

Steriflush®

Prefilled Syringes

Steriflush® Prefilled Syringes

Increase your efficiency



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PART OF STI GROUP

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Sterisets International



Sterisets International BV was established in 1996, as a result of a spinoff from a medical distributing company in The Netherlands. Instead of only buying and selling, the goal was to start our own manufacturing facility in the medical business. We have been growing our activities worldwide, with currently 4 facilities in The Netherlands and in Portugal, which together form the STI group.

Together, all of us at Sterisets International Group (STI) are dedicated to provide you with a wide range of medical products to increase efficiency in the medical field.



Sterisets

Oss, The Netherlands

This is the headquarter of Sterisets International Group, with the management, international sales division and logistics department.



Steripack

Penafiel, Portugal - Logistics & Offices

With this newest facility, opened in 2020 across the road from our production facility, we have expanded our warehouse capacity with 2.600 m², and 700 m² office space.



Steripack

Penafiel, Portugal - Production & Quality

Our 3.500m² facility, gives space to our cleanroom, injection molding production, warehouse and laboratory. In our 1.000 m², ISO 7 cleanroom, thousands of medical kits and trays are produced daily, under close supervision of our highly qualified quality department. The Prefilled syringes are made in a ISO 5 cleanroom, within the same facility.



Steripack

Guilhufe, Portugal - Non-sterile Production and Warehouse

At our first Portuguese facility, the production for the lamination and folding of our drapes and draw sheets and storage of our non-sterile products takes place.



Always want to have access to the latest version of our brochures? All brochures and leaflets are available digitally on our website www.sterisets.com.

In case you prefer a physical copy of our artwork, Sterisets International Group uses Green Label paper, made out of 100% recycled paper with FSC quality mark. In addition, the paper is produced without usage of any type of chlorine (ECF).

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Almost 60% of all patients will have an intravenous cannula in situ during their treatment or stay in a hospital or healthcare setting. It is **essential** to flush vascular access devices before each infusion to assess catheter function and prevent catheter-related complications.

Using prefilled syringes instead of alternative products **increases efficiency**, safety and is cost effective.



Reduced waste

Using prefilled syringes reduces the waste from 5 to just 1 component.¹



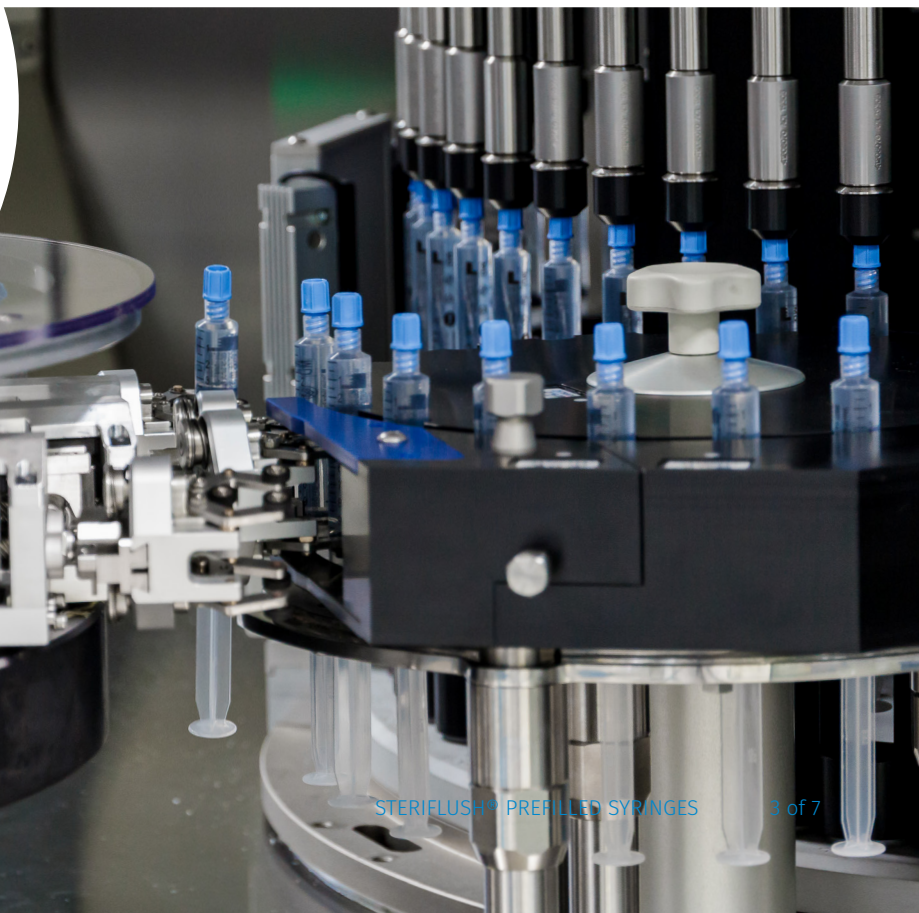
Improved patient safety

A study found that 2-17% of the flush syringes manually prepared by nurses in wards were contaminated with microorganisms.¹

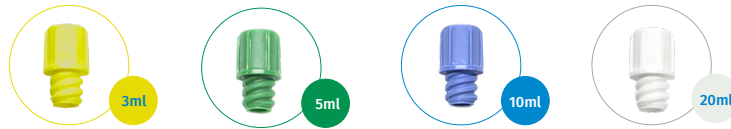


69% Time reduction

Average procedure time decreased from 48 > 15 seconds. On 200.000 flush syringes this equals a staff **saving of > 1.800 hours.**¹



Colour coded cap per fill level



Printed information for ultimate transparency

Pharma Grade Butyl Rubber Latex & PVC free

Easy-glide plunger Non sticky rubber

Large finger grip For stable hold

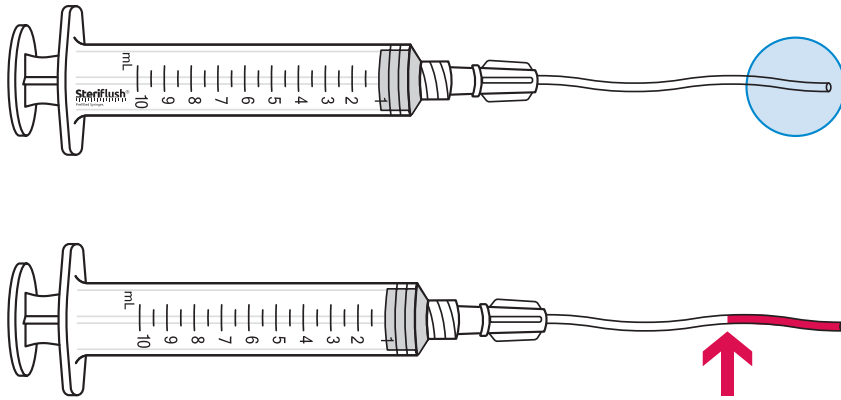
Blood reflux and catheter damage

Blood Reflux²

Where normal syringes have the risk of blood reflux, Steriflush® syringes are designed to prevent the backflow of blood into a catheter or intravenous (IV) line.

This results in a number of **benefits**;

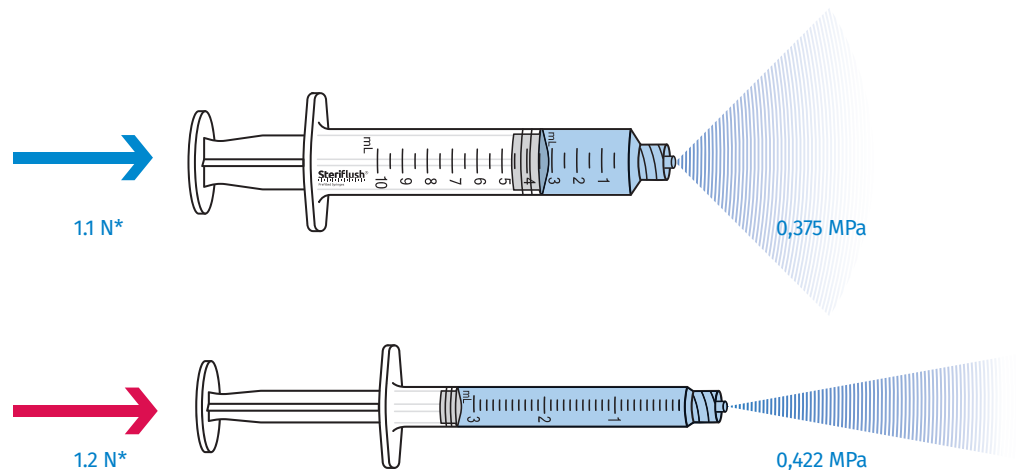
1. Reduced risk of line occlusions;
2. Ensurance of continues and efficient medication delivery;
3. Longer catheter lifespan;
4. Improved patient comfort by minimizing the disruptions to the patient.



Tests performed in a laboratory certified according to NP EN ISO/IEC 17025 following ISO 7886-1.

Catheter damage²

Reduced pressure in prefilled syringes can lead to gentler and more controlled injections. This minimizes the potential of forceful injection that can cause catheter damage, ensuring the longevity of catheters and enhancing patient safety. Steriflush® syringes are designed with a low and equal pressure, comparable with other major brands.



*The syringe pistons were depressed at the constant linear rate, creating a flow of 0,7ml/sec
N - Newton
MPa - Megapascal

Radiation vs Steam Sterilization

Feature	STERILE R	STERILE ↓
Terminal sterilization	+	+
Sterile field compatible ³	+	-
Temperature sterilization	Low (< 60°C)	High (121°C)
No transitory taste or odor (leaching effect) ³	+	-
No lock effect, easy gliding piston ³	+	-

Assortment

Ref. number	Item description	Sales unit	Size pouch	Pieces per carton	Pieces per pallet
Syringes with water, Sterile inside and outside, to be used to fill the balloon from a balloon catheter only. Do not use for injection					
14313BS	Syringe water luer 10 ml sterile	1	22 X 5 cm	200	12.800
14314BS	Syringe water luer 20 ml sterile	1	24,7 x 6,7 cm	125	8.000
Syringes with water + glycerine, Sterile inside and outside, to be used to fill the balloon from a balloon catheter only. Do not use for injection.					
14318BS	Syringe water with 10% glycerine luer 10 ml sterile	-	22 X 5 cm	200	12.800
14318S	Syringe water with 10% glycerine luer 10 ml sterile	40	22 X 5 cm	320	12.800
Syringes with NaCl 0,9%, Sterile inside and outside, for flushing only, may be used in a sterile field.					
14361S	Syringe luer lock 5 ml filled with 3 ml NaCl 0,9% sterile	60	22 X 5 cm	480	19.200
14363S	Syringe luer lock 10 ml NaCl 0,9% sterile	40	22 X 5 cm	320	12.800
14366S	Syringe luer lock 10 ml filled with 5 ml NaCl 0,9% sterile	40	22 X 5 cm	320	12.800
14364S	Syringe luer lock 20 ml NaCl 0,9% sterile	25	26 x 6 cm	150	6.300
14365S	Syringe luer Lock 10 ml filled with 3 ml NaCl 0,9% sterile	40	22 X 5 cm	320	12.800
Syringes with NaCl 0,9%, Sterile inside non sterile outside, for flushing only. Not to be used in a sterile field.					
14361SNS	Syringe luer lock 5 ml filled with 3 ml NaCl 0,9% sterile & NS Outside	150	21 x 5 cm	600	19.200
14363SNS	Syringe luer lock 10 ml NaCl 0,9% sterile & NS Outside	125	23 x 5 cm	500	16.000
14366SNS	Syringe luer lock 10 ml filled with 5 ml NaCl 0,9% sterile & NS Outside	125	23 x 5 cm	500	16.000
14364SNS	Syringe luer lock 20 ml NaCl 0,9% sterile & NS Outside	60	26 x 6 cm	240	7.680
14365SNS	Syringe luer Lock 10 ml filled with 3 ml NaCl 0,9% sterile & NS Outside	125	23 x 5 cm	500	16.000

Packaging



Dialysis sets

Prefilled syringes inside sets

Even more efficient: Sterisets® PFS Procedure packs

- Combine prefilled syringes with custom made sets & packs;
- All components for the procedure combined in the right pack;
- Increased safety (less chance of cross contamination)²;
- Sustainability benefits: **Less waste compared to single packs**⁴.
- Financial benefits⁴;
 - Cost effective solution;
 - Reduction of indirect costs



Less handling for the nurses, purchasers, logistics
No internal preparation or sterilization needed



References

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