

VELP Scientifica Dispersing Tools

		A00000478	A00000462	A00000463	A00000464	A00000479	A00000480	A00000469	A00000472	A00000473
		D20-S20C-P-R20S	20-S20F-P-R20C	D20-S20FP-R20E	D20-S20F-P-R20M	D20-S25C-P-R25C	D20-S25F-P-R25E	D20-S25F-P-R25M	D20-S40C-P-R25C	D20-S55-P-R55
										
Volume range(H₂O)	ml	50 - 2000	50 - 2000	50 - 2000	50 - 2000	100 - 2500	100 - 2500	100 - 2500	1000 - 4000	0.2 - 50
Stator/rotor diameter	mm	20/15	20/15	20/15	20/15	25/18	25/18	25/18	40/18	5/3.2
Stator/rotor gap	mm	0.5	0.5	0.5	0.5	0.5	0.5	0.5	8	0.4
Immersion depth	mm	40-175	40-175	40-175	40-175	40-175	40-175	40-175	40-175	10-50
Max. speed	rpm	25000	25000	25000	25000	25000	25000	25000	20000	25000
Max. circumferential speed	m/s	19.6	19.6	19.6	19.6	23.6	23.6	23.6	18.8	4.2
Ultimate fineness, emulsions	µm	1-10	1-7	1-7	1-7	1-10	1-5	1-5	-	1-10
Ultimate fineness, suspensions	µm	10-50	5-40	5-40	5-40	15-50	5-25	5-25	-	10-50
Max. allowable working temperature	°C	180	180	180	180	180	180	180	180	180
Materials in contact with the medium		AISI 316L, PTFE	AISI 316L, PTFE	AISI 316L, PTFE	AISI 316L, PTFE	AISI 316L, PTFE	AISI 316L, PTFE	AISI 316L, PTFE	AISI 316L, PTFE	AISI 316L, PTFE

VELP Scientifica Dispersing Tools Applications

	A00000478 D20-S20C-P-R20S 	A00000462 20-S20F-P-R20C 	A00000463 D20-S20FP-R20E 	A00000464 D20-S20F-P-R20M 	A00000479 D20-S25C-P-R25C 	A00000480 D20-S25F-P-R25E 	A00000469 D20-S25F-P-R25M 	A00000472 D20-S40C-P-R25C 	A00000473 D20-S5S-P-R5S 
FOOD & FEED	Foamy mixtures (Ice cream, butter, margarine)			X			X		
	Homogenization of foods (smoothies, beverages)	X	X		X			X	
	Spreadable creams	X		X		X	X		
	Stuffings for food (meat, vegetables)	X	X		X			X	
	Soluble powders (tea, coffee, milk)		X			X			
PHARMA	Suspensions/emulsions for infusion/injection		X			X			
	Tablet Coatings	X		X			X		
	Homogenization/crushing of tablets	X			X				
	Ointments and creams		X	X		X	X		
	Lip balm	X		X			X		
COSMETIC	Soap, shampoo, conditioner		X	X		X	X		
	Creams	X	X	X		X	X		
	Cosmetics (lipstick, mascara, cosmetic dyes)	X		X			X		

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LIFE SCIENCE	Sample preparation for DNA analysis	x	x						x
	Dispersions of organic tissues	x	x						x
	Preparation of organic samples	x	x						x
	Water analysis			x		x			
	Tobacco leaves homogenization	x	x		x				
CHEMICAL	Preparation of pigments, inks	x		x	x	x	x		
	Display liquid crystals			x		x			
	Preparation of paints	x		x	x	x	x		
	Ceramics	x			x				
	Ceramic paste	x			x				
	Textile fibres	x	x		x				
	Biodiesel			x	x	x	x		
	Dispersion of petroleum derivatives (e.g., asphalt)	x			x		x		