

# TECHNICAL SPECIFICATIONS

## Technical Specifications

<b>Fill Volume:</b>	100 mL + 10 mL optional overfill 275 mL + 10 mL optional overfill
<b>Flow Rate Accuracy:</b>	+/- 15% of nominal flow rate
<b>Dimensions:</b>	100 mL Infuser = 13 cm x 7 cm 275 mL Infuser = 19 cm x 7 cm
<b>Weight:</b>	100 mL Infuser = 180 g (unfilled) 275 mL Infuser = 240 g (unfilled)
<b>Positive Pressure:</b>	6 psi nominal / 310 mmHg
<b>Infusion Sets:</b>	Slow-flow: 0.6, 0.8, 1.5, 2.0, 4.0, 5.0, 8.0 mL/hr Fast-flow: 50, 100, 200, 250 mL/hr
<b>Fluid Path Materials:</b>	Slow-flow (< 20 mL/hr): polyethylene, polypropylene, silicone, butyl rubber, nitrile rubber, PVC, acrylic, PTFE, cellulose acetate, glass. Latex-free. Contains DEHP.  Fast-flow ( $\geq$ 20 mL/hr): polyethylene, polypropylene, silicone, butyl rubber, nitrile rubber, PVC, acrylic. Latex-free. DEHP-free.
<b>Operating Temp:</b>	The beeLINE motIV is calibrated to deliver solution at the labeled nominal flow rate when the temperature of the infusate at the distal Luer is 86°F / 30°C (slow-flow infusion sets) and 72°F / 22°C (fast-flow infusion sets). Flow rate increases approximately 1% per 1°F / 0.56°C increase in temperature.
<b>Fluid Viscosity:</b>	The beeLINE motIV is calibrated using 5% Dextrose in Water (slow-flow infusion sets) and 0.9% Normal Saline (fast-flow infusion sets) as the infusate. Flow rate increases as fluid viscosity decreases.
<b>Head Height:</b>	The beeLINE motIV is calibrated with the infuser 18" / 45.7 cm below the infusion site at the patient. Flow rate decreases approximately 6% for every 10" / 25.4 cm that the infuser is lowered.
<b>Visual Alerts:</b>	Graduation marks at 5 mL intervals to allow monitoring of infusion status. Clear polypropylene barrel allows for visualization of reservoir contents.

beeLINE   
motIV



McKinley

**McKinley Medical, LLLP**  
4080 Youngfield Street  
Wheat Ridge, Colorado 80033 USA  
800.578.0555 (Continental U.S.A.)  
303.420.9569 • Fax: 303.420.4545  
www.mckinleymed.com

**McKinley Medical (UK) Ltd.**  
Blackpool Technology Management Centre, Unit 12  
Faraday Way • Blackpool, Lancashire FY2 0JW  
United Kingdom  
Phone: +44 (1253) 440066  
Fax: +44 (1253) 440060

CE1275

Authorized Representative: Priory Analysts, Ltd., PO Box 4030, Milton Keynes, MK13 0ZG UK CAUTION: Federal (USA) law restricts this device to sale by, or on the order of, a physician. © 2003 by McKinley Medical. All rights reserved. Beeline & motIV are registered trademarks of McKinley Medical. The mountain & bee logos are registered trademarks of McKinley Medical. U.S. Patent D453,830. PN 203136 Rev AA 10/03



# FEATURES

Features of the beeline motiv:

- 100 mL and 275 mL syringe reservoirs:  
*For delivery of medication regimens up to 7 days.*
- Wide range of flow sets:  
*Designed specifically for antibiotic, chemotherapy and pain management applications.*
- Positive pressure infuser with calibrated flow control sets:  
*Eliminates need for IV poles, roller clamps or drop counting. Improves compliance and increases clinical efficacy, in the hospital or at home.*
- 5 mL graduation marks:  
*Improves patient monitoring.*
- Rigid polypropylene reservoir:  
*Reduces concerns about bursting or damage.*
- 6 psi nominal pressure:  
*Helps maintain catheter patency.*
- Freedom from cleaning and calibration:  
*Improves the value and ease of infusion therapy.*
- No alarms or programming steps required:  
*Reduces training and simplifies therapy.*



beeline motiv  
275 & 100



The beeline motiv combines the simplicity of a gravity drip system with the accuracy of an infusion pump.

#### Quality Care Options

All beeline systems feature large volume polypropylene syringe reservoirs. The beeline disposable syringe infuser significantly reduces the possibility of a rupture and provides safety and reliability; important considerations in any infusion therapy setting. Because it is capable of holding both small and large volumes, it gives health care professionals flexibility in using one infusion system for multiple flow requirements. Providers can confidently prescribe either short or long-term medication regimens, or any duration in-between.

#### Simplicity and Safety

When evaluating infusion systems, a primary question becomes, "How simple is it to use?". Simplicity is paramount to prescription compliance. All beeline systems are "patient focused" in their ease of use. Complicated programming steps have been eliminated resulting in less training for health care professionals, patients and caregivers. Within minutes a new user is able to learn and master the system. The benefits of the beeline approach become clear day after day, as there is no cleaning or calibration necessary.



*"The first disposable syringe infuser capable of both short-term and multi-day medication administration."*

#### Accuracy

By combining a patented, drive-mechanism with calibrated infusion sets, beeline delivers highly accurate dosing from 30 minutes up to 7 days. The easy to read 5 mL graduation marks improve patient monitoring.

#### Flexibility and Portability

This positive pressure infuser, with calibrated flow control sets, eliminates the need for IV poles, roller clamps or drop counting. The beeline motiv is designed with the idea that a home is not a hospital. The compact unit may be taken with the patient inconspicuously, thus improving their quality of life. Providers are assured of patient compliance and increased clinical efficacy.

#### Medicine Regimen Choice

Health care professionals demand versatility and reliability. The beeline motiv delivers a system ideal for chemotherapy protocols, antibiotic infusion and acute or chronic pain management.



**McKinley Medical, LLLP**  
800.578.0555 (Continental U.S.A.)  
Phone: 303.420.9569 • Fax: 303.420.4545  
**McKinley Medical (UK) Ltd. United Kingdom**  
Phone: +44 (1253) 440066 • Fax: +44 (1253) 440060

MULTI-VOLUME RESERVOIRS



PORTABLE

