

# SmartSite® needle-free valve user's guide

## Instructions

The SmartSite® needle-free valve is designed to permit injection and aspiration of fluids without the use of needles.



### Prepare SmartSite® needle-free valve

Prior to every access, always swab the top of the SmartSite® valve with a sterile 70% isopropyl alcohol wipe 1-2 seconds and allow to dry approximately 30 seconds.

**For multiple syringes, swab prior to each syringe access.**



### Attach luer

Insert the syringe tip into the valve. If syringe has a male luer lock collar, turn syringe clockwise to secure the connection. If syringe has a slip luer, insert and rotate 1/4 turn to secure the connection. Inject or aspirate fluid. **Do not leave slip luer syringes unattended.**



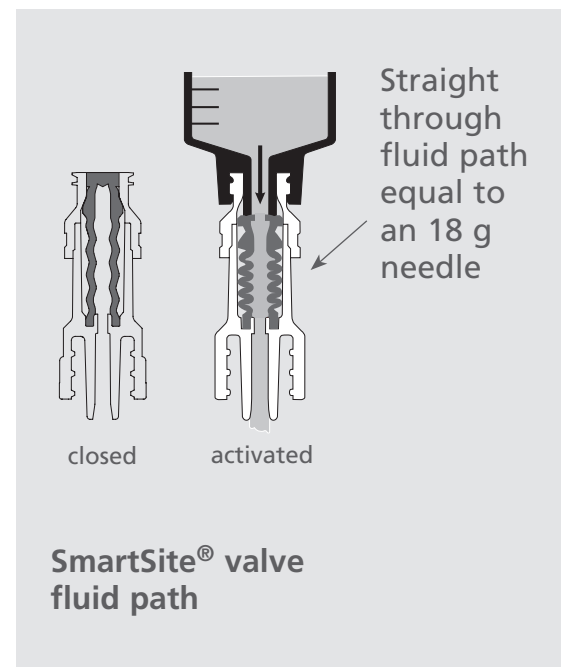
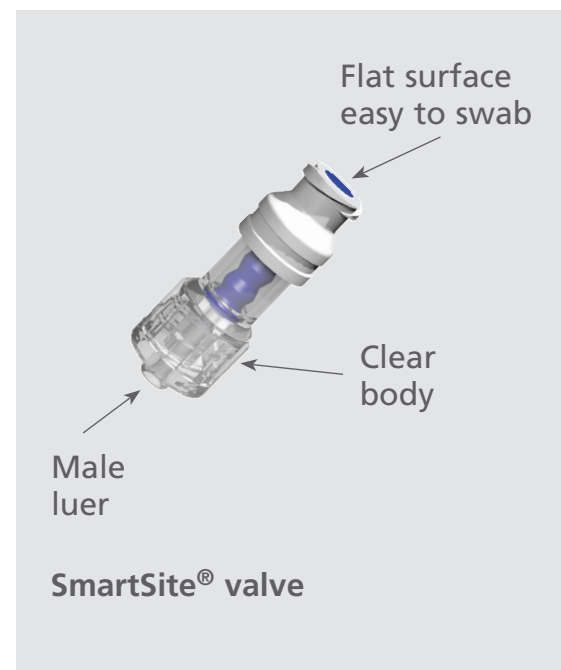
### Apply clamp

In accordance with INS flushing standards, apply clamp before disconnecting syringe to help prevent any reflux in the catheter lumen.



### Disconnect luer

Securely hold SmartSite® valve while disconnecting luer. Remove the luer from the valve by turning counterclockwise.



## Key specifications

Priming volume <sup>1</sup>	valve: 0.11mL	Y site: 0.07 mL
Residual volume <sup>2</sup>	valve: 0.08mL	Y site: 0.04 mL
Flow rate	4500 mL/hr <sup>4</sup>	8100 mL/hr <sup>3</sup>

- Replace every 72 hours or 100 activations whichever occurs first. For infusions of blood, blood products or lipid emulsions replace every 24 hours.
- The Centers for Disease Control (CDC), Infusion Nurses Society and other organizations publish guidelines useful in developing facility protocols and policies. Refer to hospital policies.
- For Power Injector Use—use only models that are labeled for Power Injector Use. In addition, needle-free valve must be secured to other luer lock devices also pressure rated for power injector use.
- Models labeled for power injector use may be used with low pressure power injectors up to 325 psi and maximum flow rates up to 10 mL/second.
- For full device instructions, refer to the set *Directions for Use*.

<sup>1</sup> Valve not activated

<sup>3</sup>As per Standard ISO 1055-5-1997

<sup>2</sup> Valve activated

<sup>4</sup>As per NCQ 005:500mL fluid bag at 30 inch head height

For more information, visit [CareFusion.com](http://CareFusion.com)

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### Note—professional standards of practice require:

Vascular access devices should be flushed according to professional standards of practice and facility protocol in order to maintain patency and prevent the mixing of incompatible medications.