NIPRO

HOSPITAL PRODUCTS

SUREFUSER™+

PORTABLE INFUSION SYSTEM

NIPRO

WHAT IS SUREFUSER™+ ?

SureFuser™+ is a single-use, portable medical device.

It is a self-powered infusion pump that does not require batteries or electricity and is used to administer liquid medication intravenously.

The housing contains a balloon pump that is filled with medication. As the balloon deflates, it pushes medication through the infusion line. The flow regulator, built into the infusion line, determines how quickly the medication is administered.

The volume of your pump, together with the flow regulator, determine the treatment schedule as prescribed by your physician.

Surefuser™+ Components

Protective Housing

Balloon Reservoir
Holds medication

Integrated Filter
Self venting 0.2µ

Flow Regulator
Controls medication flow rate & color coded for convenience

Port Cap

Infusion Scale
Monitors you patient's infusion progress

Infusion Line
Kink resitant and DEHP free

Clamp

Luer Connector

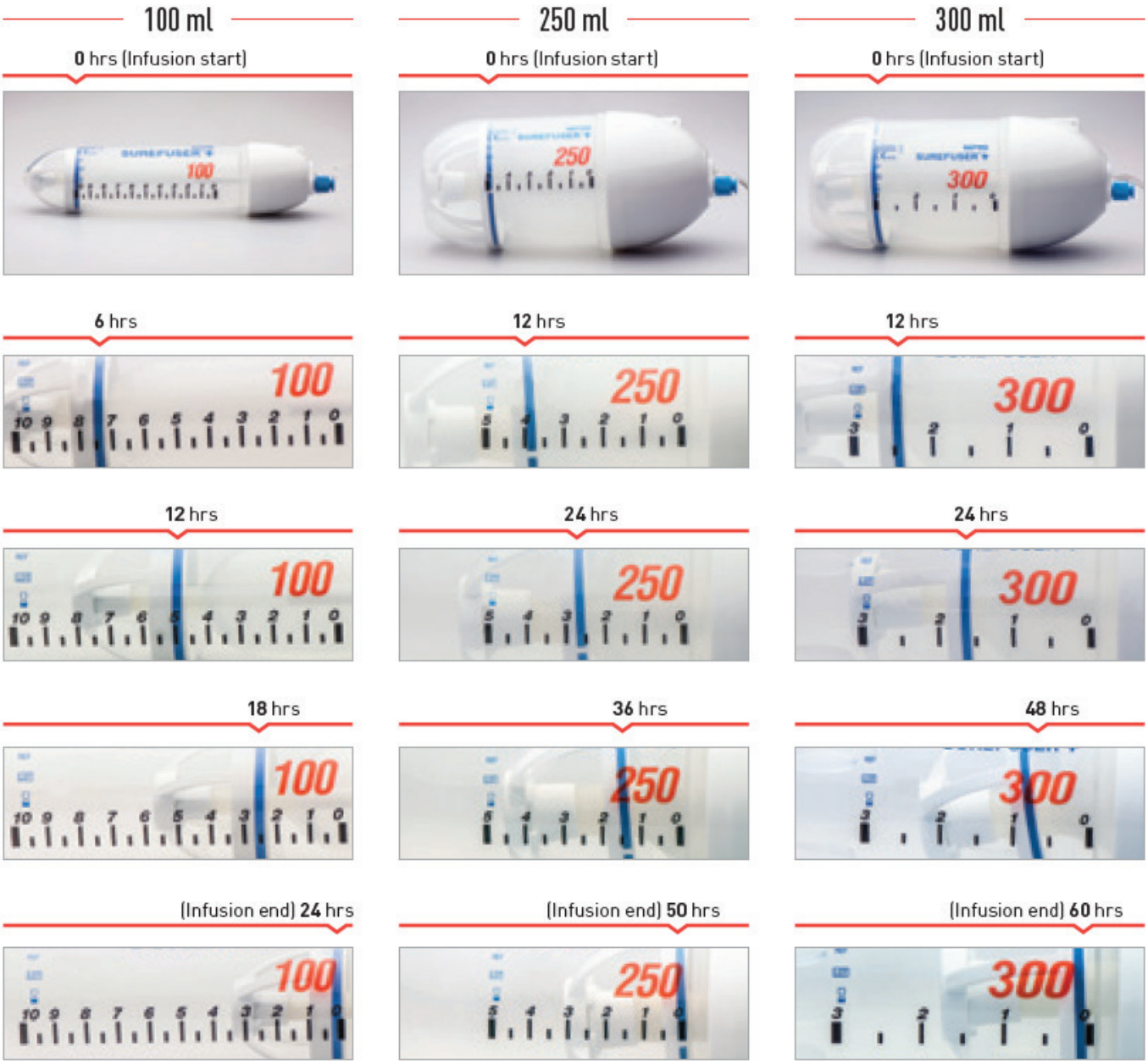
SUREFUSER™+

AMBULATORY BALLOON INFUSER

Home intravenous (IV) treatment and freedom of mobility, Surefuser™+ makes both possible!

Surefuser™+ is a single-use, portable elastomeric infusion pump that allows you to go about your daily routine while receiving your IV treatment. With Surefuser™+, you can receive treatment in the comfort of home without being confined to bed.

INFUSION PROGRESSION



Infusion progression examples

100 ml pumpwith 4.2 ml/hr flow rate		250 ml pump with 5 ml/hr flow rate		300ml pump with 5 ml/hr flow rate	
Infusion time	**Blue line position**	**Infusion time**	**Blue line position**	**Infusion time**	**Blue line position**
0 hr (start)	10	0 hr (start)	5	0 hr (start)	3
6 hrs	7-8	12 hrs	3-4	12 hrs	2-3
12 hrs	4-6	24 hrs	2-3	24 hrs	1-2
18 hrs	1-4	36 hrs	1-2	48 hrs	0-1
24 hrs	0-1	50 hrs	0-1	60 hrs	0-1

FREQUENTLY ASKED QUESTIONS

Can I go outside with Surefuser™+?

Yes, however, Surefuser™+ must stay out of direct sunlight and should not be exposed to high temperatures. Please ensure the flow regulator is securely attached to your skin. The pump should be kept in its carrying bag, as the device must remain at room temperature.

Can I sleep with Surefuser™+?

Yes. We recommend that you keep Surefuser™+ in a secured place on or near your bed and at the same "head height" as your sleeping position. Do not keep it under your bed covers, as the pump must remain at room temperature.

Can I take a shower/bath with Surefuser™+?

Please check with your healthcare provider if it is ok for you to shower or take a bath. Please make sure that the pump housing and the infusion line are not submerged or exposed to a direct stream of water. The filter should not come into contact with water or soap.

Can I swim with Surefuser™+?

No, swimming is not allowed becuase Surefuser+ should not be submerged in water. Sauna or steam room visits are also not allowed.

Can I travel by air with Surefuser+?

Yes. Please consult your doctor if you plan on taking Surefuser™+ with you on your flight.

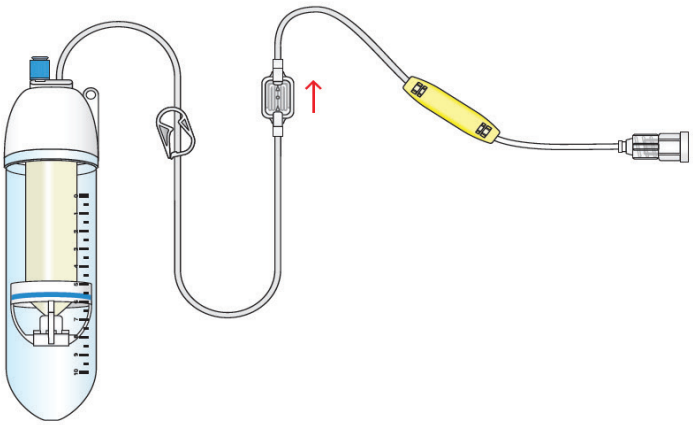
WHAT TO DO...

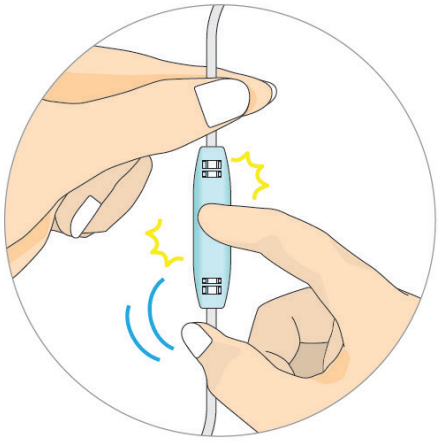
If there is a leak:

In the unlikely event of a leakage, close the clamp immediately. If leaking from the infusion line, close the clamp above the point where the leakage occurs. If leaking from one of the connections, check if they are closed tight. Remember to wear protective gloves while doing so. If leaking from the pump housing, place it in a plastic bag. Report all leakages to your hospital and follow their advice. If the medication came into contact with your skin, follow the guidelines provided by your hospital. In case of severe complications, call emergency services.

If infusion stopped before the balloon has emptied:

Verify that the clamp on the infusion line is open. Check the infusion line to make sure it is not twisted or kinked. If the clamp and infusion line are fine, try tapping the flow regulator with your fingertips while holding the filter vertically (see drawing). If the infusion still does not start, close the clamp and call your hospital to understand how to proceed.





If the infusion progression is slower or faster than expected:

Call your hospital to determine if treatment can be continued or if it should be stopped. In the event treatment should be stopped, close the clamp on the infusion line and follow the guidelines provided to you by your hospital. In case of severe complications, call emergency services.

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