EZ FLOW™
ELASTOMERIC PUMP

IMed™ Products

# Flow Rate Influencing Factors


IMS
INTEGRATED MEDICAL SYSTEMS

EZ FLOW™
ELASTOMERIC PUMP

Certain factors may impact the flow rate which can result in longer or shorter infusion times during treatment. This information sheet outlines these factors and offers helpful handling instructions. When filled to labeled volume, EZ-FLOW™ Elastomeric Pump accuracy is 15% of the labeled flow rate when delivering 0.9% normal saline as the diluent at 73°F.

| Flow Rate Influencing Factor | Handling Instructions |
|---|---|
| **Temperature**<br>EZ-FLOW™ fluid reservoir is calibrated to work at room temperature (73°F +/- 3.6°F). | • Avoid placing the pump under covers or blankets.<br>• Avoid situations that can result in excessive temperature changes to the fluid reservoir.<br>• Avoid exposing the pump to direct sunlight.<br>• Avoid wearing the pump reservoir underneath clothes in direct contact to the skin.<br>• If the pump was refrigerated, allow it to reach room temperature prior to use. |
| **Viscosity**<br>EZ-FLOW™ flow rates are calculated based on the use of 0.9% Sodium Chloride as the diluent. | • Using a diluent with a higher viscosity than 0.9% Sodium Chloride will decrease the flow rate. |
| **Fill Volume**<br>The flow rate is most accurate when filled to the labeled volume. | • Avoid exceeding the maximum fill volume as noted in the product IFU.<br>• Avoid filling less than the minimum fill volume as noted in the product IFU. |
| **Pump Position**<br>EZ-FLOW™ should be positioned approx. at the same level as the venous access device (VAD). | • Avoid placing the pump on the floor.<br>• Avoid hanging the pump from a bed post or IV pole.<br>• When standing or walking, the pump can be placed into a carry pouch and worn around the waist or chest, depending on the VAD.<br>• Placing EZ-FLOW™ at a higher or lower level than the VAD may result in an altered flow rate. |
| **Activity**<br>Activity that increases the patient's body temperature or blood pressure may affect the flow rate. | • Avoid vigorous physical exercise that could increase body temperature or blood pressure.<br>• External pressure such as squeezing or laying on the pump increases the flow rate.<br>• Avoid unnecessary external pressure on the pump. |
| **External Pressure**<br>External pressure such as squeezing or laying on the pump increases the flow rate. | • Avoid unnecessary external pressure on the pump.<br>• Avoid sitting or sleeping on the pump.<br>• The pump can be placed on a bedside table when in bed. |

## Note:

If the pump did not perform as expected, do not discard. Please Contact your IMS Territory Manager for product return instructions or call Customer Service at 800.755.3800.

Refer to product Instructions for Use.

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