

Grinding units W08** for Simoloyer® CM08

Types of grinding-units W08**					
standard type (81)	smaller unit (5 l)	comments		ports	
W08-8lm	W08-51m				
W08-8lm-SiN	W08-5lm-SiN	standard (batch-) processing		1x main port	
W08-8lm-THM	W08-5lm-THM			1x side port	
VV UO-01111- 1 111V1	W 08-3IIII-111WI	00-Jiiii-111ivi			
W08-08lm-s1		for semi-continuous processing		1x main port 1x side 4x tangential	
W08-8lm-s2	W08-51m-s2				
W08-8lm-s2-SiN		for auto-batch & batch processing		2x main ports	
W08-8lm-s2-THM				1x side port	

Special types:					
W08-8lh	heatable grinding-unit (heat sheets at vessel, cooling of bearing-flange)				
W08-8lm-Ni ²⁾	standard (batch-) processing		²⁾ : scheduled		
WUO-OIIII-INI	vessel and rotor coated with	coated with Ni-based wear-resistant coating		. scrieduled	
applications / features					
applications		HEM, MA, RM, processing under vacuum, inert-gas, air			
operation pressure ¹⁾	1x10 ⁴ mbar0,5 bar (overpressure; option: up to 2 bar overpressure)				
net weight	40-60kg [depending on type of grinding-unit (grinding-media excluded)]				
nominal volume	W08-8lm**: 8 litres (1,35 kW/l) W08-5lm**: 5 litres (2,2 kW/l)				
(nominal power)					
operation temperature	process temperature usually 20-50°C				
type THM	chamber-lining with WC-Co; rotor blades THM, shaft covered with THM-coated bushes for Fecontamination free processing, in particular carbide-, oxide-, and nitride- based hard-phased materials				
	contamination free processing, in particular carolide-, oxide-, and nitride- based nard-phased materials chamber lined with Si3N4 plates, rotor blades Si3N4 , shaft covered with ceramic-coated bushes for Fe-				
type SiN	contamination free processing, in particular ceramic and composite materials				
cooling system	vessel / bearing-flange / bearing support, connections vessel G½, connection bearing-flange/support: G3/8 cooling media: usually water/glycol-mixture (possible as well: oil) Separated cooling system of pre-seal unit from flange & vessel allows non-cooling (<80°C)or use of hot or cooled medium (HTB/TTB) in the double-jackets of flange & vessel (only for standard grinding-units)				
type TTB / HTB	Medium - High Temperature Operation, Reactive Milling, Bonding as well as Low Temperature Operation (only for standard types of grinding-units; TTB for W20**-THM/SiN upon inquiry) air-lock DN50 (tangential ports W08-8lm-s1: DN25-40)				
connections					
material vessel ¹⁾	stainless steel 1.4301 (in case of lining: see above)				
material rotor ¹⁾	stainless steel 1.4301 (in case of fining: see above) stainless steel 1.4301/Stellite®/THM/WC-Co/SiN				
product 1)	as-milled usually <150µm, depending on application < 3mm				
PBR ¹⁾	usually 1:10 1:20 [PBR = powder to ball ratio]				
grinding media ¹⁾	100Cr6 (standard)	options: stainless-steel, ZrO_2 , Si_3N_4 , $THM [\emptyset \le 3,5-5mm]$			
amount of grinding-	max. 40% of volume, usual				
media ¹⁾	W08-5lm*: 5-7,5kg				
1): depending on application					
examples:	(W08-8lm)	(W08-5lm)	(W08-8)	Im-THM, inside)	

technical data subject to alterations