

Grinding units

Simoloyer[®] CM01

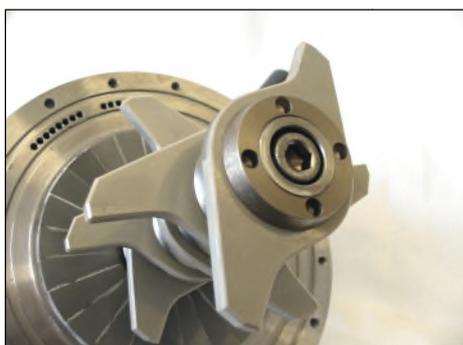
type SiN



grinding unit W01-2I-SiN



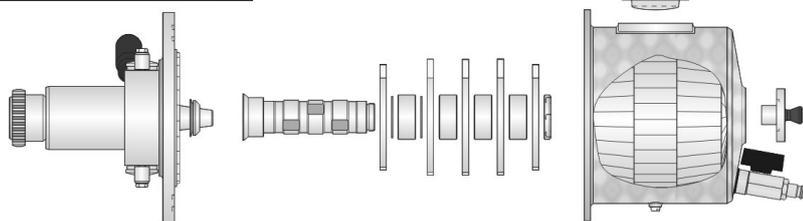
grinding unit W01-2I-SiN disassembled



rotor assembled on flange



drain-gratings and side-adapters
 with Si₃N₄ plating



Technical data		
extra features	chamber lined with Si ₃ N ₄ plates, rotor blades Si ₃ N ₄ , shaft covered with ceramic-coated bushes	
application	Fe-contamination free processing, in particular ceramic and composite materials	
size/type	W01-1I-SiN	W01-2I-SiN
net weight	12 kg	14 kg
nominal volume	0.8 liter	1.6 liter
nominal power	2.2 KW/l	1.35 kW/l
maximum relative velocity	1000 rpm	
cooling system pre-seal-unit	water, G ¹ / ₈	
cooling system flange	via vessel	
cooling system vessel	water, G ³ / ₈	
heating system vessel	no	
heating system flange	no	
atmosphere	inert gas or vacuum	
airlock system main port	NW45	
airlock system aux. port	NW18	
continuous ports Z01-Z04	no	
airlock system	DN40	
operation pressure	1 x 10 ⁻⁴ hPa - 2 bar	
operation temperature	RT - 40°C	
operation mode	batch (semi-continuous)	
material vessel	1.4301 with Si ₃ N ₄ lining	
material rotor	hardened steel / Si ₃ N ₄	
recomm. grinding media	ZrO ₂ fully stabilized	
loading rates:	(HEM, MA, RM)	
grinding media, ≤ ø5mm ¹⁾	1-2 kg	2-4 kg
product < 4mm ¹⁾	50-200g	200-400g
¹⁾ : depending on application		

technical data subject to alterations