

1.1 Technical Datasheet HM 3000

Mixing Vessel			
Total volume	3500	l	(3000 volume + 500 safety volume)
Useful volume	2550	l	(85% x 3000 volume)
Inner material		W. 1.4462	DUPLEX
Inner wall thickness	12	mm	
Inner surface finish	0,4	µm Ra	Mirror polished
Outer jacket material		St 37-2	Normal steel
Outer wall thickness	5	mm	
Insulation type		Ceramic fiber	Stainless Steel cover
Insulation thickness	60	mm	Max. Oil temp. 120 °C
Temperature sensors	2	PT 100	
Discharge	400	mm	x 1
Jet-Filter			
Connection	300	DN	
Filter surface	12,8	m ²	
Filter cartridges		Conical	PTFE coating
Expected lifetime	≥12≤18	months	7700 working h/year
Aspiration fan	1,5	kW	
Flow rate	1100	m³/h	
Generated depression	260	mBar	
Mixing Tools			
Tools	6	Stages	Clockwise
Material		AISI 304	Stainless Steel
Coating	0,5	mm	HVOF
Hardness	72	HRC	Tungsten carbide
Revolution speed	63 - 625	rpm	
Tip speed	5-50	m/s	
Main Drive			
Brand		WEG	
Type		AC	Asynchronous, TEFC
Power	355	kW	
Drive			VFD
Cooling			Forced ventilated
Efficiency class		IE3	Energy saving motor
Protection class		IP 55	
Insulation		Class F	
Cover		Dust hood	

1.2 Technical Datasheet KM 9000 H

Cooling Vessel			
Total volume	9000	l	
Useful volume	7650	l	
Inner wall material		W. 1.4541	AISI 321
Inner wall thickness	8	mm	
Inner surface finish	0,4	µm Ra	Mirror polished
Outer jacket material		St 37-2	Normal Steel
Outer wall thickness	8	mm	
Outer surface finish		painted	chemical resistant paint
Temperature sensors	1	PT 100	
Discharge	square 450x450	mm	x 2 (knife gate type)
Jet-Filter			
Flanged Connection	300	DN	
Filter surface	12,8	m ²	
Filter cartridges		Conical	PTFE coating
Expected lifetime	≥12≤18	months	7700 working hr/year
Aspiration (UBQ)	300	DN	
Mixing Tools			
Tools	5/10	Arms/Paddles	
Material		AISI 304	Stainless Steel
Revolution speed	45-90	rpm	
Tip speed	3,5-7	m/s	
Main Drive			
Brand		SEW Eurodrive	
Type		AC	Asynchronous, TEFC
Power	90	kW	
Drive			VFD
Cooling			Forced ventilated
Efficiency class		IE3	Energy saving motor
Protection class		IP 55	
Insulation		Class F	
Cover		Dust hood	
Transmission			
Type			Gearbox
Shaft bearing	2		Roller bearings
Coupling			Flexible
Shaft Sealings			
Type		Air purge	PTFE + Glass Fiber