

# Filling Guide

## **EZ FLOW**<sup>TM</sup> ELASTOMERIC PUMP

- 
- 02 EZ-FLOW<sup>TM</sup> ELASTOMERIC OVERVIEW

---

  - 04 SHORT DURATION INSTRUCTIONS

---

  - 05 SHORT DURATION FILL TIMES

---

  - 06 LONG DURATION & CHEMOTHERAPY INSTRUCTIONS

---

  - 07 LONG DURATION FILL TIMES

---

# OVERVIEW

---

EZ-FLOW™ Elastomeric Pumps are proven to be safe and effective and are a convenient alternative to electronic infusion pumps. Ideally suited for infusion, long-term care, and outpatient chemotherapy treatments, EZ-FLOW pumps give the patient mobility and freedom to maintain an active lifestyle.

The EZ-FLOW Elastomeric Pump is easy to fill and color-coded for quick and accurate device identification. The wide range of SKUs available offers dosing flexibility to administer various infusion therapies at different flow rates. Please refer to the Fill Volume and Delivery Time Tables within this guide to help determine which product is best suited for the needed therapy.

## FILL VOLUMES & DELIVERY TIMES\*

The EZ-FLOW Elastomeric Pump nominal flow rates are based on sodium chloride (0.9%, 31° C/88° F) as reference. Use of 5% dextrose will result in 10% slower flow rate or correspondingly 10% longer delivery time.

- Actual infusion time may vary depending on fill volume, flow rate and other influencing factors. View "Factors Influencing Flow Rate Chart" at [integratedmedsys.com/FlowRateFactors](http://integratedmedsys.com/FlowRateFactors) for details.
- Delivery times for partial or overfill volumes are approximate values.
- Filling the pump more than the nominal fill volume results in a slower flow rate.
- Filling the pump less than nominal fill volume results in a faster flow rate.
- Do not fill the pump less than the minimal or more than the maximum fill volume specified.
- Filling the up with diluent before adding the drug/medication is recommended.

\*Refer to the tables on the following pages to determine the appropriate pump model based on the fill volume and desired delivery time. Residual volume information is also included.

## DRUG STABILITY

Drug Stability data is available on a wide range of medications. The Drug Stability Guidelines for the administration of medications using the EZ-FLOW™ Elastomeric Pump were developed as a result of testing performed by independent laboratories, review of various medical publications and manufacturers’ product information, and available elastomeric infusion pump drug stability data.

The pharmacist dispensing the drug is responsible for ensuring proper preparation using validated aseptic techniques to prevent microbiological contamination. For practice and quality standards, refer to USP <797> Pharmaceutical Compounding – Sterile Preparations and USP <800> Hazardous Drugs - Handling in a Healthcare Setting.

**To view the full Drug Stability Guide data table, scan the QR code or visit [go.integratedmedsys.com/DrugStability](http://go.integratedmedsys.com/DrugStability)**



## STORAGE\*

The EZ-FLOW Elastomeric Pump should be stored between 68° F to 77° F and protected from light sources and heat prior to filling with medication. Prior to the start of infusion, the elastomeric pump and contents should at room temperature.

The table below provides guidelines for the estimated time the pump will take to reach room temperature after refrigeration based on the nominal fill volume. Elastomeric pumps should not be stored in a freezer.

ESTIMATED TIME TO REACH ROOM TEMPERATURE BASED ON VOLUME			
Fill Volume (mL)	Remove from Refrigerator (hrs)	Remove from Freezer (hrs)	
50	6	12	
60	7	12	
100	8	16	
125	8	16	
270	12	25	
300	12	25	
400	15	29	
500	18	30	

\*Refer to the drug manufacturers’ requirements for storage after filling the pump with medication.

# SHORT DURATION

## INSTRUCTIONS FOR FILLING

1

### Prepare the Equipment

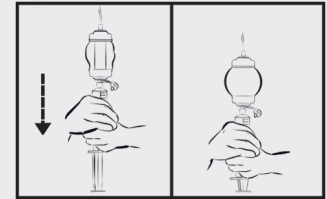
Unscrew the fill port cap.  
Keep the pinch clamp in the closed position.  
Attach the prepared filling device securely to the fill port.



2

### Fill the EZ-FLOW™ Pump

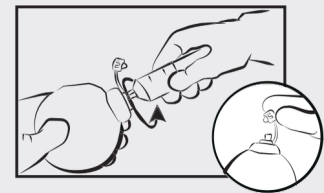
Fill using a syringe or pump.  
Always use the recommended fill volume.



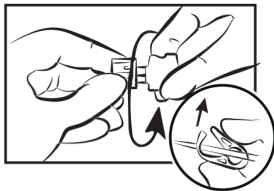
3

### Label & Store Appropriately

Detach filling device from the fill port screw on the fill port cap.  
Label with appropriate pharmaceutical and patient information.



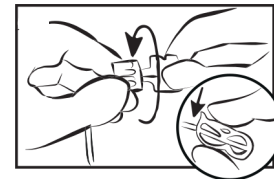
## PRIMING ADMINISTRATION TUBING



Move pinch clamp to the open position.



Loosen the patient end cap until medication begins to flow down tubing.



When all air is expelled, retighten the patient end cap. Move the pinch clamp to the closed position.

## DRUGS PRONE TO PRECIPITATION

1. Fill the EZ-FLOW elastomeric with 10 mL of diluent.
2. Prime the administration tubing.
3. Fill the remaining volume with diluent and medication.

**\*The diluent will fill the entire tubing, protecting it from precipitation, while the pump reservoir will contain the full medication dose.**

### Short Duration Fill Volume, Flow Rate, & Duration

Item #	Nominal Fill Volume (mL)	Min. Fill Volume (mL)	Max. Fill Volume (mL)	Residual Volume (mL)	Color Code	Nominal Flow Rate (mL/Hr)	Nominal Duration (Minutes)
<b>IM050050S</b>	50	50	60	2		50	60
<b>IM100050S</b>	100	75	110	2		50	120
<b>IM100100S</b>	100	50	120	2		100	60
<b>IM100200S</b>	100	50	120	2		200	30
<b>IM200100S</b>	200	150	250	3		100	120
<b>IM200200S</b>	200	150	300	2		200	60
<b>IM250050S</b>	250	150	300	3		50	300
<b>IM250100S</b>	250	200	300	3		100	150
<b>IM250125S</b>	250	150	300	3		125	120
<b>IM250175S</b>	250	140	300	3		175	90
<b>IM250250S</b>	250	150	300	3		250	60
<b>IM250500S</b>	250	200	230	3		500	30
<b>IM270175S</b>	270	150	300	3		175	90
<b>IM400100S</b>	400	275	550	5		100	240
<b>IM400200S</b>	400	200	500	5		200	120
<b>IM500250S</b>	500	360	550	5		250	120

# LONG DURATION & CHEMOTHERAPY

## INSTRUCTIONS FOR FILLING

1

### Prepare the Equipment

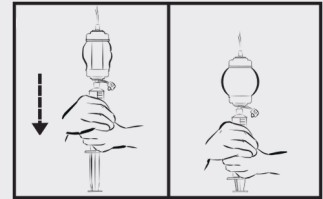
Unscrew the fill port cap.  
Keep the pinch clamp in the open position.  
Attach the prepared filling device securely to the fill port.



2

### Fill the EZ-FLOW™ Pump

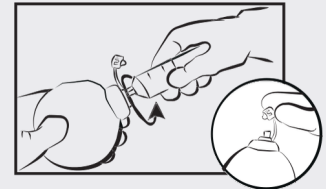
Fill using a syringe or pump.  
Always use the recommended fill volume.



3

### Label and Store Appropriately

Detach filling device from the fill port.  
Screw on the fill port cap & close pinch clamp.  
Label with appropriate pharmaceutical and patient information.



## Priming Cap Automatically Primes

**Long Duration and Chemotherapy EZ-FLOW™ Elastomeric Pumps include a priming cap.**

The priming cap enables the administration tube to be automatically primed and ready for infusion. The membrane prevents fluid from leaking out of the priming cap, allowing air to escape.

## Drugs Prone to Precipitation

1. Fill the EZ-FLOW elastomeric with 10mL of diluent.
2. Prime the administration tubing.
3. Fill the remaining volume with diluent and medication.

**\*The diluent will fill the entire tubing, protecting it from precipitation, while the pump reservoir will contain the full medication dose.**

**Fill Volume, Flow Rate, & Duration**

Item #	Nominal Fill Volume (mL)	Min Fill Volume (mL)	Max Fill Volume (mL)	Residual Volume (mL)	Color Code	Nominal Flow Rate (mL/Hr)	Nominal Duration (Minutes)
<b>IM060005L</b>	60	30	100	2		5	12
<b>IM100002L</b>	100	75	110	2		2	50
<b>IM100005L</b>	100	75	120	2		5	20
<b>IM125005L</b>	125	75	150	2		5	25
<b>IM270001L</b>	270	240	270	3		1	270
<b>IM270002L</b>	270	150	300	3		2	135
<b>IM270004L</b>	270	230	300	3		4	67
<b>IM270005L</b>	270	250	360	3		5	54
<b>IM270010L</b>	270	230	360	3		10	27
<b>IM500020L</b>	500	360	500	5		20	25
<b>IM100002C</b>	100	75	120	2		2	50
<b>IM125005C</b>	125	75	150	2		5	25
<b>IM270002C</b>	270	150	300	3		2	135
<b>IM270005C</b>	270	240	330	3		5	54
<b>IM270010C</b>	270	230	360	3		10	27
<b>IM300006C</b>	300	250	360	3		6	50

**LONG DURATION**

**CHEMOTHERAPY**

## Carrying Pouches



- Use with Elastomeric Pumps
- Adjustable Straps
- Zipper Pouch
- Available in Blue

## Chemotherapy Spill Kit



- 2 Chemo-rated Pairs of Gloves
- 1 Chemo Waste Bag
- 1 Antiseptic Towelette
- 1 Ultrisorbs Towel

## Ordering Details

Item #	Description	Size	UOM
IM58010	IMed Elastomeric Pump Pouch	200mL	1/Each
IM58011	IMed Elastomeric Pump Pouch	500mL	1/Each
IM68045	Chemotherapy Spill Kit	N/A	50/Case

**Ready to take action?**

Scan the QR code to place your order or find out more!



Leading the healthcare industry towards a more efficient and effective future through our commitment to excellence in developing cutting-edge medical products and solutions.

Proudly Distributed by:



To order, contact your IMS Territory Manager or Customer Service at 800.755.3800

The product details provided herein, including any images or supplements, reflect information from various sources regarding the product; this information has not been independently verified by Integrated Medical Systems ("IMS") or its affiliates. IMS is not liable for any inaccuracies or omissions in the product information, which is provided solely for your convenience.

The information presented here is subject to change without prior notice. Customers should review product packaging and labeling before use or purchase to ensure accuracy, especially when referencing information from IMS's online or printed materials. IMS disclaims any responsibility for the accuracy or completeness of the information reflected herein, regardless of whether any inaccuracies or omissions are due to errors or other factors.