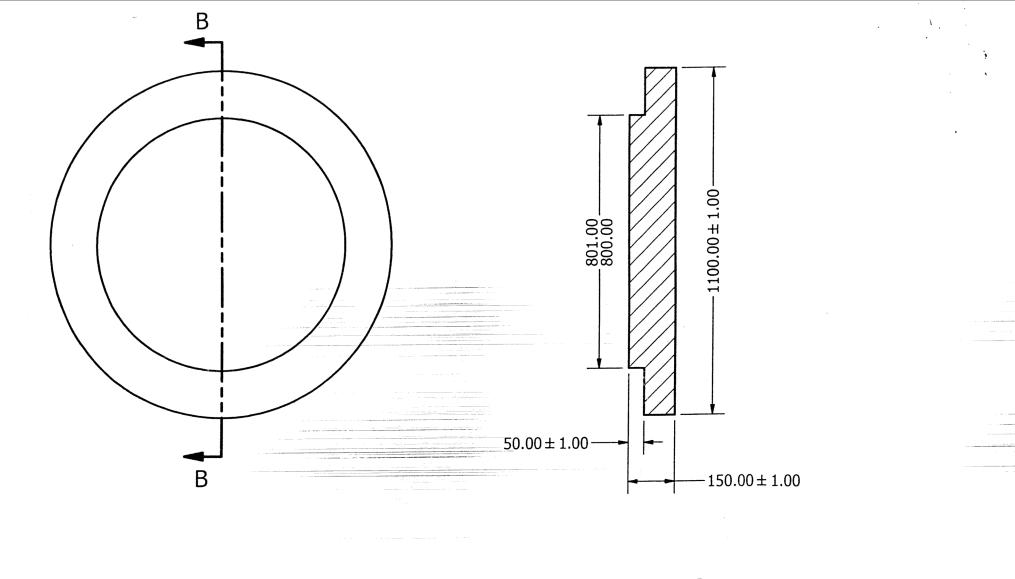
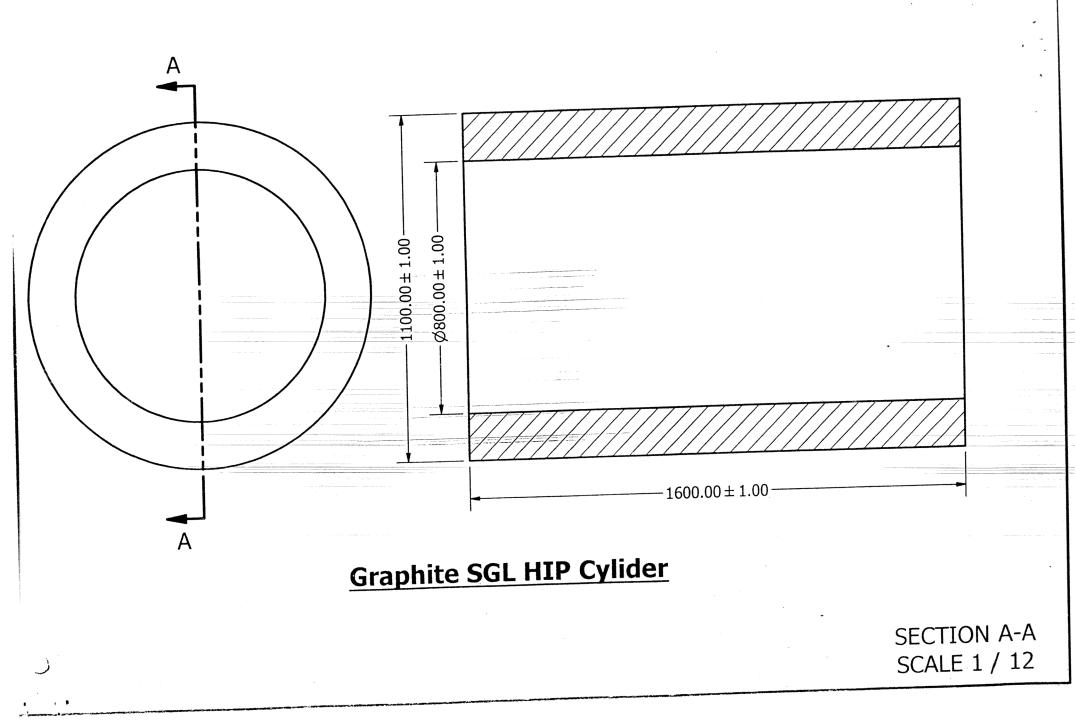
GRAPHITE INSULATION MATERIAL

Sr#	Description	Qty					
1	Sigratherm Rigid Graphite Felts	3					
	SGL Sigratherm RFA-FF Sandwich Cylinder or Equivalent						
	Dimensions:						
	O.D.: 1100 mm						
	I.D.: 800 mm						
	Height: 1600 mm						
2	Graphite Rigid Felt Lids	6					
	Dia: 1100 mm						
	Height: 150 mm						
Notes:							
	a. Please refer to the attached technical specifications document for further details.b. Technical literature of the offered items must be submitted with the quotation.						



Graphite SGL HIP Lids (Top & Bottom)

SECTION B-B SCALE 1 / 12

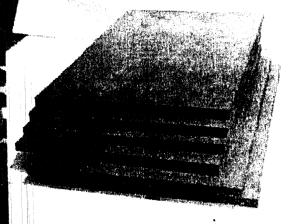


Specification Sheet

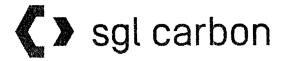
hard composite carbon fiber felt

hard composite felt

			High Temperature		High Purity		
PRODUCT			Carbon Felt (cover with graphite foil)	Carbon Felt (cover with CFC)	Carbon Felt (cover with graphite foil)	CEC	
Grade Name			CB164	CB165	CB166	CB167, /	
Material	PAN-CF						
Carbon Content	≥ 98		299 🧲				
Ash Content ppm			≤ 500		s 200 <i>E</i>		
Bulk Density g/cm ³			0,25 ~ 0,30		0,25 ~ 0,28		
Folding Strength		MPa	1,5 ~ 3,2	1,8 ~ 3,4	1,3 ~ 3;0	1,75 ~ 3,2	
Flexural Strength		MPa	1,0 ~ 2,5	1,5 ~ 3,0	1,0 ~ 2,5	1,5 ~ 3,0 €	
Thermal Conductivity 1.150 °C W/m°C			0,25	~ 0,35	0,20	0,20 ~ 0,30 <	
Working Temperatur	i≤ 400 ∠						
(Vacuum) °C			≥ 1.800		≥2.200 €		
(Inert Atmosphere) °C			≥ 3.200 <i>←</i>				
	Length (mm) Wide (mm)		1.500 - 1.800				
Plate Dimensions			1.000 - 1.300				
Dimensions	Thickness (mm)		20 - 350				
	Diameter (mm)		Ø200 – Ø1.500				
Cylinder/Tube Dimensions	Heigh (mm)		300 - 2.000				
Dimensions	Wall Thickness (mm)		30 - 120				



5/6

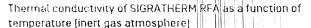


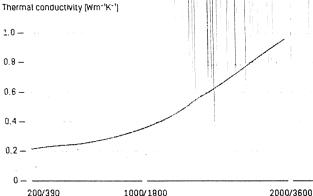
SIGRATHERM® RFA

Material: Graphite rigid felt Application: High-temperature insulation

Material data of SIGRATHERM® RFA

Typical properties	Units			RFA
Density	g/cm³			0.17
Compressive strength	MPa		ļ.,	1
Moisture absorption	%	1		< 1.0
Ash content	ppm			1000
Ash Content (Purified grad	e) PPm	and the second		< 20
Max. application temperature	°¢ (°F)	2000 (3600)	in vacuun	n or inert gas



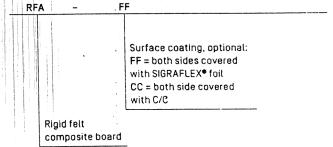


200/390



Temperature [°C/°F]

Order Information of SIGRATHERM RFA



Forms supplied

Thickness: 20/30/40/50 mm (0.78"/1.18"/1.57"/1.97") Customized thickness and surface coatings on request.

Graphite Materials & Systems | SGL CARBON GmbH Sales Europe/Middle East/Africa | felt-europe@sglcarbon.com Sales Americas | feit-americas@sglcarbon.com Sales Asia/Pacific | felt-asia@sglcarbon.com www.cfrc-and-felts.com | www.sglcarbon.com

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