°M Warmer System

The pictures below are not to scale.

°M WARMER
Disposable Warming Unit

POWER PACK / POWER PACK+
Rechargable Battery

°M STATION
AC Power

DIMENSIONS	
Size	• °M Warmer: 5 cm (W); 10 cm (L); 2 cm (H) • Power Pack / Power Pack+: 9 cm (W); 18 cm (L); 3.5 cm (H); cable length; 120 cm • °M Station: 12 cm (W); 24 cm (H); 5.8 cm (D); cable length (to °M Warmer) 275 cm • AC charger: 7.5 cm (W); 11.7 cm (L); 4.4 cm (H); cable length 168cm • DC charger: 6.6 cm (W); 10.7 cm (L); 3.7 cm (H); cable length (to power source) 135 cm; cable length (to °M Warmer) 54 cm
Volume	• °M Warmer: 0.1 L • Power Pack / Power Pack+: 0.57 L • °M Station: 1.67 L • AC Charger: 0.39 L • DC Charger: 0.26 L
Weight	• °M Warmer: 110 g • Power Pack: 650 g • Power Pack+: 710 g • °M Station: 1,430 g • AC Charger: 250 g • DC Charger: 560 g
ENVIRONMENTAL	
Continuous Operation	• Relative humidity RH: 15-95% • Pressure: 30-106kPa • Temperature: 0°C – +40°C
Storage and Transportation	• Relative humidity RH: 15-95% • Pressure: 30-106kPa • Temperature: -20°C – +50°C
Shock and Vibration	EN 1789:2007 + A2 Sec. 6.4
Electrical Compliance	EN 60601-1

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OPERATING PARAMETERS	
Max Normothermic Flow Rate (input temp. of 5°C, output temp. of 36°C)	150 ml/min
Max Fluid Warming Volume on One Fully Charged Power Pack / Power Pack+ (output temp. of 36°C)	Input temperature 5°C: • Power Pack: 1.5 L • Power Pack+: 2 L Input temperature 21°C: • Power Pack: 3 L • Power Pack+: 4 L
Output Target Temperature Range	39°C +/- 3°C
Priming Volume	3.5 ml with valves and tubing
Maximum Inlet Pressure	300mmHg
LED (on battery heating unit)	Green: solid – °M Warmer is within target temperature Green: flashing – °M Warmer is below target temperature Red: flashing – over heat alarm
SINGLE-USE °M WARMER UNIT	
Sterilization	E-beam, sterile fluid path
RECHARGEABLE POWER PACK / POWER PACK+	
Output Voltage	21.6 V
Standard Recharge Time	• Power Pack: 2.5 hours • Power Pack+: 3.25 hours
Standard Charger Input Voltage	• AC Charger: 100-240 VAC • DC Charger: 10-30 VDC
Electrical Compliance	EN 60601-1
AC POWERED °M STATION	
Input Voltage	100-240 VAC
Input Current	7.0-4.3 A
Input Frequency	50-60 Hz
Output Voltage	20.5 VDC
Output Current	13.5 A
Electrical Compliance	EN 60601-1
IP CLASSIFICATION	
Degree of Protection Against Harmful Ingress of Subjects/Water:	**°M Warmer / Power Pack / Power Pack+: IP54** IP5X = dust-protected. IPX4 = protected against splashing water **°M Station: IP33** IP3X = protected against solid foreign objects of 25 mm Ø and greater. IPX3 = protected against spraying water

NATO STOCK NUMBERS (NSN)

CATEGORY	ITEM NUMBER	NSN	DESCRIPTION
Starter Kits	MWS001	6515-22-631-5316	Starter Kit (1 charger, 1 rechargeable Power Pack & 5 single use °M Warmers)
	MWS002	6515-22-635-2850	Starter Kit+ (1 charger, 1 rechargeable Power Pack+ & 5 single use °M Warmers)
Power Packs	MWS101	6515-22-631-8211	Power Pack
	MWS102	6515-22-635-2848	Power Pack+
Warmers	MWS201	6515-22-631-5318	Pack of 5 single use °M Warmers for the °M Warmer System
Chargers	MWS301	6515-22-631-5885	100-240 VAC charger kit for Power Pack (°M Warmer System) with 4 AC adaptors and cable
	MWS302	6515-22-631-7330	10-30 VDC charger kit for Power Pack (°M Warmer System)
°M Station	MWS401	6515-22-635-9513	AC powered °M Station
	MWS421		Pole adaptor, DIN
	MWS422		Pole adaptor, DuoFlex

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