

W01-1lm-HP | W01-2lm-HP - grinding units for Simoloyer® CM01 -



type -HP

W01-HP grinding units are equipped with a second pressure stage for high-pressure operation up to 10 bar particularly for mechano-chemical synthesis. Operation at highest care for the 5:10 bar inter-correlation between the two pressure stages.

technical data, dimensions [35]

size/type	W01-1lm-HP	W01-2lm-HP
net weight	13 kg	15 kg
nominal volume	1 liter	2 liter
nominal power	2.7 kW/l	1,35 kW/l
maximum relative velocity	10.9 m/sec	
cooling system pre-seal-unit	water, G $\frac{3}{8}$	
cooling system flange	via vessel	
cooling system vessel	water, G $\frac{3}{8}$	
heating system vessel	water/oil, G $\frac{3}{8}$	
heating system flange	via vessel	
atmosphere	vacuum, inert-gas, air	
airlock system main port	NW45	
airlock system aux. port	DN16KF	
continuous ports Z01-Z04	no	
airlock system	DN40	
operation nom.-pressure stg. (1)	1x10 ⁻⁴ mbar - 5 bar	
high-pressure stage (2)	1x10 ⁻⁴ mbar - 10 bar	
operation temperature	-20 – 150°C	
operation mode	batch processing	
material vessel	stainless steel 1.4301	
material rotor	stainless steel 1.4301/Stellite®/THM	
recommended grinding media	100Cr6, (1.4401)	
loading rates	HEM, MA, RM	
grinding media ≤ ø 5mm	1-2 kg	2-4 kg
product < 4mm	50-200 g	200-400 g

