



Caring
**FOR YOU AND
YOUR PATIENTS**

*The Complete Family of
BD IV Catheters and Devices*



BD

Advancing the
world of health

BD NEXIVA™ CLOSED IV CATHETER SYSTEMS



BD Vialon™ Biomaterial

Proprietary catheter material that:

- Enables longer dwell times^{1*}
- Reduces the chance of mechanical phlebitis^{1*}
- Softens in the vein
- Provides greater kink resistance²

BD Nexiva™

Closed IV Catheter System

Dual Port and Single Port



Seamless patient care, with an IV catheter that lasts

- **Designed to last throughout the treatment process with features that:**
 - Enable longer dwell times,^{3†} supporting the Infusion Therapy Standards of Practice for clinically indicated site rotation⁴
- **Built-in stabilization platform[‡] reduces dislodgement by 84%^{5§}**
 - Minimizes movement that can lead to catheter complications (phlebitis and infiltration), restarts and associated costs^{5§}
 - Meets the CDC Guidelines and Infusion Therapy Standards of Practice for catheter stabilization^{4,6}
- **Integrated system minimizes the number of manipulations, which may lead to:**
 - Touch contamination^{4,7||}
 - Accidental disconnection^{4,7||}
- **Single and dual ports with 18- to 22-gauge tubing are compatible in CT, minimizing the need to exchange the catheter or tubing**
- **Constructed with BD Vialon™ Biomaterial and BD Instaflash™ Needle Technology**

*Compared to an FEP catheter.

†Compared to 96 hours with an open system.

‡When used with an IV site securement dressing.

§Compared to B. Braun Introcath Safety® catheter with Bard Statlock® IV Ultra stabilization device.

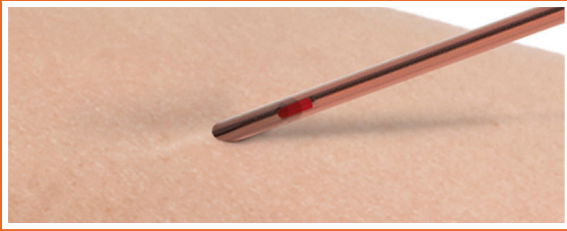
||Compared to a nonintegrated IV catheter.



The BD Nexiva integrated system allowed for a median dwell time of 144 hours for catheters in place ≥ 24 hours in a 2014 clinical study.^{3†}



In a 2014 clinical study, the longer dwell times of closed systems led to a cost reduction of approximately \$1 million/year per 1,000 beds compared to an open system.³



BD Instaflash™ Needle Technology

Incorporates a notched needle which may improve first-stick success and reduce painful hit-and-miss insertions

BD Nexiva™ Diffusics™

Closed IV Catheter
System



Performance under pressure

- **Designed to perform under pressure with a unique diffusion tip that:**
 - Allows the use of a smaller gauge for high-flow protocols (22 gauge up to 6.5 mL/sec)*
 - Reduces the destabilizing effects that can lead to extravasation
 - Provides significantly less force to the vein during power injection*
- **Constructed with BD Vialon Biomaterial and BD Instaflash Needle Technology**

*Compared to a nondiffusion tip IV catheter.



BD Insyte™ Autoguard™ BC

Shielded IV Catheter with
Blood Control Technology



Caring for you and your patients

- Provides safety and performance while enhancing the patient experience:
 - No need to worry about stopping blood during initial insertion⁸
 - Smooth, tapered catheter tip which can help minimize insertion discomfort^{*}
- Push-button needle shielding along with blood control technology demonstrated:
 - A statistically significant 95% reduction in needlesticks^{9†}
 - To reduce the risk of blood exposure by 95%^{8†}
- Constructed with BD Vialon Biomaterial and BD Instaflash Needle Technology (20 to 24 gauge)

^{*}Compared to a nontapered tip.

[†]Compared to a nonsafety IV catheter.

[‡]Compared to a nonblood control IV catheter.

BD Insyte™ Autoguard™ and BD Insyte-N™ Autoguard™

Shielded IV Catheters



- BD push-button needle shielding technology is demonstrated to reduce needlestick injuries by 95%^{9*}
- BD Instaflash Needle Technology (20 to 24 gauge) confirms immediate vessel entry at the point of insertion
- The kink-resistant nature of BD Vialon Biomaterial softens in the vein, enabling longer therapies^{1†}

^{*}Compared to a nonsafety IV catheter.

[†]Compared to an FEP catheter.

BD Angiocath™ Autoguard™ and BD Angiocath-N™ Autoguard™

Shielded IV Catheters
with FEP Polymer



- A catheter that features the benefits of:
 - BD Instaflash Needle Technology (20 to 24 gauge)
 - Push-button needle shielding technology
- A catheter made with FEP polymer to meet clinician preferences

ADDITIONAL PRODUCT OFFERINGS

BD Angiocath™

IV Catheter



- **The name that you trust in IV catheters:**
 - Designed with FEP polymer
 - Available in longer lengths for special placement (3.00, 3.25 and 5.25 inches)

BD Saf-T-Intima™

Closed IV Catheter System



- **Shielding design incorporates a telescoping needle shield to passively cover stylet**
- **Pre-attached extension tubing offers a closed system to help support a bloodless venipuncture**
- **Removable PRN adapter allows the use of any needleless closed IV access device**
- **Constructed with BD Vialon Biomaterial**

BD Introsyte™ Autoguard™ and BD Introsyte-N™ Autoguard™

Shielded Introducers
for PICC and Midline
Catheters



- **BD push-button needle shielding technology is demonstrated to reduce needlestick injuries^{9*}**
- **BD Instafash Needle Technology (26 gauge) provides immediate visual confirmation of vessel entry**

*Compared to a nonsafety IV catheter.



PRODUCT DESCRIPTIONS

Catalog No.	Color	Gauge	Catheter Length (in)	Catheter ID (mm)	Catheter OD (mm)	Extension Tube ID (mm)	Gravity Flow Rate (mL/min)	High Pressure Rating (psi)	Packaging
-------------	-------	-------	----------------------	------------------	------------------	------------------------	----------------------------	----------------------------	-----------

BD Nexiva™ Closed IV Catheter System Dual Port

383530	Yellow	24	0.56	0.4953 - 0.5715	0.6731 - 0.7493	1.22	19	N/A	20/Box 80/Case
383531	Yellow	24	0.75	0.4953 - 0.5715	0.6731 - 0.7493	1.22	18	N/A	20/Box 80/Case
383532	Blue	22	1.00	0.6350 - 0.7112	0.8636 - 0.9398	1.22	33	300	20/Box 80/Case
383536	Pink	20	1.00	0.7874 - 0.8636	1.0668 - 1.1430	1.65	61	300	20/Box 80/Case
383537	Pink	20	1.25	0.7874 - 0.8636	1.0668 - 1.1430	1.65	58	300	20/Box 80/Case
383538	Pink	20	1.75	0.7874 - 0.8636	1.0668 - 1.1430	1.65	51	300	20/Box 80/Case
383539	Green	18	1.25	0.9398 - 1.0160	1.2700 - 1.3462	1.65	84	300	20/Box 80/Case
383540	Green	18	1.75	0.9398 - 1.0160	1.2700 - 1.3462	1.65	79	300	20/Box 80/Case

BD Nexiva™ Closed IV Catheter System Single Port

383510	Yellow	24	0.56	0.4953 - 0.5715	0.6731 - 0.7493	1.22	19	N/A	20/Box 80/Case
383511	Yellow	24	0.75	0.4953 - 0.5715	0.6731 - 0.7493	1.22	18	N/A	20/Box 80/Case
383512	Blue	22	1.00	0.6350 - 0.7112	0.8636 - 0.9398	1.22	33	300	20/Box 80/Case
383516	Pink	20	1.00	0.7874 - 0.8636	1.0668 - 1.1430	1.65	61	300	20/Box 80/Case
383517	Pink	20	1.25	0.7874 - 0.8636	1.0668 - 1.1430	1.65	58	300	20/Box 80/Case
383518	Pink	20	1.75	0.7874 - 0.8636	1.0668 - 1.1430	1.65	51	300	20/Box 80/Case
383519	Green	18	1.25	0.9398 - 1.0160	1.2700 - 1.3462	1.65	84	300	20/Box 80/Case
383520	Green	18	1.75	0.9398 - 1.0160	1.2700 - 1.3462	1.65	79	300	20/Box 80/Case

Catalog No.	Color	Gauge	Catheter Length (in)	Catheter ID (mm)	Catheter OD (mm)	Extension Tube ID (mm)	Gravity Flow Rate (mL/min)	Max CT Flow Rate (mL/sec)	High Pressure Rating (psi)	Packaging
-------------	-------	-------	----------------------	------------------	------------------	------------------------	----------------------------	---------------------------	----------------------------	-----------

BD Nexiva™ Diffusics™ Closed IV Catheter System

383590	Yellow	24	0.75	0.53	0.71	1.22	21	3.0	325	20/Box 80/Case
383591	Blue	22	1.00	0.67	0.90	1.65	45	6.5	325	20/Box 80/Case
383592	Pink	20	1.00	0.83	1.10	1.65	68	10.0	325	20/Box 80/Case
383593	Pink	20	1.25	0.83	1.10	1.65	64	10.0	325	20/Box 80/Case
383594	Green	18	1.25	0.98	1.31	1.65	90	15.0	325	20/Box 80/Case

Catalog No.		Color	Gauge	Catheter Length (in)	Catheter ID (mm)	Catheter OD (mm)	Gravity Flow Rate (mL/min)	High Pressure Rating (psi)	Packaging
Non-Winged	Winged								

BD Insyte™ Autoguard™ BC Shielded IV Catheter with Blood Control Technology

382512	382612	Yellow	24	0.75	0.4826 - 0.5588	0.6604 - 0.7366	20	N/A	50/Box 200/Case
382523	382623	Blue	22	1.00	0.6096 - 0.6858	0.8382 - 0.9144	37	300	50/Box 200/Case
382533	382633	Pink	20	1.00	0.7620 - 0.8382	1.0414 - 1.1176	63	300	50/Box 200/Case
382534	382634	Pink	20	1.16	0.7620 - 0.8382	1.0414 - 1.1176	61	300	50/Box 200/Case
382537	382637	Pink	20	1.88	0.7620 - 0.8382	1.0414 - 1.1176	54	300	50/Box 200/Case
382544	382644	Green	18	1.16	0.9398 - 1.0160	1.2700 - 1.3462	95	300	50/Box 200/Case
382547	382647	Green	18	1.88	0.9398 - 1.0160	1.2700 - 1.3462	87	300	50/Box 200/Case
382554	382654	Gray	16	1.16	1.3208 - 1.3970	1.7018 - 1.7780	193	N/A	50/Box 200/Case
382557	382657	Gray	16	1.77	1.3208 - 1.3970	1.7018 - 1.7780	185	N/A	50/Box 200/Case

BD Insyte™ Autoguard™ Shielded IV Catheter

381412	381512	Yellow	24	0.75	0.521	0.699	20	N/A	50/Box 200/Case
381423	381523	Blue	22	1.00	0.648	0.876	35	300	50/Box 200/Case
381433	381533	Pink	20	1.00	0.800	1.080	65	300	50/Box 200/Case
381434	381534	Pink	20	1.16	0.800	1.080	60	300	50/Box 200/Case
381437	381537	Pink	20	1.88	0.800	1.080	55	300	50/Box 200/Case
381444	381544	Green	18	1.16	0.978	1.308	105	300	50/Box 200/Case
381447	381547	Green	18	1.88	0.978	1.308	95	300	50/Box 200/Case
381454	381554	Gray	16	1.16	1.359	1.740	220	N/A	50/Box 200/Case
381457	381557	Gray	16	1.77	1.359	1.740	205	N/A	50/Box 200/Case
381467	N/A	Orange	14	1.75	1.740	2.146	330	N/A	50/Box 200/Case

BD Insyte-N™ Autoguard™ Shielded IV Catheter

381411	381511	Yellow	24	0.56	0.521	0.699	20	N/A	50/Box 200/Case
--------	--------	--------	----	------	-------	-------	----	-----	-----------------

Catalog No.	Color	Gauge	Catheter Length (in)	Catheter ID (mm)	Catheter OD (mm)	Gravity Flow Rate (mL/min)	High Pressure Rating (psi)	Packaging
BD Angiocath™ Autoguard™ Shielded IV Catheter								
381700	Yellow	24	0.75	0.457 - 0.584	0.685 - 0.736	20	N/A	50/Box 200/Case
381701	Blue	22	1.00	0.584 - 0.711	0.863 - 0.914	35	300	50/Box 200/Case
381702	Pink	20	1.00	0.737 - 0.863	1.067 - 1.117	65	300	50/Box 200/Case
381703	Pink	20	1.16	0.737 - 0.863	1.067 - 1.117	60	300	50/Box 200/Case
381704	Pink	20	1.88	0.737 - 0.863	1.067 - 1.117	55	300	50/Box 200/Case
381705	Green	18	1.16	0.939 - 1.067	1.295 - 1.346	105	300	50/Box 200/Case
381706	Green	18	1.88	0.939 - 1.067	1.295 - 1.346	95	300	50/Box 200/Case
381707	Gray	16	1.16	1.295 - 1.422	1.727 - 1.778	220	N/A	50/Box 200/Case
381708	Gray	16	1.77	1.295 - 1.422	1.727 - 1.778	205	N/A	50/Box 200/Case
381709	Orange	14	1.75	1.664 - 1.816	2.121 - 2.172	330	N/A	50/Box 200/Case

BD Angiocath-N™ Autoguard™ Shielded IV Catheter								
381720	Yellow	24	0.56	0.457 - 0.584	0.685 - 0.736	20	N/A	50/Box 200/Case

Catalog No.	Color	Gauge	Catheter Length (in)	Catheter ID (mm)	Catheter OD (mm)	Gravity Flow Rate (mL/min)	Packaging
BD Angiocath™ IV Catheter							
381112	Yellow	24	0.75	0.445 - 0.521	0.699 - 0.724	17	50/Box 200/Case
381123	Blue	22	1.00	0.546 - 0.648	0.826 - 0.851	28	50/Box 200/Case
381134	Pink	20	1.16	0.699 - 0.800	1.080 - 1.105	49	50/Box 200/Case
381137	Pink	20	1.88	0.699 - 0.800	1.080 - 1.105	42	50/Box 200/Case
381144	Green	18	1.16	0.876 - 0.978	1.306 - 1.336	86	50/Box 200/Case
381147	Green	18	1.88	0.876 - 0.978	1.306 - 1.336	79	50/Box 200/Case
381154	Gray	16	1.16	1.125 - 1.237	1.684 - 1.720	156	50/Box 200/Case
381157	Gray	16	1.88	1.125 - 1.237	1.684 - 1.720	147	50/Box 200/Case
381164	Orange	14	1.16	1.529 - 1.646	2.088 - 2.129	295	50/Box 200/Case
371167	Orange	14	1.88	1.529 - 1.646	2.088 - 2.129	277	50/Box 200/Case
382258	Gray	16	3.25	1.125 - 1.237	1.684 - 1.720	127	10/Box 50/Case
382259	Gray	16	5.25	1.125 - 1.237	1.684 - 1.720	108	10/Box 50/Case
382268	Orange	14	3.25	1.529 - 1.646	2.088 - 2.129	249	10/Box 50/Case
382269	Orange	14	5.25	1.529 - 1.646	2.088 - 2.129	219	10/Box 50/Case
382277	Pale Blue	12	3.00	2.235 - 2.337	2.692 - 2.896	449	10/Box 50/Case
382287	Brown	10	3.00	2.642 - 2.743	3.302 - 3.505	609	10/Box 50/Case

Catalog No.	Adapter	Color	Gauge	Catheter Length (in)	Catheter ID (mm)	Catheter OD (mm)	Extension Tube ID (mm)	Gravity Flow Rate (mL/min)	Packaging
BD Saf-T-Intima™ Closed IV Catheter System									
383312	PRN	Yellow	24	0.75	0.4826 - 0.5588	0.6604 - 0.7366	0.96	22	25/Box 200/Case
383313	Y	Yellow	24	0.75	0.4826 - 0.5588	0.6604 - 0.7366	0.96	22	25/Box 200/Case
383322	PRN	Blue	22	0.75	0.6096 - 0.6858	0.8382 - 0.9144	0.96	36	25/Box 200/Case
383323	Y	Blue	22	0.75	0.6096 - 0.6858	0.8382 - 0.9144	0.96	36	25/Box 200/Case
383335	PRN	Pink	20	1.00	0.7620 - 0.8382	1.0414 - 1.1176	1.22	55	25/Box 200/Case
383336	Y	Pink	20	1.00	0.7620 - 0.8382	1.0414 - 1.1176	1.22	55	25/Box 200/Case
383346	Y	Green	18	1.00	0.9398 - 1.0160	1.2700 - 1.3462	1.22	82	25/Box 200/Case

Catalog No.	Color	Size	Sheath Length (cm)	Packaging
BD Introsyte™ Autoguard™ Introducer for PICC and Midline Catheters				
384010	Pink	20 G (3 Fr)	3.2	10/Case
384011	Green	18 G (4 Fr)	3.2	10/Case
384012	Gray	16 G (5 Fr)	3.2	10/Case
BD Introsyte-N™ Autoguard™ Introducer for PICC and Midline Catheters				
384008	Purple	26 G (1.9 Fr)	1.9	10/Case

TO LEARN ABOUT ALL THE WAYS **BD** IS CARING FOR YOU AND YOUR PATIENTS

Visit bd.com/ivcaths today
or call (888) 237-2762

References

1. Maki DG, Ringer M. Risk factors for infusion-related phlebitis with small peripheral venous catheters. A randomized controlled trial. *Ann Intern Med.* 1991;114(10):845-854.
2. Gaukroger PB, Roberts JG, Manners TA. Infusion thrombophlebitis: a prospective comparison of 645 Vialon and Teflon cannulae in anaesthetic and postoperative use. *Anaesthesia and Intensive Care.* 1988;16:265-271.
3. González López J, Arribi Vilela A, Fernández Del Palacio E, et al. Indwell times, complications and costs of open vs closed safety peripheral intravenous catheters: a randomized study. *J Hosp Infect.* 2014;86(2):117-126.
4. Infusion Nurses Society. Infusion Therapy Standards of Practice. *J Infus Nurs.* 2016;39(1S).
5. Bausone-Gazda D, Lefaiver CA, Walters SA. A randomized controlled trial to compare the complications of 2 peripheral intravenous catheter-stabilization systems. *J Infus Nurs.* 2010;33(6):371-384.
6. O'Grady NP, Alexander M, Burns LA, et al. Guidelines for the prevention of intravascular catheter-related infections. CDC. 2011:36.
7. Alexander M, Corrigan A, Gorski L, et al. *Infusion Nursing: An Evidence Based Approach.* 3rd ed. St. Louis, MO: Saunders Elsevier; 2010:410.
8. Onia R, Eshun-Wilson I, Arce C, et al. Evaluation of a new safety peripheral IV catheter designed to reduce mucocutaneous blood exposure. *Curr Med Res Opin.* 2011;27(7):1339-1346.
9. Mendelson MH, Lin-Chen BY, Finkelstein-Blond L, Bailey E, Kogan G. Evaluation of a safety IV catheter (IVC) (Becton Dickinson, Insyte Autoguard): final report [abstract]. Presented at: Eleventh Annual Scientific Meeting of the Society for Healthcare Epidemiology of America; March 31 to April 7, 2001; Toronto, Canada.



BD Medical
9450 South State Street
Sandy, Utah 84070
(888) 237-2762
www.bd.com/ivcaths

Trademarks are the property of their respective owners.

© 2016 BD. BD, the BD Logo and all other trademarks are property of Becton, Dickinson and Company. Printed in the USA
BD-0507 v2 (03/16)