



① fitted to outside diameter item 2 at the choice of manufacturer

Integral leak rate < 1×10^{-10} mbar l/s

Outgassing rate < 5×10^{-10} mbar l/s cm^2

pay attention to F-TG-QUA-de-Schweisstechnik-V004

UHV-suitable cleaning, an example can be found in the guideline F-TG-V6.1e and F-TG-V-6.3e

Details, also to the alternative materials can be found in F-DS-HEB-en-VC_0096_Detailed_Specification_Straight_Tubes

Welding classification	Quality level
DIN EN ISO 5817	
Vacuum weldings	-B-

Edges ISO 13715 $\begin{matrix} +0.3 \\ -0.1 \end{matrix}$ $\sqrt{Rz25}$

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GSF <small>Helmholtzzentrum für Schwerionenforschung GmbH Planckstrasse 1, 64291 Darmstadt</small>		Dimensions without tolerance indication <small>DIN ISO 2768-1-1 DIN ISO 2768-2-1:1991 DIN EN ISO 1302:2002</small>	Weight 10,3 kg Scale 1:1
Drawn 19.08.2024 Oliver Zurkan Checked 20.08.2024 Torsten Eberl Approved 21.08.2024 Reinhard Lotz	Name Oliver Zurkan Date 19.08.2024 Checked 20.08.2024 Approved 21.08.2024	Description Beamtube	Size A1
Drawing No. VC-1450932-A-000		Rev. -	Sheet 1 of 1