

VELP Scientifica Dispersing Tools

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-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								



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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	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	
COSMETIC	Lip balm	X			X		X		
	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	