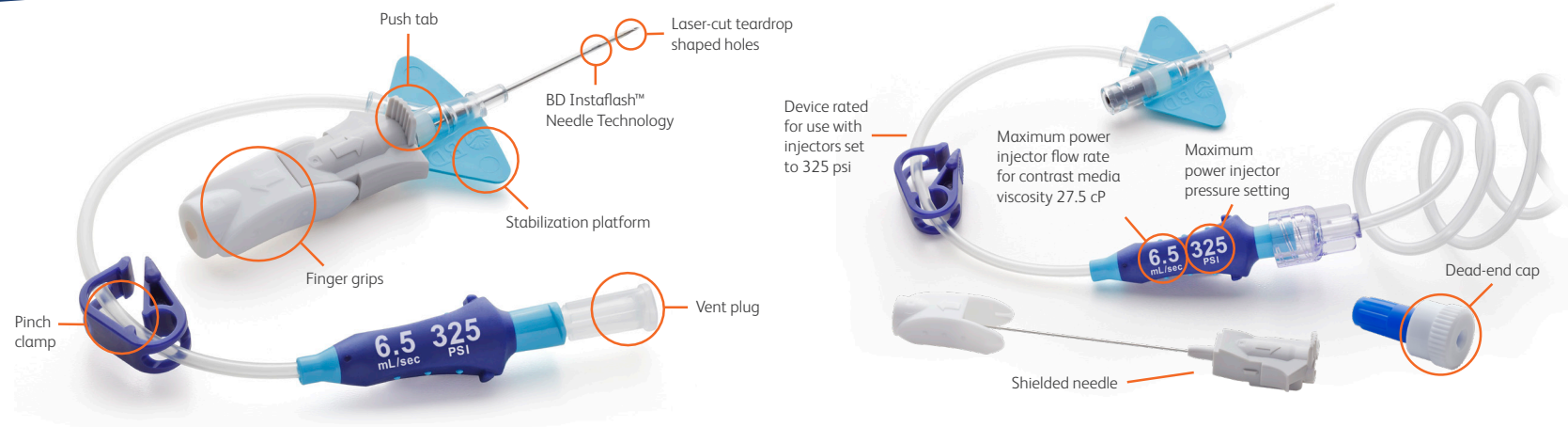


# BD Nexiva™ Diffusics™

Closed IV Catheter System for radiographic power injection  
Points to practice and tips for success

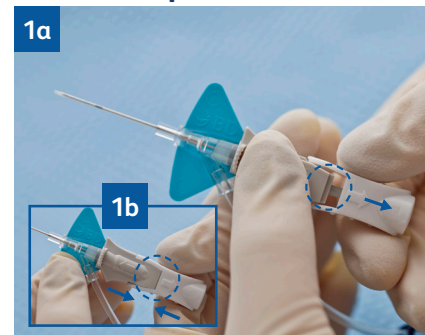
Scan this code to watch a video on how to use the BD Nexiva™ Closed IV Catheter System ▶



## Power injection guidelines

All gauge sizes are suitable for use with power injectors set to a maximum pressure of 325 psi when access ports not suitable for use with power injectors are removed. The catheter system has been tested at the listed flow rates, however, due to variations in add-on devices, tubing, contrast media, temperature and pressure limit settings these flow rates may not be achievable.

## Points to practice



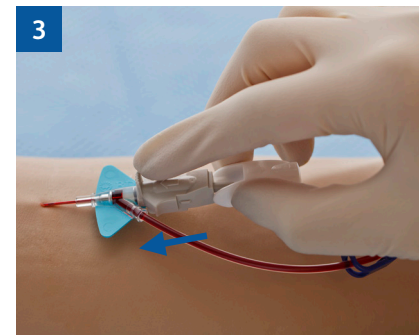
### Preparation

- Secure the vent plug.
- The clamp should not be engaged.
- Twist to remove the needle cover.
- Holding as shown, pull back approximately 1/8" on the finger grips (Fig. 1a).
- Push the finger grips back to their original position so the gray push tab piece and the white finger grips are snugly together (Fig. 1b).



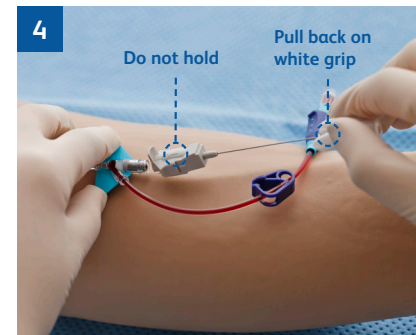
### Insertion and flashback

- Access the vessel (Fig. 2).
  - The initial blood return is along the catheter, then up the extension tube
- Note:** Once you see blood return, lower the catheter angle and advance the entire catheter and needle unit slightly to ensure the catheter tip, and not just the needle tip, is within the vessel.



### Advancement

- While stabilizing the vessel, with the pad of your index finger behind the gray push tab, push the catheter forward while holding the white finger grips stationary (Fig. 3).
- Note:** Blood return will advance up the extension tubing as the needle is being removed out of the catheter.



### Needle removal

- Stabilize the platform and pull back on the white finger grip until the gray tab component releases from the stabilization platform (Fig. 4).
  - Discard the shielded needle into a puncture-resistant, leak-proof sharps container.
- Tip:** Do not hold the gray component of the device as this will prevent the release of the shielded needle.



### Stabilization and preparation

- Apply a transparent dressing to cover the entire insertion site and catheter platform. Ensure that the catheter insertion site is visible (Fig. 5).
- Engage the clamp.
- Remove the vent plug.
- Do one of the following according to your facility's protocol:
  - Attach the administration tubing, release the clamp and begin infusion (Fig. 5).
  - or
  - Flush the system, re-engage the clamp and attach either a needleless connector or a dead-end cap.

Power injection flow rates			
Gauge and length	BD catalog number	Maximum power injector flow rate for contrast media viscosity 27.5 cP (mL/sec)	Max injector setting (PSI)
24 G x 0.75 in.	383590	3.0	325
22 G x 1.00 in.	383591	6.5	325
20 G x 1.00 in.	383592	10.0	325
20 G x 1.25 in.	383593	10.0	325
18 G x 1.25 in.	383594	15.0	325



This poster is not a replacement for the Instructions For Use. Refer to package insert for complete instructions for safety information, instructions, and warnings, etc.

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