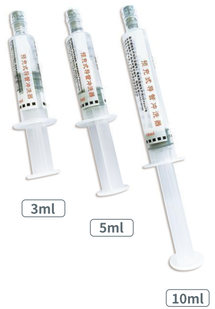
Pre-filled flush syringe

Product name: Pre-filled flush syringes
Product model:3ml 5ml 10ml 20ml
Product classification: Class III 14 infusion, nursing and protective devices
Product structure: This product is composed of an outer sleeve, core rod, piston, and cone head cap and pre-filled with 0.9% sodium chloride injection fluid. After sterilization by wet heat, the pre-filled fluid is sterile and pyrogen-free.
Scope of application: Applicable for sealing and flushing peripherally inserted central catheters, indwelling needles, and other catheters.
Product performance:
Sterile with wet-heat sterilization. Disposable. Destroy after use.



Meets the requirements of GMP/Code for Quality Management of Medical Device Production
Certified by IS013485 quality management system and CE.

Product feature 1: Wide application range and simple operation
The pre-filled flush syringes are a combination product of medicine and machinery. The product is pre-filled with 0.9% sodium chloride injection fluid with wide application range and minor limitations, conforming to the internal environment of the human body, and with little impact on patients' conditions and physiological indicators. Especially for elderly patients, with the decline of normal physiological function and regulation, or the impact of other diseases, it is easy to cause abnormal coagulation, so 0.9% sodium chloride is the best sealing solution. Moreover, the pre-filled flush syringes do not need to be prepared in advance, but only need to be simply and


Easy activation


Flushing, and sealing



Pre-filled flush syringe

Product feature 2: Reduces consumption of multiple materials
The preparation of traditional sealing solution requires physiological saline, syringes for single use and heparin sodium, and other materials, while the pre-filled flush syringes can complete flushing and sealing without configuration, reducing consumption of different materials, and facilitating storage and management.


Traditional method　Only one pre-filled flush syringe is needed

Product feature 3: Lower risk of infection
Pre-filled flush syringes effectively reduce the chance of contamination, ensure safety, and avoid the risk of hospital infection caused by improper configuration of the tube sealing fluid. 20161NS recommends the use of pre-filled flush syringes to flush and seal tubes. A large number of documents, evidence and actual performance and operation support the excellent performance of pre-filled flush syringes in reducing contamination and improving work efficiency.
Physiological saline in infusion bags/bottles bring risk of contamination/needle-stick injuries. Operation processes exposed to the atmosphere easily lead to particulate or microbial contamination, etc.
Complicated steps further increase the risk.


Traditional manual configuration



Direct use without configuration

Product feature 4: Improved safety
The pre-filled flush syringes have a locking Luer taper, which is more secure and ensures connection safety. The cone head cap is made of materials imported from the US and has good sealing performance. After filling and sterilization, each link effectively maintains the sterility of the 0.9% sodium chloride injection fluid, ensuring the safety of the sealing liquid. The product is pre-filled with injection fluid, with no need for advance manual configuration, preventing needle-stick injuries and damage to the ampoule bottle, and ensuring the safety of medical personnel.


Good sealing of the cone head cap　Locking Luer taper


No need for manual configuration to avoid puncture wounds

Pre-filled flush syringe

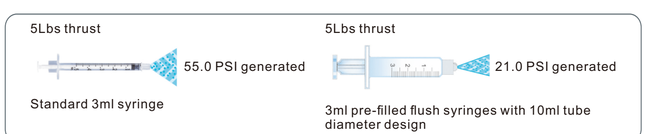


Product feature 5: Improved workflow and personal productivity
With no need for advance manual configuration, the operating time is greatly reduced, improving the productivity of medical staff, and also freeing them from tedious work. With two steps to complete the flushing, efficiency is doubled, and work intensity is significantly reduced.


Complexity traditional manual configuration


Easy activation, convenient flushing, tube sealing

Product feature 6: Consistent tube diameter design, and low risk of tube breakage
The pre-filled flush syringes are uniformly designed with a diameter of 10mL, preventing risk of breakage caused by the small diameter and strong pressure of the syringe when it is sealed, and ensuring patient safety.



Product feature 7: More thorough and effective flushing, and longer tube placement time
Flushing method: pulse flushing (flush once and stop). A small vortex is formed in the catheter, washing the attached solution more thoroughly. The pre-filled flush syringes are safe and efficient, not only enhancing catheter maintenance, but also extending the time of catheter placement.

