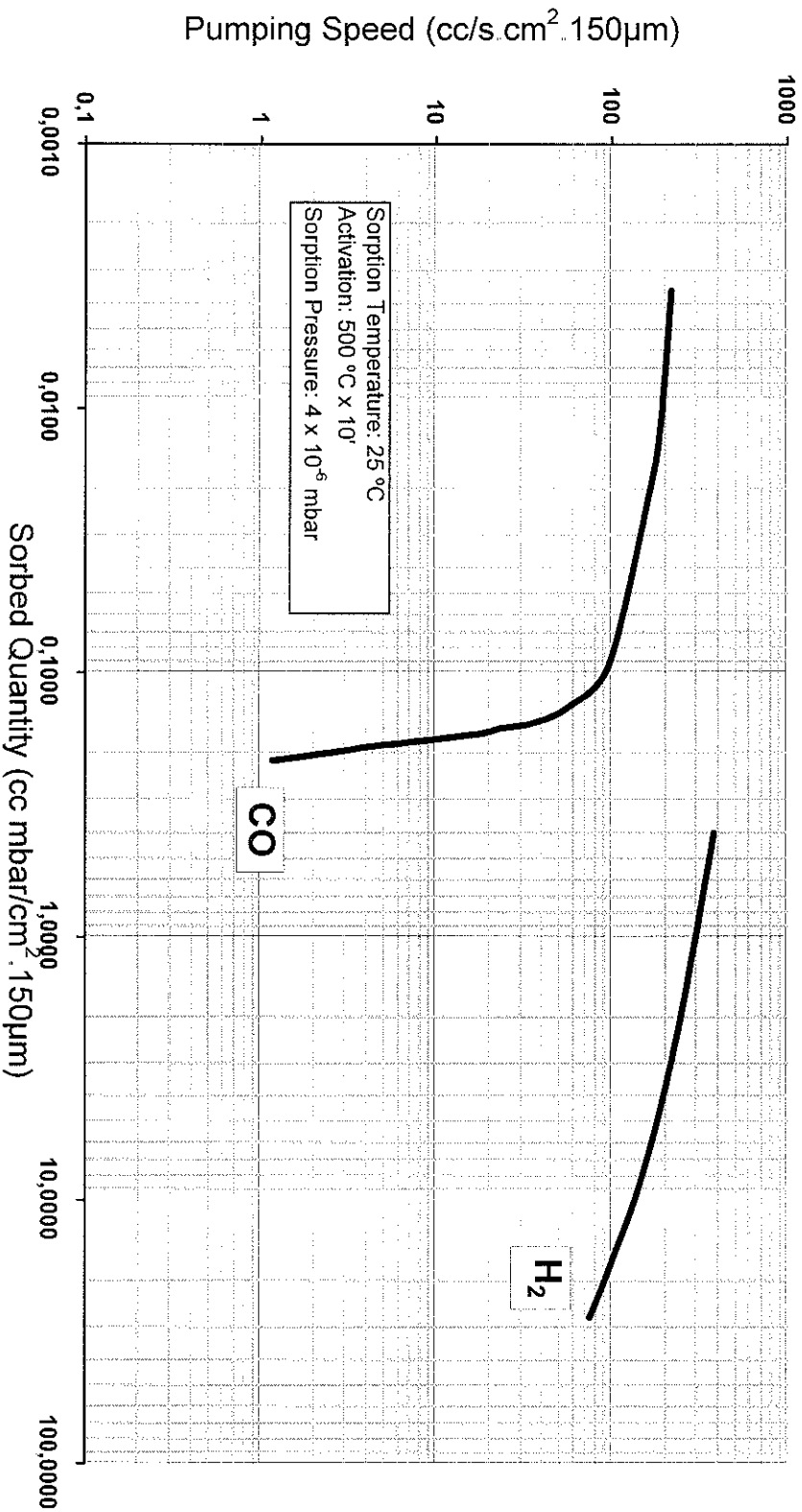
SECTION A-A



450 Pieces in one sheet

UM	Q	CODE	IDENTIFYING NO	BASE MATERIAL (MICROFER)	1	FINI	2
PART LIST				NOMENCLATURE/GROUP	GETTER ALLOY		
DRAFTN. EG				CHK	POZ	APPRVD.	GIS
TITLE				ST122/NCF-A4-450/50/300/2X23.4/D-UE			
DRAFTER				EG	CHK	POZ	APPRVD.
OVER ALL TOL.				OVER ALL THREAD TOL.			
IT11				K:LD&TTI			
DIMS ARE IN MILLIMETERS				M1101.0			
ORIGIN DWG NO.				LK555D00122			
DWG NO.				1			
DATE				30/06/05			
SCALE				1:2			
SIZE				A3			
SHEET				1/1			
CHECKED				LKHPT4000 22.dtl			
REV				1			
CODE				5K8681			

* Copy Approved By DCM on 29/06/2006 *



Note: Sorbed Quantity and Pumping Speed refer to 1 cm² and 150µm of getter coating

SAES	SORPTION CURVE FOR	
GETTERS	ST122 - getter material thickness: 150µm	
	DATE:	JUNE 2006
	CLASS:	LK555.S009.22 Rev. 1

According ASTM standard F 798-82

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