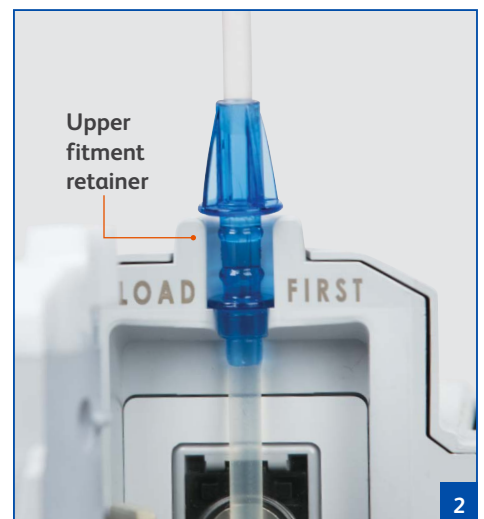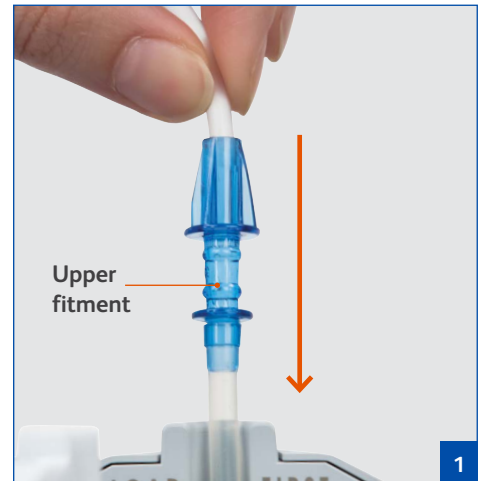# Set loading and unloading guide for the BD Alaris™ Pump Module

BD Alaris™ System

Loading

1. *Drop from the top.* Hold the upper fitment above the fitment recess and lower it into the recess (Figure 1). **Do NOT push or snap the upper fitment snugly into the upper recess.** Do not stretch the pumping segment.

2. The grooves in the fitment should fit square in the upper fitment tubing retainer (Figure 2).

3. *Blue to blue.* Ensure the tubing is not twisted and press the blue safety clamp fitment into the blue recess (Figure 3).

4. *Thread it through.* Firmly push the tubing toward the back of the air-in-line detector (Figure 4). Nuisance air-in-line alarms could occur if the tubing is not pushed far enough into the air-in-line detector.

5. Gently close the module door. Grasp the top of the module with one hand while lowering the latch with the other hand.

6. Open the roller clamp and verify that no fluid is flowing through the drip chamber.

7. A properly loaded upper fitment will fit loosely in the recess (Figure 5).

Note: If the pump is on when a set is loaded with the safety clamp fitment in the open position, the pump will alarm for safety clamp open.

Upper fitment

Upper fitment retainer

LOAD FIRST

Air-in-line detector

ALARM   INFUSE   STANDBY

For product support, contact Customer Advocacy at **888.812.3266** or **customerfeedback@bd.com**
For technical support, contact Instrument Technical Support at **888.812.3229.**
For product orders, contact Customer Order Management at **800.482.4822.**
⚠ **See reverse side for applicable warnings and cautions.**
📖 For complete instructions, refer to the *BD Alaris™ System User Manual* at **bd.com**

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Unloading

1. Close the roller clamp (Figure 6).

2. Open the pump module door. The safety clamp fitment is automatically closed.

3. Gently pull the tubing below the air-in-line detector forward and out (Figure 7).

4. Lift the upper fitment out of the recess (Figure 8).

5. When reloading an administration set, leave the safety clamp fitment in the closed position.

⚠ Warnings and cautions

WARNING: Use only BD Alaris™ Pump Infusion administration sets. The use of any other set can cause improper instrument operation, resulting in an inaccurate fluid delivery or other potential hazard. For a list of compatible administration sets, please refer to the BD Alaris™ Pump Module Set Compatibility Card.

WARNING: Do not touch the administration set while closing the door. Failure to follow this instruction can result in infusion rate inaccuracy.

WARNING: Ensure the tubing placement is over pressure sensors.

WARNING: Ensure the upper fitment is not elevated above the receptacle on the pump. This could be caused by maintaining traction on the set (or stretching the set) while closing and latching the door. If the set is loaded in this manner, infusion inaccuracies may occur.

WARNING: To prevent a free-flow condition, ensure that no extraneous object (for example, bedding, tubing, glove) is enclosed or caught in the pump module door. Free-flow condition can result in patient harm.

WARNING: To prevent a potential free-flow condition, do not use a pump module if it is damaged in any way or does not appear to be functioning as expected. Free-flow condition can result in patient harm.

WARNING: For BD Alaris™ Pump Module ensure that the tubing guide arm is not missing and that it opens when the pump module door opens. A tubing guide arm failure can result in a nuisance air-in-line alarm. If there is a failure, send the pump module to CareFusion for repair.

CAUTION: Ensure that the device is as close to the level of the patient's heart as possible. Patient's heart level should be in line with the CHANNEL SELECT key.

CAUTION: Failure to follow proper administration set loading instructions might lead to an instrument malfunction.

CAUTION: Before operating the instrument, verify that the administration set is free from kinks and correctly installed.

CAUTION: Insert the upper fitment before installing the safety clamp fitment.

CAUTION: When reloading an administration set, leave the safety clamp fitment in the closed position.

CAUTION: To reduce the potential for nuisance AIL alarms, ensure that the tubing is fully inserted in the AIL detector.

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