

Mobius® Power MIX 2000 Single-Use Mixer

High performance mixing technology and ergonomic design features.

The **Mobius® Power MIX 2000** combines high performance mixing technology with design features that make it easy to use. The impeller design and motor are based on our magnetically coupled NovAseptic® mixing technology, a proven mixing technology in stainless steel tanks. The system efficiently mixes the most challenging buffers, media and biopharmaceutical ingredients.

Features and benefits:

- Powerful magnetically coupled impeller designed to efficiently mix the most challenging buffer, media and biopharmaceutical ingredients
- Broad working volume, from 300 L to 2200 L, for processing flexibility
- Double doors that open to one half the mixer's diameter and easily accessible off-set drain for easy bag loading
- Optional integrated hoist for powder delivery
- Integrated load cells and temperature sensor
- Two in-process pH measurement options: Probe Port for easy insertion of a re-usable standard PG 13.5 threaded probe or installed, pre-calibrated and pre-sterilized Hamilton OneFerm® Single-Use pH Sensor
- Closed, sterile, and zero deadleg sampling directly from the mixing bag
- Backed by industry-leading technical support and services



Specifications

Materials of Construction	
Carrier	
Tank	304L stainless steel
Stand	304L stainless steel
Latch	18-8 stainless steel
Casters	304L stainless steel
Dimensions L X W	63.75 x 63.75 inches (1619,3 x 1619,3 mm)
Height without hoist	86.7 in (2210mm)
Height with hoist	133.2 in (3384mm)
Weight	lb (kg)
With hoist and lid	2100 lb (953kg)
Fluid volume in jacket (approx.)	8 gal (30L)
Heat transfer area in jacket (approx.)	57.7 (5.4) sq. ft. (5.36 sq. m.)
Maximum working pressure	150 psi
Stainless Steel Jacketed Mixers ASME U-1 code stamped	Optional
Integrated Load Cells	Mettler-Toledo 0970 RingMount Load Cells
Ingress protection rating	IP68
RTD Temperature Sensor OMEGA RTD 809	Standard
Storage	0 – 40 °C non-condensing environment
Operating temperature	4 – 60 °C non-condensing environment
Motor	
Weight lb (kg)	30.4 lb (13.8 kg)
Electrical (max)	0.55 kW
Design speed (max)	380 rpm
<i>Maximum operating speed has to be validated for each process and is dependent on volume, viscosity, etc.</i>	
Cable length	12 ft (3.65m)
Ingress protection rating	IP55
Regulatory information	CSA, CE, UL
Control Box	
Materials of construction	304L stainless steel
Weight lb (kg)	21 lbs (9.5kg)
Electrical	120V, 60Hz,15A or 230V, 50Hz, 10A
Cable length in (cm)	15 ft (4.57m)
Ingress protection rating	IP 65
Regulatory information	CE, UL Compliant
Display Box (with temperature sensor and load cell display)	
Materials of construction	304L stainless steel
Weight	Permanently mounted to carrier
Electrical	120 / 230 V
Cable length in (cm)	15 ft (4.57m)
Ingress protection rating	IP55
Regulatory information	CE, UL compliant

Specifications

Materials of Construction	
Mixer Container Assembly	
Mix container	PureFlex™ Plus Film
Adapters	SterilEnz™ LDPE
Luer plugs	Kynar® Polyvinylidene Fluoride
Connectivity	CPC® Polysulfone
Tubing	Silicone
Pinch clamp	PVDF
Impeller	Neodymium magnets encased in polypropylene
Powder port	Polyethylene
TC gasket	Silicone
TC clamp	Nylon
TC end cap	Polypropylene
Cup	HDPE
Probe port	HDPE
O-ring	Silicone
Plug	Polypropylene
Needle-free sample port	HDPE
O-ring	Silicone

Ordering Information

Description	Certification	Top Ports			Part Code
		4 inch Powder port	¾ inch	1 inch	
Container Assembly					
Mobius® Power MIX 2000 Assembly, Bronze, PureFlex™ Plus	Bronze	1	1	2	MXRA2000BPL1
Mobius® Power MIX 2000 Liner, Bronze, PureFlex™ Plus	Bronze	n/a	n/a	n/a	MXRL2000BPL1
Mobius® Power MIX 2000 Assembly, Gold, PureFlex™ Plus	Gold	1	1	2	MXRA2000GPL1

Please note: All mixer assemblies are provided as one packs.

Ordering Information

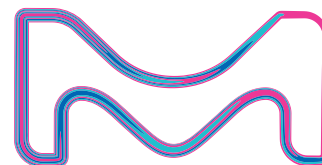
Description	Qty/Pk	Catalog No.
Mobius® Power MIX 2000 Carriers		
2000 L jacketed carrier, hoist, temp sensor, load cells, ASME cert.		MXRJ2000HTLA
2000 L jacketed carrier, hoist, temp sensor, load cells		MXRJ2000HTL
2000 L jacketed carrier, temp sensor, load cells, ASME cert.		MXRJ2000TLA
2000 L jacketed carrier, temp sensor, load cells		MXRJ2000TL
Mobius® Power MIX Electronics		
Motor		MXRMTR1K2K
Control box, 120V		MXRCTRLB2K
Control box, 230V		MXRCTRLB2K2
Electrical power cords (country specific)		
North America, 120 V (15A)		MXRPCNA1K2K
North America, 120 V (20A)		MXRPCNA125
Europe, 230 V (10A)		MXRPCEU
Argentina, Australia, Colombia, New Zealand, Paraguay, Uruguay		MXRPCAACNPU
Denmark		MXRPCDN
Israel		MIXRPCIS
Chile, Ethiopia, Italy, 250V (10A)		MXRPCCEI
Bangladesh, Burma, Pakistan, South Africa, Sri Lanka		MXRPCBBPSS
Switzerland		MXRPCSZ
<i>Display box with temperature sensor and load cell displays is standard and provided with the carrier.</i>		
Please note: With the exception of NA, two identical power cords must be purchased - one power cord for the Control Box and one power cord for the Display Box.		
In NA, the two power cords that need to be purchased are MXRPCNA1K2K and MXRPCNA125.		
Spare Parts		
Quick-connect coupling, male, ¾ inch NPT		MIXSST0109442
Quick-connect coupling, female, ¾ inch NPT		MIXSST0109441

To place an order or to receive technical assistance

In the U.S. and Canada, call toll-free **1-800-645-5476**

For other countries across Europe and the world, please visit: emdmillipore.com/offices

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