

Steriflush®

Prefilled Syringes

Steriflush® Prefilled Syringes

Increase your efficiency



Sterisets International BV
Menhirweg 16 | 5342 LS Oss | The Netherlands
P +31 (0)412 667 755 | E info@sterisets.com

www.sterisets.com

PART OF STI GROUP

Sti
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 the Sterisets International Group, with the management, international sales division and logistics department.



Sterisets®

Penafiel, Portugal - Logistics & Offices

With this 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.



Sterisets®

Penafiel, Portugal - Production & Quality

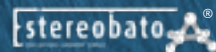
Our 3.500m² facility, gives space to our cleanroom, injection molding production, warehouse and laboratory. In our 1.000 m², ISO 7 cleanroom, thousands of medical kits and trays are produced daily, under close supervision of our highly qualified quality department. The Prefilled syringes are made in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



Sterisets®

Penafiel, Portugal - Non-sterile Production and Warehouse

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



Mora, Portugal - Ethylene Oxid (EO) Sterilization and Laboratory Services

With more than 15 years of experience, we support manufacturers across Europe in ensuring the safety, compliance, and performance of their products through validated sterilization processes and high-quality analytical testing.



MEDIRM®

Mora, Portugal - Production and Packaging

MEDIRM Lda is in the market since 2006, is a Portuguese producer whose commercial activity consists in the production and packaging of medical devices with its own brand or client's brand, acting in several European countries.



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 Blue 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).

© 2026 Sterisets International B.V. All rights reserved. All images, graphics, text, and other content contained in this brochure are the property of Sterisets International B.V. and are protected by copyright laws. No part of this content may be reproduced, distributed, or transmitted in any form or by any means without the prior written permission of Sterisets International B.V. Unauthorized use is strictly prohibited and may result in legal action. While every effort has been made to ensure the accuracy of the information contained within this brochure, Sterisets International B.V. reserves the right to correct any mistakes or typing errors and shall not be held responsible for any inaccuracies or omissions. Prices, specifications, packaging and availability are subject to change without notice.

Steriflush®

Prefilled Syringes

Benefits of Steriflush® prefilled syringes

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



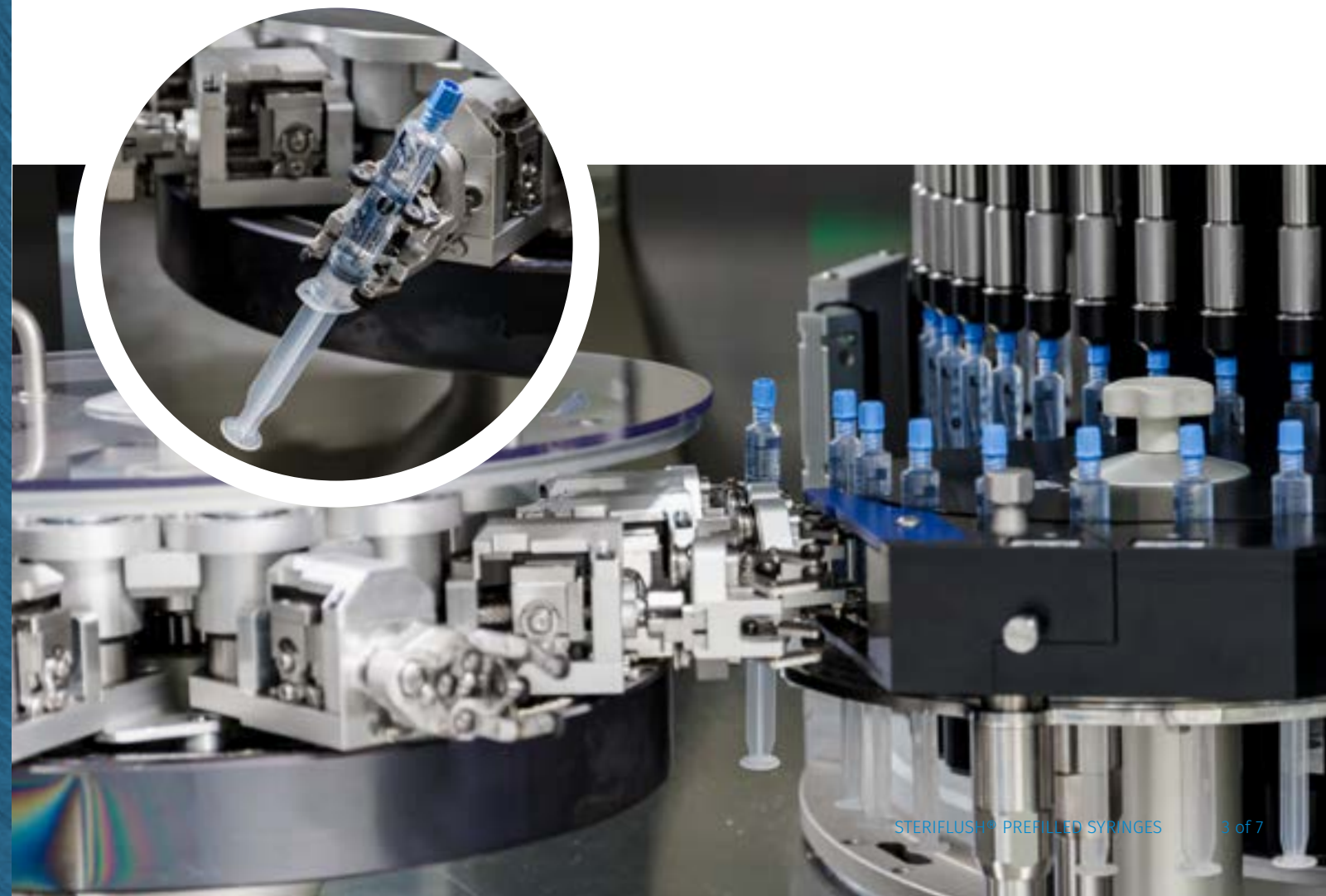
Improved patient safety

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



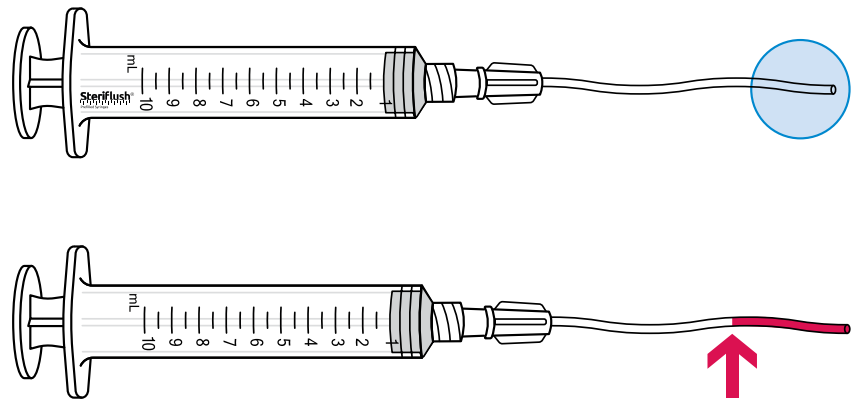
69% Time reduction

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





Blood reflux and catheter damage



Blood Reflux²

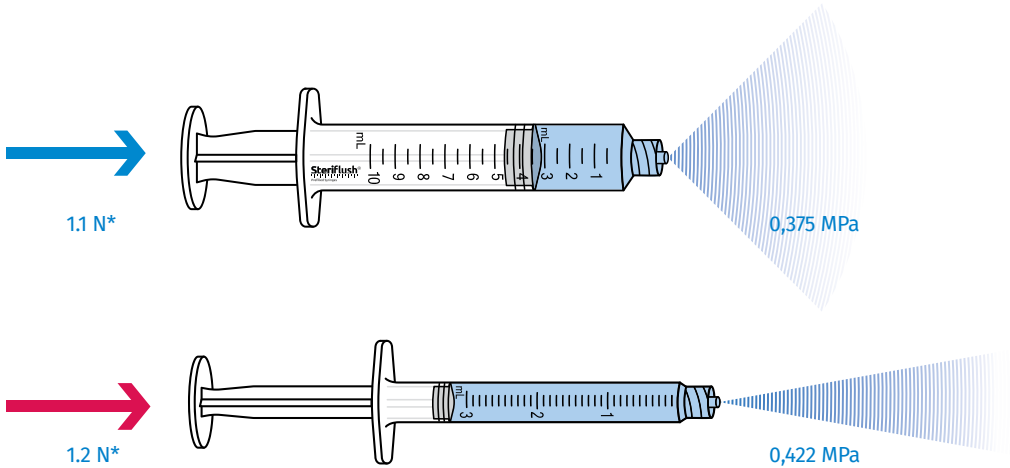
Where normal syringes have the risk of blood reflux, Steriflush® syringes are designed to prevent the backflow of blood into a catheter or intravenous (IV) line.

- 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 I
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

New Ref.	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.					
3040002	Syringe Water, Luer, 10ml - filling 10ml - Bulk pack *S	-	22 x 5 cm	200	12.800
3040006	Syringe Water, Luer, 10ml - filling 10ml - Bulk Pack - Fluid Path Only	-	-	432	17.280
3040012	Syringe Water, Luer, 20ml - filling 20ml - Bulk Pack *S	-	26 x 6cm	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.					
3040016	Syringe Water with 10% glycerine, Luer, 10 ml - filling 10ml - Bulk Pack, Fluid Path Only	-	-	432	17.280
3040008	Syringe water with 10% glycerine, Luer 10 ml - filling 10ml, Bulk pack *S	-	22 x 5 cm	200	12.800
3040010	Syringe water with 10% glycerine, Luer 10 ml - filling 10ml *S	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.					
3020002	Syringe luer lock 5 ml filled with 3 ml NaCl 0,9% sterile	60	22 X 5 cm	360	17.280
3020010	Syringe luer lock 10 ml NaCl 0,9% sterile	40	22 X 5 cm	320	12.800
3020008	Syringe luer lock 10 ml filled with 5 ml NaCl 0,9% sterile	40	22 X 5 cm	320	12.800
3020012	Syringe luer lock 20 ml NaCl 0,9% sterile	25	26 x 6 cm	150	6.300
3020004	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.					
3010002	Syringe luer lock 5 ml filled with 3 ml NaCl 0,9% - Fluid Path Only	150	21 x 5 cm	600	19.200
3010010	Syringe luer lock 10 ml NaCl 0,9% - Fluid Path Only	125	23 x 5 cm	500	16.000
3010008	Syringe luer lock 10 ml filled with 5 ml NaCl 0,9% - Fluid Path Only	125	23 x 5 cm	500	16.000
3010012	Syringe luer lock 20 ml NaCl 0,9% - Fluid Path Only	60	26 x 6 cm	240	7.680
3010004	Syringe luer lock 10ml filled with 3 ml NaCl 0,9% Fluid Path Only	125	23 x 5 cm	500	16.000
3040014	Syringe luer 20 ml NaCl 0,9% filling 20 ML - Bulk Pack - Fluid Path only	-	-	210	8.400

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 packs⁴**.
- Financial benefits⁴;

- Cost effective solution;
 - Reduction of indirect costs
- Less handling for the nurses, purchasers, logistics
- No internal preparation or sterilization needed



References

1. Lee PT, Terry J. (2021). "Changing practice to using pre-filled syringes for flushing IV cannulas." Br J Nurs. 30(14):S14-S22. doi: 10.12968/bjon.2021.30.14.S14.

2. Saliba P, Cuervo G, Hornero A, De Carli G, Marani A, Puro V, Felisa López A, Ifimie S, Castro A, Díaz-Brito Fernandez V, Alvarez Moya MC, Jiménez De La Rosa C, Martínez-Sánchez J, Jiménez E, Carratalà J, Pujol M. The impact of flushing with pre-filled saline syringes on the incidence of peripheral venous catheter failure: A quasi-experimental study. J Vasc Access. 2020 Jul;21(4):490-496. doi: 10.1177/1129729819888423.

3. Nair PD. Currently Practised Sterilization Methods-Some Inadvertent Consequences. Journal of Biomaterials Applications. 1995;10(2):121-135. doi:10.1177/088532829501000203.

4. Fu, T. S., H. Msallak, A. Namavarian, A. Chiodo, W. Elmasri, B. Hubbard, J. Xu, R. Pegoraro, K. Higgins, D. Enepekides, E. Monteiro and A. Eskander (2021). "Surgical Tray Optimization: a Quality Improvement Initiative that Reduces Operating Room Costs." J Med Syst 45(8). doi: 10.1007/s10916-021-01753-4.

Steriflush®
| | | | | | | | | | | | | | |
Prefilled Syringes

Sterisets International BV
Menhirweg 16 | 5342 LS Oss | The Netherlands
P +31 (0)412 667 755 | E info@sterisets.com

www.sterisets.com

PART OF STI GROUP

