Rythmic™ Evolution

PRODUCT INFORMATION

Reference	**KP5.04.125.4**	Rythmic™ Evolution (blue)	**KP5.04.144.5**	Rythmic™ Evolution Organiser 501 (blue rechargeable)
	KP5.04.136.4	Rythmic™ Evolution (blue rechargeable)	**KP5.04.269.1**	Mini Rythmic™ Evolution Lockable (blue rechargeable) UK
	KP5.04.261.3	Mini Rythmic™ Evolution Lockable (blue)	**KP5.04.190.1**	Rythmic™ Evolution (blue rechargeable) UK
	KP5.04.265.3	Mini Rythmic™ Evolution Lockable (blue rechargeable)	**KP5.04.151.5**	Rythmic™ Evolution Organiser 501 (blue rechargeable) UK
	KP5.04.141.4	Rythmic™ Evolution Organiser 500 (blue)	**KP5.04.186.1**	Rythmic™ Evolution (blue rechargeable, No key) UK

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/hr, adjustable from 50 to 100 ml/hr with 10 ml/hr 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/hr
Automatic restart after occlusion release	Yes
Safety features	Air in line elimination 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
Languages	Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Lithunian, Norwegian, Polish, Portuguese, Russian, Serbian, Slovenian, Spanish, Swedish
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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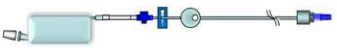
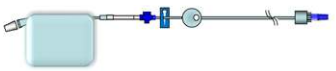
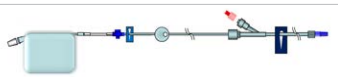
DEHP free set range

Rythmic™ Administration Set range for Rythmic Evolution Systems

Mini Full Set 100 mL KE1.EE.177.0		Spike Set S KM1.EE.155.1	
Full Set 200 mL KE1.EE.185.1		Spike Set S Y KM1.EE.187.2	
Y Mini Full Set 100 mL KE1.EE.195.1		Short Set 100 mL KE1.EE.158.0	
Y Full Set 200 ml KE1.EE.196.0		Luer Set KE1.EE.197.0	
Spike Set KM1.EE.099.2		Valve Extension Set with filter 0,2 um KE1.EE.220.1	

Accessories for Rythmic™ Evolution Systems

Rythmic™ carrying bag
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

KM1.YY.400.1

Rythmic™ XS Carrying Shoulder Bag single use

KM1.YY.566.1

Rythmic™ XS Carrying Waist Bag 250 mL

KM1.YY.506.2

IP Connect Pack

KP5.04.259.2

Rythmic™ Evolution Bolus Handset

KS5.04.505.2

Rythmic™ Power Adaptor plug type C (EU) (Available also UK and USA Nema)

KS5.01.615.4

Mini Rythmic™ Pole Clamp

KS5.04.017.5

Rythmic™ holder with Pole Clamp

KS5.01.430.3

Rythmic™ Organizer Pole Clamp

KS5.01.524.3

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