

# Check before you choose

Learn why choosing a syringe with pump manufacturer validation is an important step in keeping patients safe during an infusion

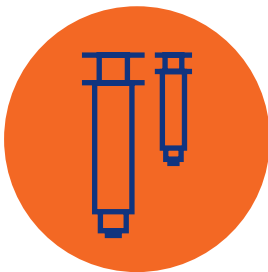


# Do you know whether your syringe and infusion pump have been validated to function effectively *together*?



Every day, more than 6 million syringes are used across the United States, supporting a wide range of critical applications and departments, **including infusion therapy**. Always on hand, the syringe is essential to patient care.

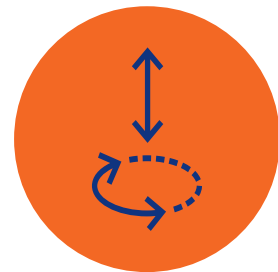
Many factors can influence how a syringe interacts with an infusion pump, potentially impacting patient safety and outcomes



Syringe size



Minimum and maximum flow rate



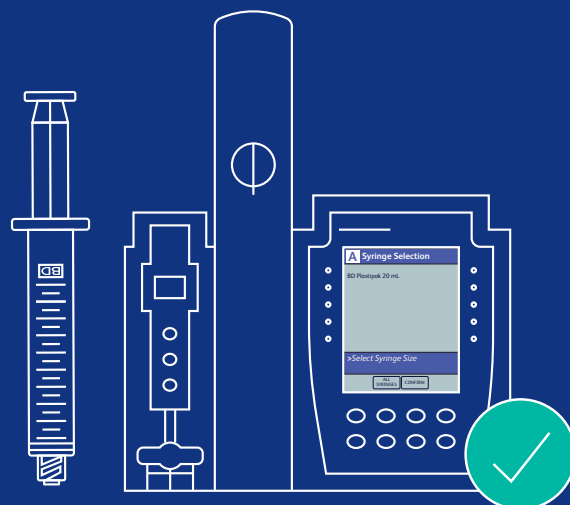
Dimensions





That's why syringe pump  
manufacturer validation is important

By choosing a syringe that has been validated  
for use by the infusion pump manufacturer,  
you can trust your infusion system will deliver  
the precise, reliable performance your  
patients deserve



# What is syringe pump manufacturer validation?

During syringe pump manufacturer validation, the syringe manufacturer and the infusion pump manufacturer work together to confirm the performance of the syringe and pump as a system



**The syringe manufacturer** provides important device data, such as performance characteristics and dimensions



**The pump manufacturer** uses these inputs to assess and validate how that specific syringe performs with that particular pump



After the pump manufacturer has validated a specific pump and syringe work together effectively and consistently, **the manufacturer programs that syringe's unique characteristics into the pump software**, allowing the pump to recognize the syringe when inserted into the device



When you choose a syringe for use with an infusion pump, **check that it has been validated** by the syringe pump manufacturer

## How to check pump manufacturer validation

Before you begin an infusion, check to ensure that your syringe has been validated by the pump manufacturer by checking documentation, such as the syringe pump IFU, user manual or compatibility card





# Choosing a syringe that is not compatible with the infusion pump can put patients at risk

According to the FDA, non-pump manufacturer validated syringes can cause improper pump operation, resulting in inaccurate fluid delivery, insufficient occlusion sensing and other potential problems<sup>1</sup>

The FDA also states that the lack of flow continuity, with one cause being the use of a non-compatible syringe, can have serious consequences, including<sup>1</sup>:



A delay of therapy



Over-infusion or under-infusion



Abnormal or unstable blood pressure



Anxiety from loss of sedation



Increased pain in critically-ill infants

**The right syringe can help support safe and effective medication delivery**



## Choose with confidence

The BD<sup>®</sup> Syringe has been tested and validated for use on most infusion pumps\* including BD<sup>®</sup> Alaris<sup>™</sup> Infusion Systems

The BD<sup>®</sup> Syringe is also more widely used by healthcare professionals globally than any other brand

\*Check with the syringe pump manufacturer or IFU for compatibility of the syringe with specific syringe infusion pumps

To learn more about our broad portfolio of validated syringes and hypodermic solutions, **contact your BD sales representative**

1. U.S. Food and Drug Administration. Syringe pump problems with fluid flow continuity at low infusion rates can result in serious clinical consequences: FDA Safety Communication. Accessed on July 1, 2020, at: <https://www.fdanews.com/ext/resources/files/2016/08/08-25-16-pumpsafetynotice.pdf?1480880246>. Archived at <https://web.archive.org/web/20161113211840/http://www.fda.gov/MedicalDevices/Safety/AlertsandNotices/ucm518049.htm>

BD, Franklin Lakes, NJ, 07417, U.S.  
201.847.6800

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