

Grinding units W08** for Simoloyer® CM08



types of grinding-units W08**

standard units (8 l)	smaller units (5 l)	what for	ports
W08-8lm	W08-5lm	standard (batch-) processing	1x main, 1x side
W08-8lm-s1	8 liter only	semi-continuous processing	1x main, 1x side 4x tangential
W08-8lm-s2	W08-5lm-s2	auto-batch & batch processing	2x main, 1x side
W08-8lm-s5	8 liter only	standard (batch-) processing, advanced discharging processing	1x main, 1x side 2x discharging (main)
W08-8lm-SiN	W08-5lm-SiN	standard (batch-) processing, Si3N4 (SiN) or WC-Co (THM) interior	1x main, 1x side
W08-8lm-THM	W08-5lm-THM		
W08-8lm-s1-SiN	8 liter only	semi-continuous processing, Si3N4 (SiN) or WC-Co (THM) interior	1x main, 1x side 4x tangential
W08-8lm-s1-THM			
W08-8lm-s2-SiN	W08-5lm-s2-SiN	auto-batch & batch processing, Si3N4 (SiN) or WC-Co (THM) interior	2x main, 1x side
W08-8lm-s2-THM	W08-5lm-s2-THM		



applications / features

applications	HEM, MA, RM, processing under vacuum, inert-gas, air, also Hydrogen, Nitrogen etal.	
operation pressure	1x10 ⁻⁴ mbar...0,5 bar	(overpressure; option: up to 2 bar overpressure)
net weight	40-60kg	(grinding-media excluded)
nominal volume/power	20 litres/1.35 kW/l	10 litres/2.2 kW/l
operation temperature	process temperature 20-50°C (standard)	
type THM	chamber-lining WC-Co, rotor blades THM, shaft covered with THM-coated bushes for Fe-contamination free processing, particularly carbide-, oxide- nitride- based hard-phased materials	
type SiN	chamber-lining Si3N4 plates, rotor blades Si3N4, shaft covered with ceramic-coated bushes for Fe-contamination free processing, in particular ceramic and composite materials	
cooling / heating	<ul style="list-style-type: none"> vessel / bearing-flange G1/2, bearing support G3/8; cooling media water, water/glycol-mix, oil separated cooling (a) pre-seal unit and (b) flanges/vessel allow no-cooling (<80°C) or use of hot/cooled medium (HTB/TTB) in double-jackets flanges/vessel at standard grinding-units 	
type TTB / HTB	Low (TTB) - Medium - High Temperature Operation (HTB) during High Kinetic Processing	
connections	air-lock DN50, DN63 optional	(tangential ports W08-8lm-s1: DN40)
material vessel/rotor	stainless steel 1.4301/Stellite®/THM/WC-Co/SiN	
PBR/total load ratio	often 1:10 ... 1:20, max 40 vol.% recommended	(PBR = powder to ball ratio)
grinding media load	8-12kg (8l) / 5-7.5kg (5l), ø3,5-5mm, 100Cr6 (standard), stainless-steel, ZrO ₂ , Si ₃ N ₄ , THM	
product loading	most frequently 1,2-2 kg (8l) / 0,75-1.25kg (5l), starting particle size up to 3mm	

