

Rythmic™ Evolution

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Reference	KP5.04.125.4 Rythmic™ Evolution (blue) KP5.04.136.4 Rythmic™ Evolution (blue rechargeable) KP5.04.261.3 Mini Rythmic™ Evolution Lockable (blue) KP5.04.265.3 Mini Rythmic™ Evolution Lockable (blue rechargeable) KP5.04.141.4 Rythmic™ Evolution Organiser 500 (blue) KP5.04.144.5 Rythmic™ Evolution Organiser 501 (blue rechargeable)
Delivery modes	- Continuous - Bolus only - Continuous + bolus - Programmed Automatic Bolus (PAB) with combined PCA
Flow rate and Accuracy	0.1 to 100 ml/hr (configurable maximum rate) at +/- 5%
Programming units Concentration	ml/mg/µg 0.1 to 99.9 mg/ml and 0.1 to 999.9 µg/ml
Volume to infuse	1 to 9999 ml
Bolus dose	0 or from 0.1 to 60 ml with 0.1 ml increment
Bolus flow rate	100 ml/h, adjustable from 50 to 100 ml/h with 10 ml/h increment
Lockout interval	0 to 999 minutes
Special functions	Protocol libraries (60 protocols per library) - Dose limit / x hours and Bolus limit / x hours - Loading dose - Clinician bolus override - Mandatory priming (enabled, warning only, disabled) - Automatic priming through the pump - Lockable pump keyboard
Therapy monitoring	Recording of patient pain scores with visual analogue scale (VAS) - VAS available in the pump history - Printable and computer downloadable - Ready to Connect to www.micrelcare.net for therapy monitoring through the web
KVO	0.1 to 2.0 ml/h
Automatic restart after occlusion release	Yes
Safety features	Air in line eliminator filter - Free flow protection - Programming within protocol limits - Lockable protective cover for drug container - Code protected stop of infusion
Alarms & warnings	Occlusion (low 0.8 bar, middle 1.2 bar, high 1.6 bar) - Near end and end of infusion - Low and depleted battery - Dose limit, bolus limit - Open mechanism - Preventive maintenance warning
Access code levels	3
Programming	Protocol libraries programmed with 'Rythmic™ Evolution Therapy Manager' computer software Direct programming on the pump possible
History, infusion graph / printout and PC download	Yes, including 6500 time stamped events event log - 'Plug and play' print facility
Power supply	100 to 240 V, 50-60 Hz (with optional adaptor KS5.01.615.4)
Preventive maintenance	Every 3 years



Includes bolus, battery, carrying bag & keys
(carrying bag applies for Rythmic Evolution and Mini Rythmic Evolution models)

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DEHP free set range

Rythmic Administration Set range for Rythmic™ Evolution systems			
Mini Full Set 100 mL KE1.EE.177.9		Spike Set S KM1.EE.155.9	
Full Set 200 mL KE1.EE.185.9		Spike Set S Y KM1.EE.187.9	
Y Mini Full Set 100 mL KE1.EE.195.9		Short Set 100 mL KE1.EE.158.9	
Y Full Set 200 mL KE1.EE.196.9		Valve Extension Set KM1.EE.141.8	
Spike Set KM1.EE.099.1		Valve Extension Set with filter 0,2 um KE1.EE.220.1	

Accessories for Rythmic™ Evolution Systems					
	Carrying bag for Rythmic™ Included in all Rythmic™ Evolution systems KM1.YY.415.2		Carrying bag 500 ml for Rythmic™ and IP Connect KM1.YY.318.2		Mini Rythmic™ Bag 500 ml KM1.YY.365.1
	Mini Rythmic™ Bag Included in all Rythmic™ Evolution systems Blue KM1.YY.400.1		Disposable Carrying bag for Mini Rythmic™ KM1.YY.566.1		Banana carrying bag 200 ml for Mini Rythmic™ KM1.YY.506.2
	IP Connect Pack nc KP5.04.259.2		Evolution Bolus Handset KS5.04.505.2		Micrel Power Adaptor nc (Available also UK and USA Nema) KS5.01.615.4
	Pole Clamp mini Rythmic™ KS5.04.017.5		Rythmic™ holder with Pole Clamp KS5.01.430.3		Pole Clamp Rythmic™ 500/501 KS5.01.524.3

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