

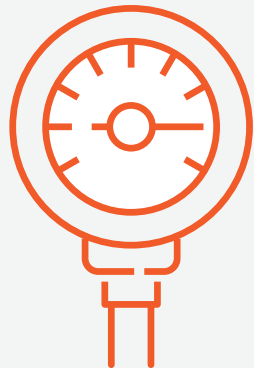


# BD Nexiva™ Diffusics™ Closed IV Cannula System

One cannula to meet your infusion therapy and CT needs

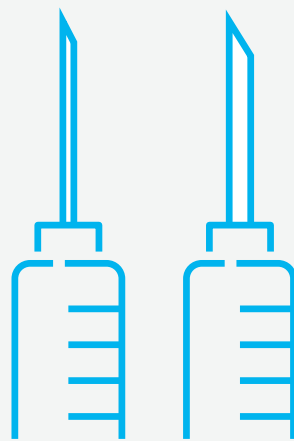


# Comfort and control under pressure



**Specific flow rates** are required in contrast-enhanced CT procedures to deliver good image quality.

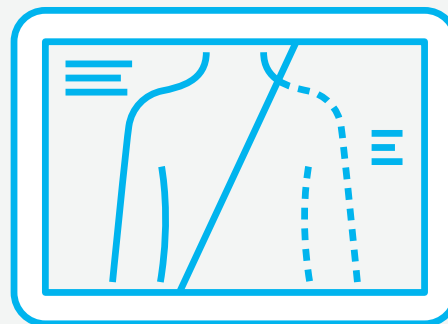
**Higher flow rates** have traditionally necessitated the use of large-gauge cannulas.



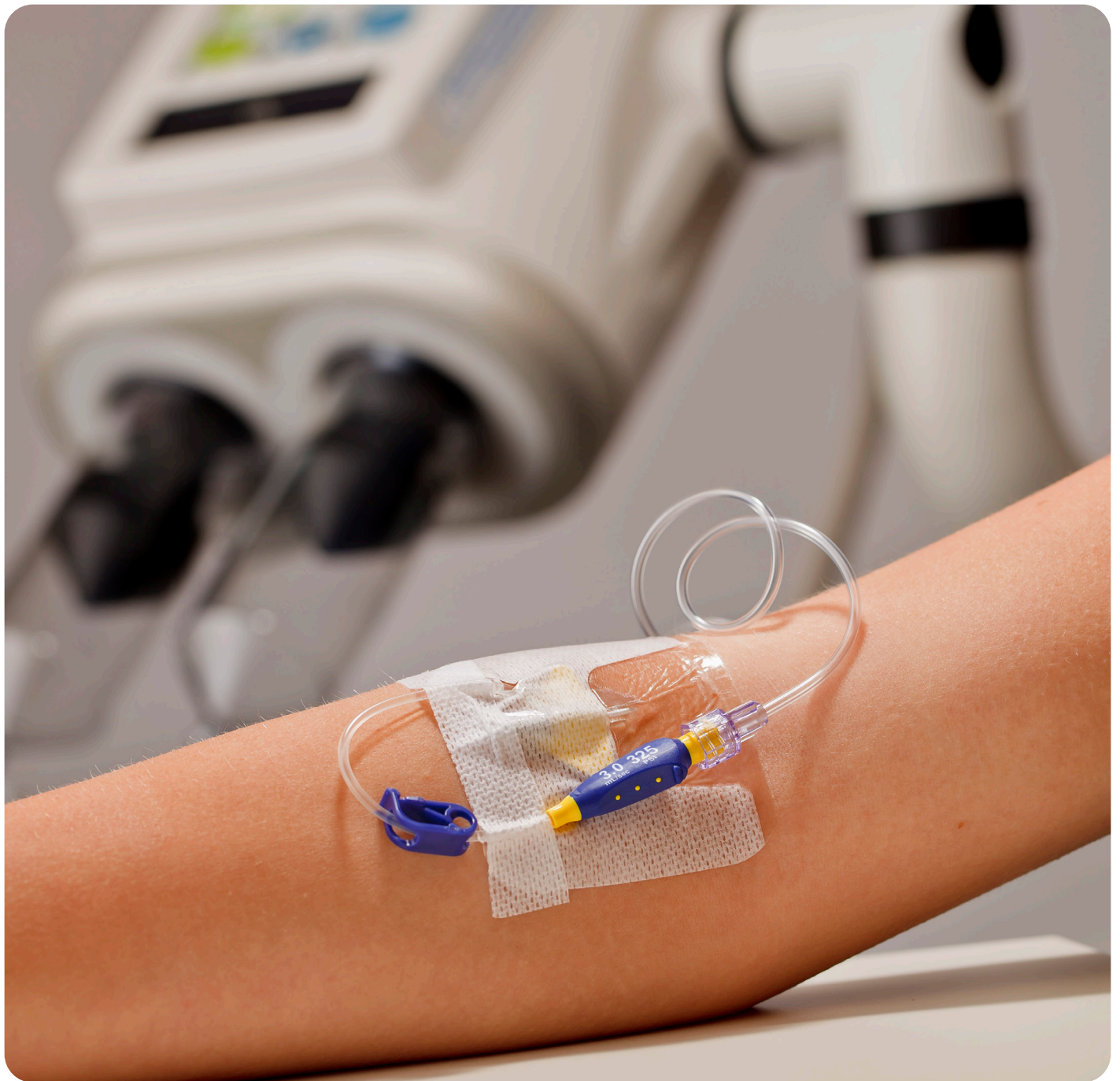
However, many patients don't have the **vasculature** to support a large-gauge cannula.



When a small-gauge cannula is placed, slower flow rates and **reduced image quality** may result.

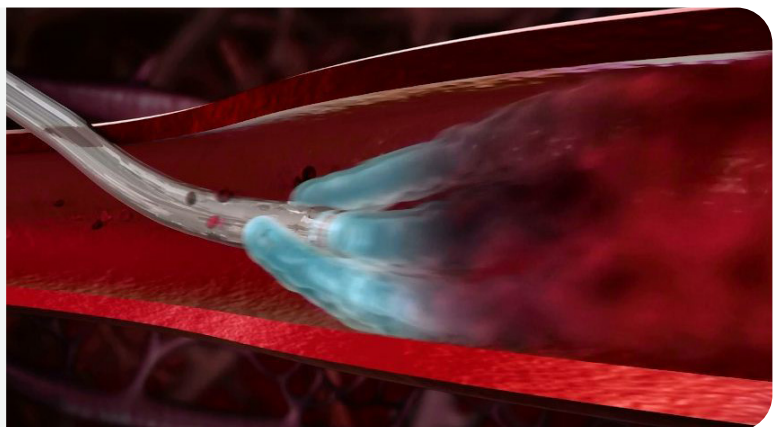


The innovative BD Nexiva™ Diffusics™ Closed IV Cannula System addresses these concerns when contrast-enhanced imaging becomes part of the patient's care.



**Power injectable up to 325 psi**

BD Nexiva™ Diffusics™ Cannula System is power injectable up to 325 psi for all gauge sizes (18 – 24 G). It also meets your high flow injection protocols (22 G up to 6.5 mL/sec).

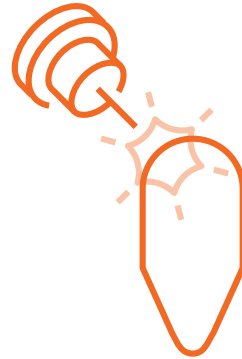


# When the pressure is on, go with the flow

The BD Nexiva™ Diffusics™ Closed IV Cannula System is an integrated PIVC system specifically designed to enable the delivery of contrast media via power injection.

## Diffusion tip technology

Within the cannula tip are three laser-cut teardrop holes, which are optimally shaped to maximise the diffusion of contrast into the vein. BD Nexiva™ Diffusics™ Cannula System is the only peripheral IV cannula with a diffusion tip specifically designed for power injection.



**3**  
laser-cut  
teardrop  
holes

**22 gauge**



**6.5 mL/sec**

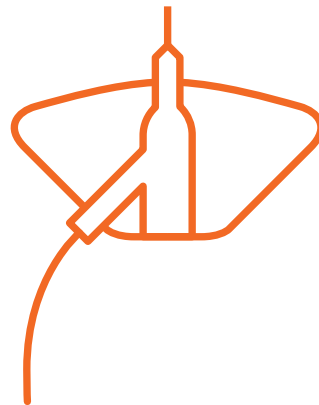


## Down gauge

The unique diffusion tip that enables the use of a smaller gauge for high-flow protocols (22 gauge up to 6.5 mL/sec) while still delivering the desired image quality.<sup>1</sup>

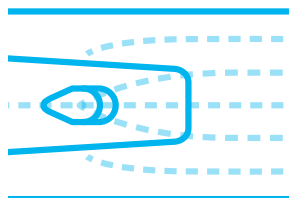
## Less movement

The BD Nexiva™ Diffusics™ Cannula System reduces the forces that may cause cannula motion in the vein by up to 67%. This reduction in force stabilises the cannula in the vein and prevents whipping, movement and backing out of the vein, which may reduce the destabilising effects that may lead to extravasation.<sup>\*\*2</sup>



**67%**  
reduced motion\*

**48%**  
reduced force\*<sup>†</sup>



## Reduced delivery force\*\*

The diffusion tip reduces the force of contrast delivery on the vein wall by up to 48%, meaning the contrast hits the vein wall with less force. This is a reduction in jet pressure not the system pressure of the power injector.

\* Compared to a non-diffusion tip cannula

† Bench Test results may not necessarily be indicative of the clinical performance



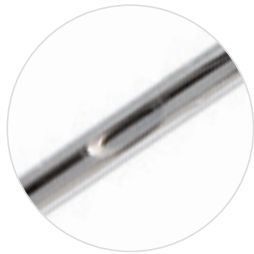
### 1 Diffusion tip\*\*

- Cannula tip with three optimally shaped holes
- Enables higher flow rates with a smaller gauge cannula (22 – 24G)
- Reduces forces that may cause cannula motion in the vein by up to 67%\*†
- Significantly less force of contrast delivery during power injection



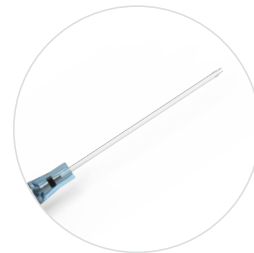
### 2 BD Instaflash™ Needle Technology

Clinically demonstrated to significantly improve first-attempt insertion success<sup>§3,4</sup>



### 3 BD Vialon™ Cannula Material

Softens, enabling longer dwell time and reducing the chance of phlebitis up to 69%<sup>#5,6,7</sup>



### 4 Built-in stabilisation platform†

Reduces dislodgement by 84%<sup>‡,8</sup>



### 5 Integrated system

- Designed to contain blood
- Integrated extension tubing and stabilisation platform reduces the risk of dislodgement and related complications<sup>8,9</sup>
- Minimises the number of manipulations that may lead to touch contamination and accidental disconnections<sup>110</sup>



### 6 Compact passive safety

Passive safety and fully covered needle tip offer protection from needlestick injuries



### 7 Flow rates indication

Clear indication of maximum flow rates at 325 psi



### 8 Ergonomic grip

Allows for a variety of insertion techniques



\* Compared to a non-diffusion tip cannula

† Bench Test results may not necessarily be indicative of the clinical performance

‡ BD Nexiva™ Closed System with 3M™ Tegaderm™ IV Securement Dressing compared to B. Braun Introcath Safety® cannula with Statlock® IV Ultra stabilisation device and non-bordered dressing

\* Compared to a non-notched needle

# Compared to a FEP cannula

¶ Compared to a non-integrated cannula

## Ordering Information

Product No.	Size	Inner Diameter	Outer Diameter	Extension Tube Length	Maximum Pressure Limit	Maximum Power Injection Flow Rate for Contrast Media 26.6cP (mPa-s)	Gravity Flow Rate	Units Box/Case
383691	24 GA X 0.75 in (19.0 mm)	0.021 in 0.53 mm	0.028 in 0.71 mm	4.5 in 114.3 mm	325 psi 2240 kPa	3.0 mL/sec	21 mL/min	20/80
383692	22 GA X 1.00 in (25.4 mm)	0.0265 in 0.67 mm	0.0355 in 0.90 mm	4.85 in 123.19 mm	325 psi 2240 kPa	6.5 mL/sec	45 mL/min	20/80
383693	20 GA X 1.00 in (25.4 mm)	0.0325 in 0.83 mm	0.0435 in 1.10 mm	4.85 in 123.19 mm	325 psi 2240 kPa	10.0 mL/sec	68 mL/min	20/80
383694	20 GA X 1.25 in (31.75 mm)	0.0325 in 0.83 mm	0.0435 in 1.10 mm	4.85 in 123.19 mm	325 psi 2240 kPa	10 mL/sec	64 mL/min	20/80
383695	18 GA X 1.25 in (31.75 mm)	0.0385 in 0.98 mm	0.0515 in 1.31 mm	4.85 in 123.19 mm	325 psi 2240 kPa	15.0 mL/sec	90 mL/min	20/80

## References

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Becton Dickinson Pty Ltd, Australia. Toll free: 1800 656 100

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