



Integral leak rate <math> < 1 \times 10^{-10}</math> mbar l/s

Outgassing rate <math> < 5 \times 10^{-10}</math> mbar l/s cm<sup>2</sup>

pay attention to F-TG-QUA-de-Schweisstechnik-V007

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\_0092\_Detailed\_Specification\_Bellow-V004

<b>Welding classification</b> DIN EN ISO 5817	Quality level
Vacuum weldings	-B-

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

Operating temperature: 20°  
 Installation position: horizontal  
 Axial movement per convolution +/- 3.1mm  
 Inside Diameter: 144.1mm  
 Outside Diameter: 189.9mm  
 Vacuum: inside

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Surfaces DIN EN ISO 1302:2002		-----Approved-----		
 Helmholtzzentrum für Schwerionenforschung GmbH Planckstrasse 1, 64291 Darmstadt		Dimensions without tolerance indication DIN ISO 2768-1-M DIN ISO 2768-2-K:1991 DIN EN ISO 13920-BF	Weight 2,4 kg	Scale 1:1
		Description Bellow-Unit		Size A2
Drawn	04.07.2025	EHEGER	Drawing No. VC-1451348-A-V03	
Checked	08.08.2025	ZURKAN	Rev. -	Sheet 1 of 1
Approved	22.09.2025	TEBERL		
FR				