# Rythmic™ Evolution

PRODUCT INFORMATION

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|---|---|---|---|---|
| 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 |

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|---|---|
| Delivery modes | - Continuous<br>- Bolus only<br>- Continuous + bolus<br>- 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<br>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<br>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

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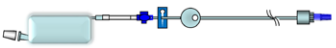
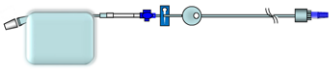
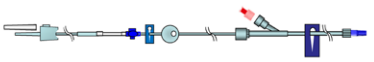
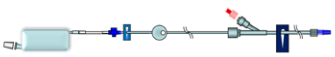
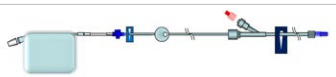
|---|---|---|---|
| Mini Full Set 100 mL<br>KE1.EE.177.0 |  | Spike Set S<br>KM1.EE.155.1 | |
| Full Set 200 mL<br>KE1.EE.185.1 |  | Spike Set S Y<br>KM1.EE.187.2 |  |
| Y Mini Full Set 100 mL<br>KE1.EE.195.1 |  | Short Set 100 mL<br>KE1.EE.158.0 | |
| Y Full Set 200 ml<br>KE1.EE.196.0 |  | Luer Set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