



Single-Use Mixing System

Equipment Specifications									
Volume	50L	100L	200L	500L	1000L	1500L	2000L	2500L	3000L
Equipment Width (mm)	400	500	635	835	1040	1275	2085	2160	2100
Equipment Length (mm)	400	500	635	835	1040	1275	1120	1220	1200
Equipment Height (mm)	370	450	635	835	960	1005	1000	1020	1300
Geometry	The bottom outlet is designed with the lowest angle to facilitate the drainage								
Enclosure Material	SS304								
Vessel Surface Finish	RA ≤ 0.8 0.8µm								
Mobility	Mounted (4) clean room casters and push handles								
Power Requirements	120 - 230 VAC, 50/60 Hz, 1200 Watts								
IP Code	IP45								
Agitation									
Agitation Direction Control	Magnetic Levitation								
Motor Speed (Maximum Speed)	600 RPM								
Liquid Control									
Onboard Pumps	(2) Pumps with Bi-Directional Stepper Motors								
Pump Head Type	Peristaltic, Flip-Top Pump Heads								
Pump Speed Range	0.2 - 200 RPM								
Tubing Compatibility	L/S -13, -14, -16, -25, -17, -18								
Process Analytics									
Temperature	(1) RTD Sensor								
Temperature Range	20 to 60°C ± 0.15°C								
pH	(1) pH Probe								
pH Range	3 -10								
Conductivity	(1) Conductivity Probe								
Conductivity Range	0 - 100 mS/cm								
DO*	(1) DO Probe								
DO Range*	0 to 100% air, 2.5%*								
Weight Measurement	(4) Integrated Load Cells								
Control Unit									
Control Panel	Integrated								
E - Stop	Integrated Safety Circuit								
Communication Ports	USB, Ethernet, Profibus								



Single-Use Mixing Bags

Product Specification	
Bag Volume	100 - 2000L, customized options available
Operating Temperature	-45°C ~ 45°C
Sterilization Method	Gamma Ray Radiation (25-40 kGy)
Packaging Form	Double Layer PE Bag vacuum packaging
Membrane Material Information	
Structure	LDPE, EVOH, ULDPE (liquid contact layer)
Thickness	0.325 mm
Compliance	ISO 10993-4: Hemolysis ISO 10993-5: Cytotoxicity ISO 10993-6: Implantation Test ISO 10993-10: Irritation & Sensitation Tests ISO 10993-11: Acute Systemic Toxicity Test USP <85>: Bacterial Endotoxions - LAL Test USP <88>: Biological Reactivity Testing, in vivo, Class VI USP <661>: Plastic Containers European Pharmacopoeia Test Ch. 3.1.5 ADCF
Packaging Form	Double Layer PE Bag vacuum packaging