

# Medi-SIS™ I-FLOW®

## SYRINGE INFUSION SYSTEM

### Directions For Use

#### NOMENCLATURE

1. Outer Syringe Holder
2. Inner Syringe Driver
3. Administration Set
4. Syringe Plunger

#### INTENDED USE

The Medi-SIS Syringe Infusion System is intended for use with 20cc and 60cc B-D® and Sherwood Monoject® brand syringes for intravenous and subcutaneous infusions of general drugs and solutions.

#### CAUTION

1. The Medi-SIS Infusion System can only be used with Medi-SIS administration sets. Use of any administration sets other than those designed by I-Flow for use with the Medi-SIS could result in a significantly altered infusion flow rate.
2. Do not use the administration set if the sterile pouch is opened or damaged. If either protective cap is missing or not in place, the sterility of the administration set is no longer guaranteed.
3. Not for blood, blood products or TPN use. It is recommended that the administration set be changed in accordance with established guidelines.
4. When using a 20cc Sherwood Monoject syringe and delivering saline at 72°F (22°C), the infusion period increases by approximately 30%.

**DO NOT RESTERILIZE THE ADMINISTRATION SET. ADMINISTRATION SETS ARE INTENDED FOR SINGLE PATIENT USE ONLY. THE FLUID PATHWAY IS STERILE AND NONPYROGENIC.**

#### PREPARING THE Medi-SIS INFUSER (USE ASEPTIC TECHNIQUE.)

1. Open the infuser by unscrewing the inner syringe driver until it stops.
2. Remove the administration set from its package and close the pinch clamp.
3. Remove the red cap from the administration set and the protective cap from the syringe. Attach the set to the syringe.
4. Hold the syringe at a slight angle. Seat the syringe plunger into the white opening on the inner syringe driver. The graduation marks on the syringe should be facing the side of the syringe holder so that the finger tabs fit through the slot.
5. Push on the side of the syringe until it snaps into position in the outer syringe holder.
6. Rotate the syringe so that the graduation marks are in line with the slot in the outer syringe holder.
7. Rotate the inner syringe driver clockwise until the infuser is completely closed.

#### PRIMING THE ADMINISTRATION SET

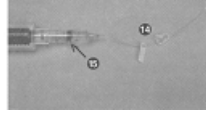
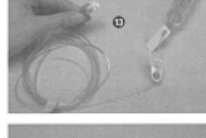
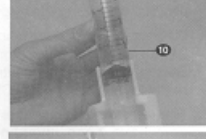
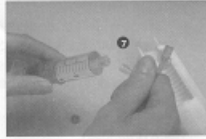
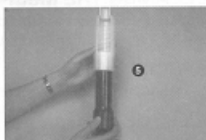
1. Prime the administration set by removing the white cap at the end of the set and then opening the clamp. Medication will begin to flow.
2. When a drop of fluid begins to form at the end of the administration set, close the clamp and replace the cap.

#### STARTING THE INFUSION

1. Attach the end of the set to the IV site.
2. Open the clamp on the administration set. The medication will begin to flow.

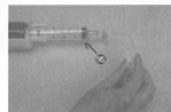
#### CHECKING THE INFUSION PROGRESS

1. At any time during the infusion, simply read the graduation marks on the syringe to determine how far the plunger has progressed.



#### END OF INFUSION

The infusion is complete when the plunger has reached the bottom of the syringe.



#### CLEANING THE Medi-SIS

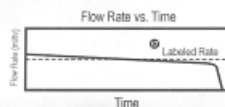
The Medi-SIS may be sprayed with isopropyl alcohol or a 10% bleach and water solution and wiped dry.

#### SPECIFICATIONS

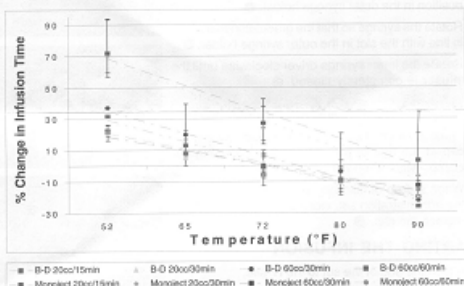
1. Set priming/residual volume is less than 1.3 ml when used with 20 ml syringes and less than 1.6 ml when used with 60 ml syringes.
2. Delivery accuracy is  $\pm 15\%$  (at a 95% confidence level) of the labeled infusion period when delivering saline at 72°F (22°C).

#### NOTES:

1. The infusion times for each administration set are indicated on the administration set label.
2. Actual infusion times may vary from the labeled infusion period due to:
  - viscosity and/or drug concentration,
  - positioning the Medi-SIS above (decrease) or below (increase) the IV site,
  - the use of syringes other than those specified above.Note: The magnitudes of these effects have not been quantified.
3. The Medi-SIS delivers fluid in a decreasing flow rate over the specified delivery time.



4. This product uses DEHP plasticized PVC. Certain solutions may be incompatible with the PVC material used in the IV administration set. Consult the drug package insert and other available sources of information for a more thorough understanding of possible incompatibility problems.
5. Delivery times for the administration sets have been calibrated during manufacturing using Becton-Dickinson (B-D) syringes filled with normal saline at 72°F (22°C).
6. The effects of temperature changes on infusion time have been investigated under in vitro conditions. The following graph depicts the percent change in infusion time which can be expected at a given temperature for systems using B-D and Sherwood Monoject syringes.



CAUTION: Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.



Manufactured by:  
I-Flow Corporation  
Lake Forest, CA 92630  
[www.i-flowcorp.com](http://www.i-flowcorp.com)

Printed in the U.S.A.

U.S. Patent # 5,589,315 and Foreign Patents Pending

European Representative:  
MPS Medical Product Service GmbH  
Domgasse 20, 35619 Braunfels, Germany

