



<b>Volume range(H<sub>2</sub>O)</b>	ml	50 - 2000	50 - 2000	50 - 2000	50 - 2000	100 - 2500	100 - 2500	100 - 2500	1000 - 4000	0.2 - 50
<b>Stator/rotor diameter</b>	mm	20/15	20/15	20/15	20/15	25/18	25/18	25/18	40/18	5/3.2
<b>Stator/rotor gap</b>	mm	0.5	0.5	0.5	0.5	0.5	0.5	0.5	8	0.4
<b>Immersion depth</b>	mm	40-175	40-175	40-175	40-175	40-175	40-175	40-175	40-175	10-50
<b>Max. speed</b>	rpm	25000	25000	25000	25000	25000	25000	25000	20000	25000
<b>Max. circumferential speed</b>	m/s	19.6	19.6	19.6	19.6	23.6	23.6	23.6	18.8	4.2
<b>Ultimate fineness, emulsions</b>	µm	1-10	1-7	1-7	1-7	1-10	1-5	1-5	-	1-10
<b>Ultimate fineness, suspensions</b>	µm	10-50	5-40	5-40	5-40	15-50	5-25	5-25	-	10-50
<b>Max. allowable working temperature</b>	°C	180	180	180	180	180	180	180	180	180
<b>Materials in contact with the medium</b>		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	A00000462	A00000463	A00000464	A00000479	A00000480	A00000469	A00000472	A00000473
<b>FOOD &amp; FEED</b>	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		
<b>PHARMA</b>	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	
<b>COSMETIC</b>	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	

## 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
<b>LIFE SCIENCE</b>	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			
<b>CHEMICAL</b>	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	