



Infusion Systems Product Catalog

Effective January, 2018

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Space Infusion Pumps

Description	Product Code	Unit Per cs
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Infusomat® Space 2nd Generation Large Volume Pump



The Infusomat Space (2nd generation) large volume infusion pump is designed for acute care adult and pediatric facilities. Key features include: wireless integration allows for complete interoperability; KeyGuard non-numeric keypad eliminates zero vs. decimal errors; versatile, compact design using vertical stacking saves space; and an intuitive user interface is designed to help reduce staff training time; ability to change care units for patient transfer without stopping infusion.

Wireless	8713051U	1
Non-wireless	8713052U	1

Perfusor® Space Syringe Pump



The Perfusor Space syringe pump remains a leader in delivering accurate infusions through its advanced technology. It packs state-of-the-art versatility that promotes efficiencies for OR/Anesthesia, NICU, PICU, Oncology, ICU, CCU and Emergency Departments. Key features: KeyGuard non-numeric keypad eliminates zero vs. decimal errors; compact design using vertical stacking saves space; post-occlusion bolus reduction software; and automatic drive technology designed for accuracy.

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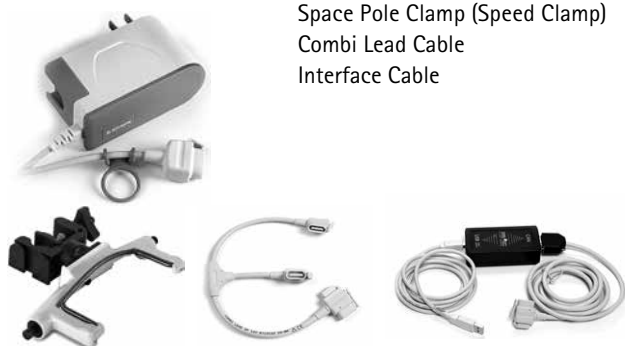
SpaceStation/SpaceStation with SpaceCom



The SpaceStation houses up to 4 Space Pumps in each station. Multiple SpaceStations can be stacked together vertically to house up to 16 pumps in a single station on one Space IV pole, requiring only a single power cord to power/charge all pumps within SpaceStation. Pumps can be stored in SpaceStation to charge when not in use. Centralized alarm indicator lights. Alarm volume can be adjusted for all pumps in SpaceStation to accommodate different clinical areas. SpaceCom module allows for wired and wireless connectivity. NOTE: SpaceCover Comfort is required for each SpaceStation tower.

SpaceStation	8713140U	1
SpaceStation with SpaceCom	8713142U	1
SpaceCover Comfort	8713145U	1

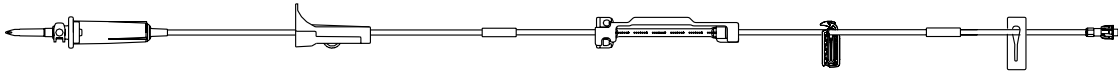
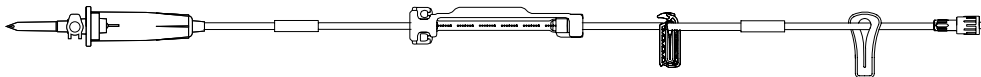
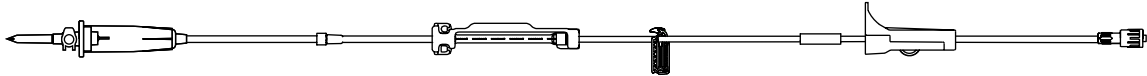
Space Pump Accessories



Space Power Cord	8713112D	1
Space Pole Clamp (Speed Clamp)	8713131	1
Combi Lead Cable	8713133	1
Interface Cable	8713230	1

See page D19 for special IV pole developed for Space Infusion System Pumps

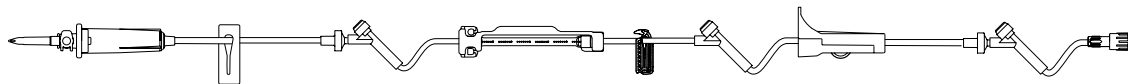
Infusomat® Space Pump Sets without Injection Sites

Description	Product Code	Unit Per cs
Infusomat Space Pump IV Administration Set		
 <p>A detailed line drawing of the Infusomat Space Pump IV Administration Set. It features a universal spike on the left, followed by a roller clamp, a free-flow protection clamp, a slide clamp, a SPIN-LOCK connector, and a drip chamber on the right.</p>	362035	24
<p>(15 drops/mL) Universal spike, roller clamp, free-flow protection clamp, slide clamp, SPIN-LOCK® connector. Components are not made with DEHP or natural rubber latex. Priming volume: 22 mL, Length: 122 in. (310 cm)</p>		
Infusomat Space Pump IV Administration Set with Microbore Tubing for Epidural Administration		
 <p>A detailed line drawing of the Infusomat Space Pump IV Administration Set with Microbore Tubing for Epidural Administration. It includes a universal spike, a free-flow protection clamp, a slide clamp, a SPIN-LOCK connector, and a drip chamber.</p>	490038	24
<p>(60 drops/mL) Universal spike, free-flow protection clamp, slide clamp, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 11 mL, Length: 129 in. (328 cm)</p>		
Infusomat Space Pump Low Absorption Set		
 <p>A detailed line drawing of the Infusomat Space Pump Low Absorption Set. It consists of a universal spike, a free-flow protection clamp, a roller clamp, a SPIN-LOCK connector, and a drip chamber.</p>	490037	24
<p>(60 drops/mL) Universal spike, free-flow protection clamp, roller clamp, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 24 mL, Length: 130 in. (330 cm)</p>		

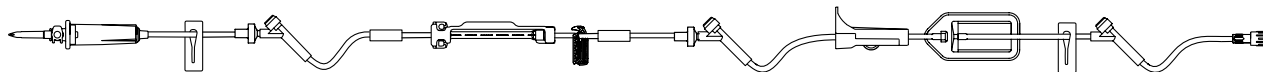
Infusomat® Space Pump Sets with SAFELINE® Needleless IV System

Description	Product Code	Unit Per cs
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Infusomat Space Pump IV Administration Sets

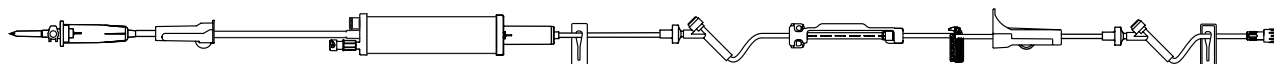


(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, three SAFELINE injection sites 93 in., 60 in. and 6 in. above distal end, free-flow protection clamp, roller clamp, backcheck valve, slide clamp. SPIN-LOCK® connector. Components are not made with DEHP or natural rubber latex. Priming volume: 22 mL, Length: 119 in. (302 cm)	362032	24
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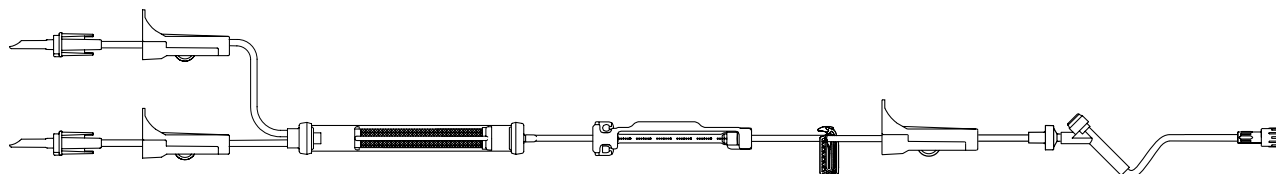
(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, 3 SAFELINE injection sites 105 in., 72 in., and 6 in. above distal end, backcheck valve, Supor® Membrane 0.2 micron air eliminating filter, roller clamp, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 27 mL, Length: 133 in. (338 cm)	362050	24
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Infusomat Space Pump Burette Sets without Automatic Shutoff



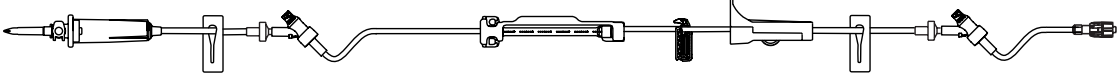
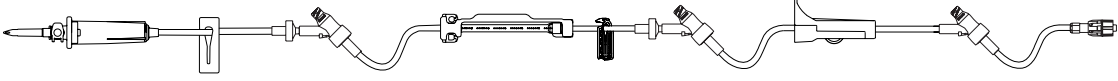
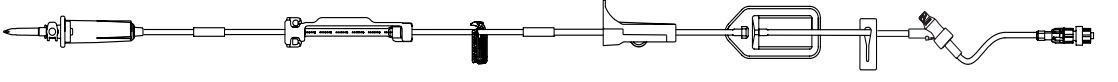
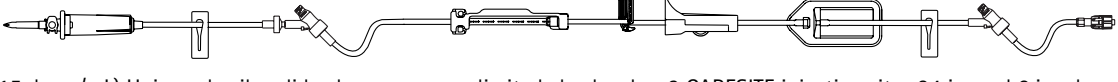
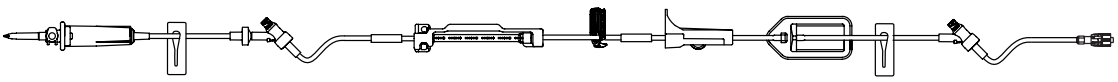
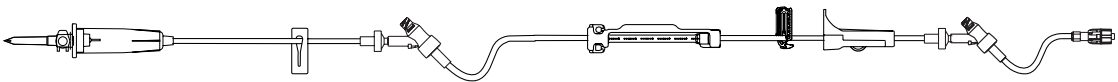
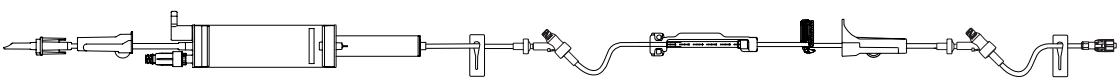
(60 drops/mL) Non-vented spike, roller clamp, 150 mL burette with 15 micron air guard filter and SAFELINE injection site, slide clamp, pressure limited check valve, flow restrictor, two SAFELINE injection sites 86 in. and 6 in. above distal end, free-flow protection clamp, roller clamp, backcheck valve, slide clamp, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 21 mL, Length: 121 in. (307 cm)	362034	20
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Infusomat Space Pump Y-Type Blood Set

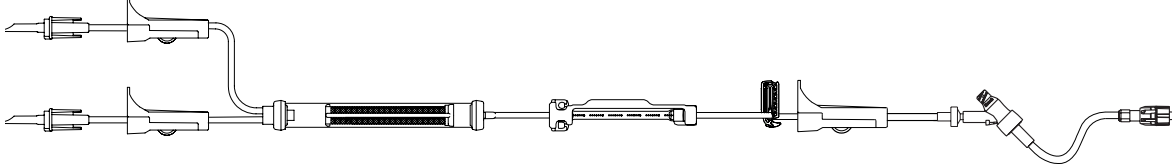
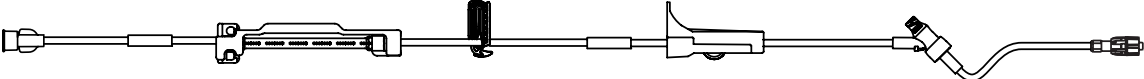


(10 drop) Two non-vented spikes, three roller clamps, 170 micron blood filter, free-flow protection clamp, SAFELINE injection site 6 in. above distal end, backcheck valve, SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 40 mL, Length: 123 in. (312 cm)	362043	24
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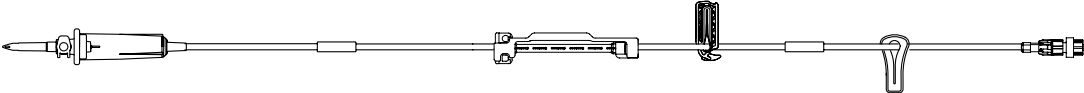
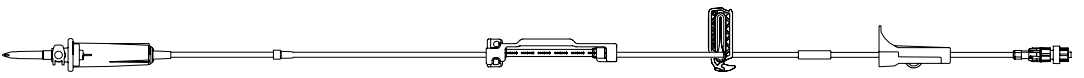
Infusomat® Space Pump Sets with CARESITE® Needleless IV System

Description	Product Code	Unit Per cs
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, 2 CARESITE injection sites 93 in. and 6 in. above distal end, free-flow protection clamp, backcheck valve at distal Y-site, roller clamp, slide clamps, SPIN-LOCK® connector. Components are not made with DEHP or natural rubber latex. Priming volume: 22 mL, Length: 120 in. (305 cm)</p>	490102	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, 3 CARESITE injection sites 96 in., 60 in., and 6 in. above distal end, free-flow protection clamp, backcheck valve, roller clamp, slide clamp, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 23 mL, Length: 123 in. (312 cm)</p>	490100	24
 <p>(15 drops/mL) Universal spike, free-flow protection clamp, roller clamp, SUPOR® 0.2 micron air-eliminating filter, slide clamp, CARESITE injection site 6 in. above distal end, SPIN-LOCK connector. Priming volume: 23 mL, Length: 119 in. (302 cm)</p>	470119	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, 2 CARESITE injection sites 94 in. and 6 in. above distal end, free-flow protection clamp, roller clamp, SUPOR 0.2 micron air-eliminating filter, slide clamp, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 24 mL, Length: 120 in. (305 cm)</p>	490103	24
 <p>(15 drops/mL) Universal spike, pressure limited check valve, SUPOR® 1.2 micron air-eliminating filter, 2 CARESITE injection sites 95 in. and 6 in. above distal end, roller clamp, slide clamps, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 25 mL, Length: 124 in. (313 cm)</p>	362033	24
 <p>(60 drops/mL) Universal spike, slide clamp, pressure limited check valve, 2 CARESITE injection sites 92 in. and 6 in. above distal end, free-flow protection clamp, roller clamp, flow restrictor, backcheck valve at distal Y-site, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 21 mL, Length: 118 in. (300 cm)</p>	490104	24
 <p>(60 drops/mL) Non-vented spike, roller clamp, 150 mL burette with 15 micron air guard filter and CARESITE injection site, slide clamp, pressure limited check valve, 2 CARESITE injection sites 88 in. and 6 in. above distal end, free-flow protection clamp, backcheck valve, roller clamp, flow restrictor, backcheck valve at distal Y-site, slide clamp, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 21 mL, Length: 130 in. (330 cm)</p>	490101	20

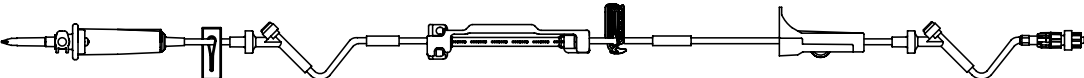
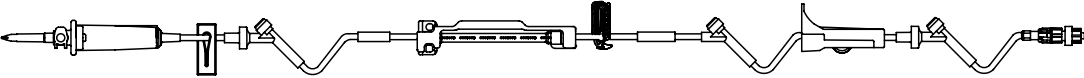
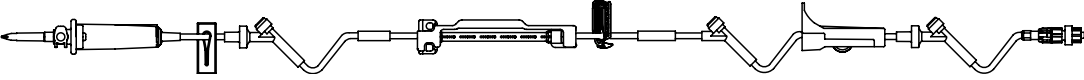
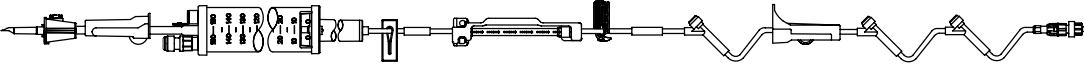
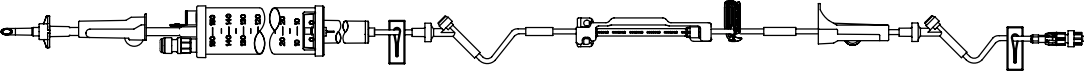
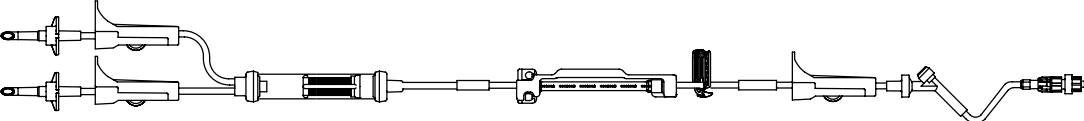
Infusion Systems

Description	Product Code	Unit Per cs
Infusomat Space Pump Sets with CARESITE Needleless IV System (continued)		
	490105	24
<p>(10 drop) Two non-vented spikes, two roller clamps, 170 micron blood filter, free-flow protection clamp, roller clamp, backcheck valve, CARESITE injection site 6 in. above distal end, SPIN-LOCK connector, backcheck valve. Components are not made with natural rubber latex. Priming volume: 41 mL, Length: 129 in. (328 cm)</p>		
	362911	24
<p>Infusomat Space 1/2 pump set, roller clamp, CARESITE injection site and SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 14 mL, Length: 84 in. (212 cm)</p>		

Infusomat® Space Pump Sets without Injection Sites and with Pre-attached ASV Valve

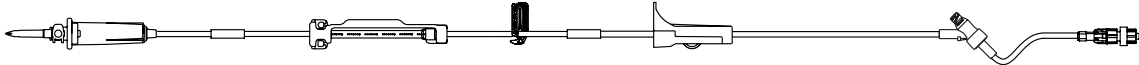

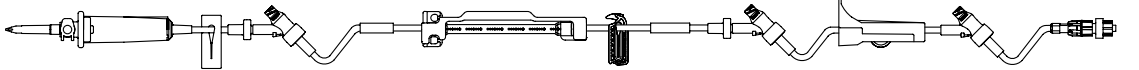
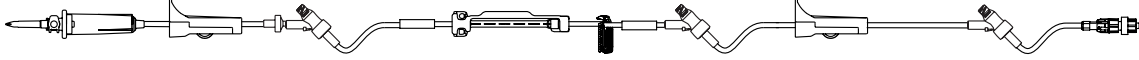
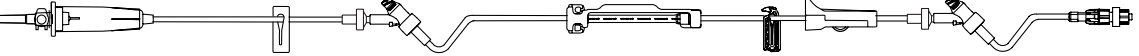
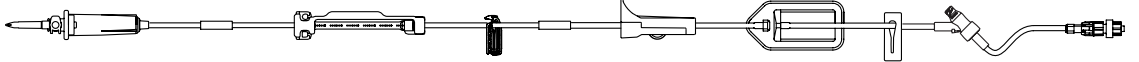
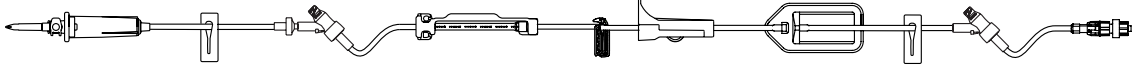
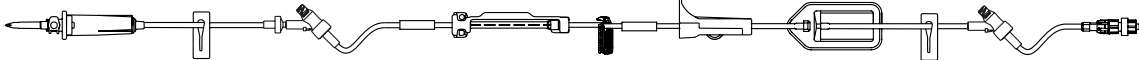
Description	Product Code	Unit Per cs
 <p>(15 drops/mL) Universal spike, roller clamp, slide clamp, SPIN-LOCK® connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 22 mL, Length: 123 in. (311 cm)</p>	363904	24
 <p>(60 drops/mL) Epidural, Universal spike, free flow protection clamp, slide clamp, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 11 mL, Length: 129 in.</p>	363901	24
 <p>(60 drops/mL) Low Adsorption, Universal spike, free flow protection clamp, roller clamp, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 25 mL, Length: 130 in.</p>	363902	24

Infusomat® Space Pump Sets with SAFELINE® Needleless IV System and Pre-attached ASV Valve

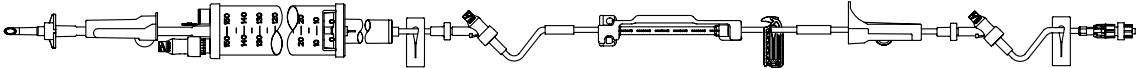
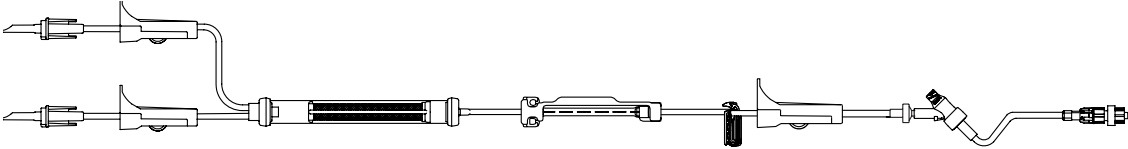
Description	Product Code	Unit Per cs
 <p>(60 drops/mL) Universal spike, slide clamp, pressure limited check valve, two SAFELINE injection sites, 82 in. and 6 in. above distal end, free flow protection clamp, roller clamp, flow restrictor before distal injection site, SPIN-LOCK® connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 22 mL, Length: 118 in.</p>	363021	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, three SAFELINE injection sites, 104 in., 70 in. and 6 in. above distal end, free flow protection clamp, roller clamp, slide clamp, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 22 mL, Length: 120 in. (305 cm)</p>	363030	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, three SAFELINE injection sites, 103 in., 60 in. and 8 in. above distal end, free flow protection clamp, roller clamp, slide clamp, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 25 mL, Length: 134 in. (339 cm)</p>	363033	24
 <p>(20 drops/mL) Non-vented spike, roller clamp, 150 mL burette with 15 micron air guard filter and SAFELINE injection site, slide clamp, free flow protection clamp, three SAFELINE injection sites 62 in., 36 in. and 6 in. above distal end, roller clamp, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 20 mL, Length: 119 in.</p>	363032	24
 <p>(60 drops/mL) Non-vented spike, roller clamp, 150 mL burette with 15 micron air guard filter and SAFELINE injection site, slide clamp, pressure limited check valve, two SAFELINE injection sites 71 in. and 6 in. above distal end, free flow protection clamp, roller clamp, flow restrictor, slide clamp, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 20 mL, Length: 127 in.</p>	363010	24
 <p>Two non-vented spikes, two roller clamps, 170 micron blood filter, free flow protection clamp, roller clamp, SAFELINE injection site 6 in. above distal end, SPIN-LOCK connector. Removable anti-siphon valve. Not made with natural rubber latex. Priming volume: 40 mL, Length: 123 in.</p>	363019	24

Infusion Systems


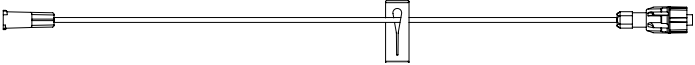
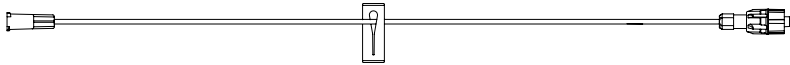
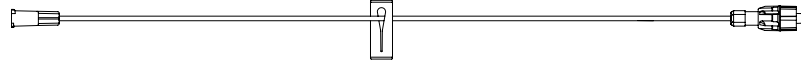
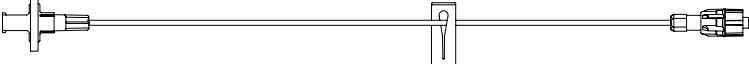
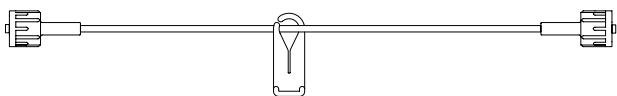
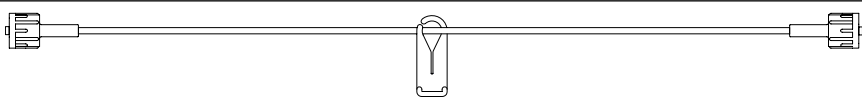
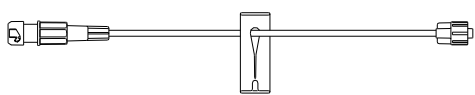
Infusomat® Space Pump Sets with CARESITE® Needleless IV System and Pre-attached ASV Valve

Description	Product Code	Unit Per cs
 <p>(15 drops/mL) Universal spike, roller clamp, CARESITE injection site, SPIN-LOCK® connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 22 mL, Length: 119 in. (301 cm)</p>	363411	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, two CARESITE injection sites 88 in. and 6 in. above distal end, free flow protection clamp, backcheck valve at distal Y-site, roller clamp, slide clamp, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 22 mL, Length: 120 in.</p>	363421	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, three CARESITE injection sites, 104 in., 70 in. and 6 in. above distal end, free flow protection clamp, backcheck valve, roller clamp, SPIN-LOCK® connector. Removable anti-siphon valve. DEHP-free, Latex-free. Priming volume: 22 mL, Length: 120 in. (305 cm)</p>	363430	24
 <p>(15 drops/mL) Universal spike, pressure limited check valve, two roller clamps, slide clamps, three CARESITE injection sites, backcheck valve, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 22 mL, Length: 120 in. (303 cm)</p>	363433	24
 <p>(60 drops/mL) Universal spike, slide clamp, pressure limited check valve, two CARESITE injection sites 82 in. and 6 in. above distal end, free flow protection clamp, roller clamp, flow restrictor, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 21 mL, Length: 118 in.</p>	363423	24
 <p>(15 drops/mL) Universal spike, UV-resistant tubing, free flow protection clamp, roller clamp, SUPOR® 0.2 micron air eliminating filter, slide clamp, CARESITE injection site 6 in. above distal end, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 23 mL, Length: 119 in.</p>	363410	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, two CARESITE injection sites 82 in. and 6 in. above distal end, free flow protection clamp, roller clamp, SUPOR 0.2 micron air eliminating filter, slide clamp, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 124 mL, Length: 120 in.</p>	363420	24
 <p>(15 drops/mL) Universal spike, pressure limited check valve, roller clamp, slide clamps, 1.2 micron air eliminating filter, two CARESITE injection sites, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 25 mL, Length: 124 in. (313 cm)</p>	363424	24

Infusion Systems

Description	Product Code	Unit Per cs
Infusomat Space Pump Sets with CARESITE Needleless IV System and Pre-attached ASV Valve (continued)		
		
<p>(60 drops/mL) Non-vented spike, roller clamp, 150 mL burette with 15 micron air guard filter and CARESITE injection site, slide clamp, pressure limited check valve, two CARESITE injection sites 71 in. and 6 in. above distal end, free flow protection clamp, roller clamp, flow restrictor, backcheck valve at distal Y-site, slide clamp, SPIN-LOCK connector. Removable anti-siphon valve. Not made with DEHP or natural rubber latex. Priming volume: 21 mL, Length: 130 in.</p>	363422	24
		
<p>Two non-vented spikes, two roller clamps, 170 micron blood filter, free flow protection clamp, roller clamp, CARESITE injection site 6 in. above distal end, SPIN-LOCK connector. Removable anti-siphon valve. Not made with natural rubber latex. Priming volume: 39 mL, Length: 120 in.</p>	363419	24

Syringe Sets

Description	Product Code	Unit Per cs
Syringe Pump Fluid Path Microbore Extension Sets – Polyethylene lined		
 <p>Female luer and distal male SPIN-LOCK®, slide clamp. Microbore extension set, 0.02 in. ID. Components are not made with DEHP or natural rubber latex. Priming volume: 0.3 mL, Length: 36 in. (91 cm)</p>	V6220	50
 <p>Female luer and distal male SPIN-LOCK, slide clamp. Microbore extension set, 0.03 in. ID. Use with higher flow rates and viscous fluids. Components are not made with DEHP or natural rubber latex. Priming volume: 0.6 mL, Length: 36 in. (91 cm)</p>	V6203	50
 <p>Female luer and distal male SPIN-LOCK, slide clamp. Microbore extension set, 0.02 in. ID. Components are not made with DEHP or natural rubber latex. Priming volume: 0.5 mL, Length: 60 in. (152 cm)</p>	V6222	50
 <p>Female luer and distal male SPIN-LOCK, slide clamp. Microbore extension set, 0.03 in. ID. Use with higher flow rates and viscous fluids. Components are not made with DEHP or natural rubber latex. Priming volume: 0.8 mL, Length: 60 in. (152 cm)</p>	V6223	50
 <p>0.2 micron filter, female luer and distal male SPIN-LOCK, slide clamp. Microbore extension set, 0.03 in. ID. Components are not made with DEHP or natural rubber latex. Priming volume: 1.3 mL, Length: 60 in. (152 cm)</p>	V6215	50
Syringe Pump Fluid Path Microbore Extension Sets		
 <p>Proximal and distal male luer locks. Microbore extension set, 0.04 in. ID., slide clamp. Components are not made with DEHP or natural rubber latex. Priming volume: 0.6 mL, Length: 31 in. (79 cm)</p>	V5450	50
 <p>Proximal and distal male luer locks. Microbore extension set, 0.04 in. ID., slide clamp. Components are not made with DEHP or natural rubber latex. Priming volume: 1.2 mL, Length: 63 in. (160 cm)</p>	V5456	50
Extension Set with SAFELINE® Split Septum Injection Site		
 <p>SAFELINE split septum injection site, removable slide clamp, microbore tubing, male luer lock connector. Components are not made with DEHP or natural rubber latex. Priming volume: 0.42 mL, Length: 7 in. (17.8 cm)</p>	NF1310	50

Infusion Systems

General Purpose Infusion Systems

Description	Product Code	Unit Per cs
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Outlook® 100ES Safety Infusion System



The Outlook 100ES Safety Infusion System is designed to help prevent IV medication errors. The Outlook 100ES features an improved color display, up to 15 customizable Care Areas within the DoseGuard™ drug library along with the ability to continually display dosing limits using a novel visual display. Loading dose and bolus capabilities, hard and soft limits, RateGuard™ rate limits, clinical advisories, and enhanced battery capability make the Outlook 100ES the logical choice for hospitals of any size who need a safe, reliable and easy to use infusion pump.

Outlook 100ES Infusion Device	621-100ES	1
Syringe Holder	FZ0054	24

Outlook® 200ES Safety Infusion System



The Outlook 200ES Safety Infusion System incorporates all of the enhanced features found in the Outlook 100ES. It also includes the patented DoseScan™ technology, which uses bar codes to help ensure that the right patient receives the right medication at the right dose by the authorized clinician at the point of care. Flexible scan options allow for greater choices in meeting a hospital's bar coding needs including DoseGuard/RateGuard Override Scan, Bolus Authorization Scan, and Dual Clinician Scan for critical medications.

Outlook 200ES Infusion Device	621-200ES	1
Syringe Holder	FZ0054	24
Outlook ES Hand Held Scanner	FZ00621HHS	1

Outlook® 300ES Safety Infusion System



The Outlook 300ES Safety Infusion System incorporates all of the features and technology found in the Outlook 200ES as well as the patented DoseCom™ feature. The DoseCom feature in the Outlook 300ES allows the transmission of real-time infusion data across a hospital's existing 802.11 a, b, or g wireless network. The Outlook 300ES is also compatible with the DoseTrac® Infusion Management Software for evaluating the safety, efficiency and efficacy of your IV therapy process.

Outlook 300ES Infusion Device	621-300ES	1
Syringe Holder	FZ0054	24
Outlook ES Hand Held Scanner	FZ00621HHS	1

General Purpose Infusion Systems

Description	Product Code	Qty.
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Outlook® 400ES Safety Infusion System



The Outlook 400ES Safety Infusion System incorporates all of the features and technology found in the Outlook 300ES plus the ability to use bi-directional wireless data to provide a method to customize communications for your institution's infusion therapy needs. The Outlook 400ES is also compatible with the DoseTrac® Infusion Management Software for evaluating the safety, efficiency and efficacy of your IV therapy process.

Outlook 400ES Infusion Device	621-400ES	1
Syringe Holder	FZ0054	24
Outlook ES Hand Held Scanner	FZ00621HHS	1

DoseTrac® Infusion Management Software

DoseTrac's mix of real-time information and retrospective reporting is the key to reaching the highest level of patient safety at your facility. It provides insight that can inform protocol changes to reduce unnecessary alerts¹, educate staff to drive up to 100% drug library compliance², and designed to reduce adverse drug events (ADE)³ due to misprogrammed infusion pumps.



DoseTrac Outlook Infusion Management System, Implementation and Clinical Analysis Program Tier 1 for Outlook ES (for up to 99 pumps)

DTESTR1	1
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DoseTrac Outlook Infusion Management System, Implementation and Clinical Analysis Program Tier 2 for Outlook ES (for 100 to 299 pumps)

DTESTR2	1
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DoseTrac Outlook Infusion Management System, Implementation and Clinical Analysis Program Tier 3 for Outlook ES (for 300 to 499 pumps)

DTESTR3	1
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DoseTrac Outlook Infusion Management System, Implementation and Clinical Analysis Program Tier 4 for Outlook ES (for 500 or more pumps)

DTESTR4	1
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Configuration Management Application Software



The Configuration Management Application (CMA) software is a powerful tool that enables your facility to store, organize and download drug library files to the Outlook 400ES infusion device using the wireless network of the hospital. The CMA software is designed to save valuable time and money by eliminating the need to locate and manually program drug library updates into the infusion pumps. Most important, the CMA software increases patient and clinician safety by providing the most up-to-date drug library information.

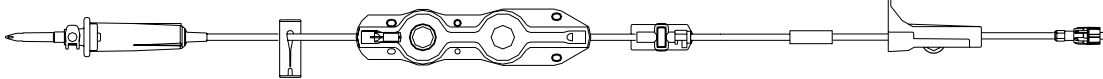
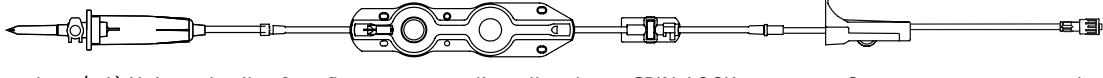
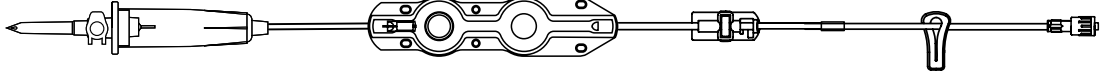
Configuration Management Application Software

FZ621CMASW	1
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1. Sullivan, C. (2015). Are You Connected? Get Ready to Reduce Alarms, Avoid Alarm Fatigue and Improve Patient Safety. American Association of Critical-Care Nurse National Teaching Institute, San Diego, CA
 2. Zavotsky, K. (2015). Exemplary Implementation and Utilization of Smart Pump Technology. American Association of Critical-Care Nurse National Teaching Institute, San Diego, CA
 3. Raso, R., Velletri, J., & DiCrescento, S. (2009). Improving Medication Safety through Technology and Practice.

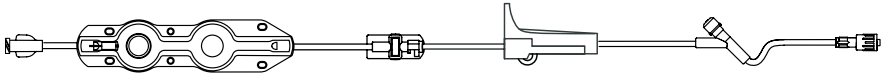
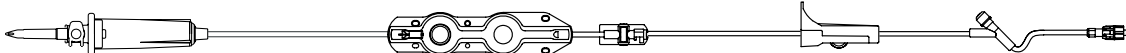
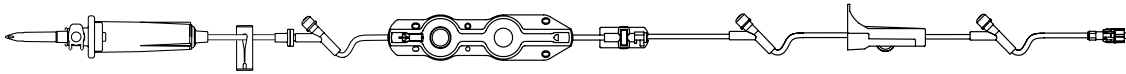
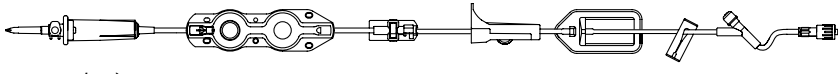
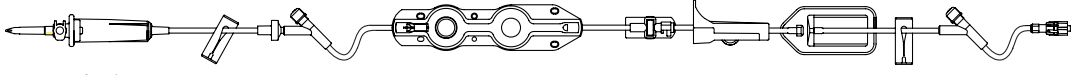
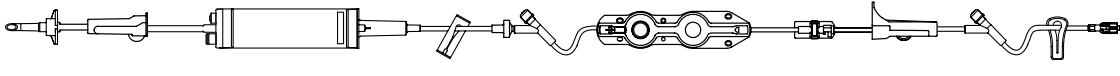
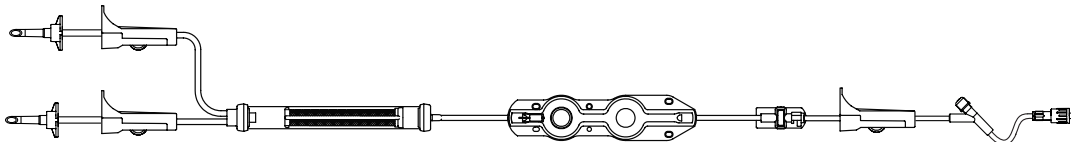
Outlook® Safety Infusion System Pump Sets without Injection Sites

For Use with Outlook Safety Infusion System and Horizon NXT® Pumps

Description	Product Code	Unit Per cs
 <p>(15 drops/mL) Universal spike, UV resistant tubing, slide clamp, free-flow protector clip, roller clamp, SPIN-LOCK® connector. Components are not made with natural rubber latex. Priming volume: 21 mL, Length: 93 in. (236 cm)</p>	352475	24
Outlook Pump Universal Spike Nitroglycerin Set – Low Adsorption with Polyethylene-lined Tubing		
 <p>(60 drops/mL) Universal spike, free-flow protector clip, roller clamp, SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 30 mL, Length: 138 in. (343 cm)</p>	V7450	24
Outlook Pump Primary Administration Set with Micro Tubing for Epidural Administration		
 <p>(60 drops/mL) Universal spike, green/yellow striped tubing, free-flow protector clip, slide clamp, SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 16 mL, Length: 124 in. (315 cm)</p>	V7453	24

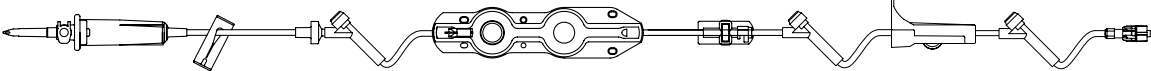
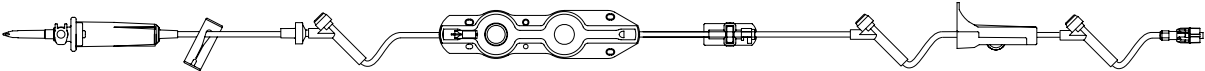
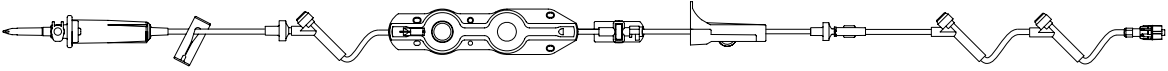
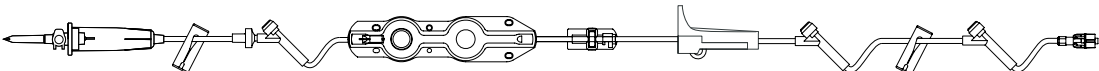
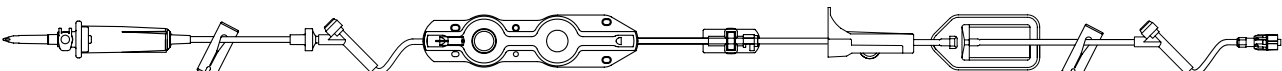

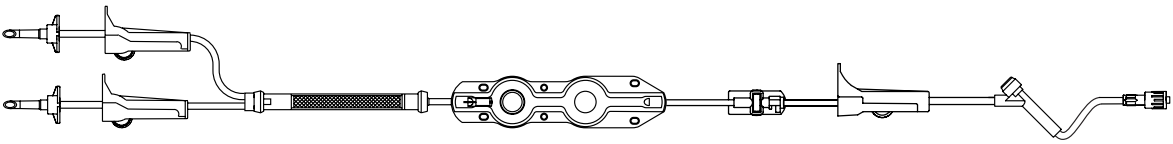
Outlook® Safety Infusion System Pump Sets with Standard Injection Sites

For Use with Outlook Safety Infusion System and Horizon NXT® Pumps

Description	Product Code	Unit Per cs
Outlook Pump Add-On Set  <p data-bbox="134 474 1203 527">Female luer lock connector, free-flow protector clip, roller clamp, injection site 6 in. above distal end, SPIN-LOCK® connector. Components are not made with natural rubber latex. Priming volume: 18 mL, Length: 90 in. (229 cm)</p>	V7400	24
Outlook Pump Administration Set  <p data-bbox="134 659 1216 714">(15 drops/mL) Universal spike, free-flow protector clip, roller clamp, injection site 6 in. above distal end, SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 30 mL, Length: 132 in. (335 cm)</p>	V7405	24
Outlook Pump ADDitIV® Primary Administration Set with Backcheck Valve  <p data-bbox="134 863 1240 942">(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, injection sites 105 in., 68 in. and 6 in. above distal end, free-flow protector clip, roller clamp, SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 28 mL, Length: 132 in. (335 cm)</p>	V7410	24
Outlook Pump Filterflow® Filtered Administration Sets  <p data-bbox="134 1083 1232 1163">(15 drops/mL) Universal spike, free-flow protector clip, roller clamp, 0.2 micron filter, slide clamp, injection site 6 in. above distal end, SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 25 mL, Length: 115 in. (292 cm)</p>	352461	24
 <p data-bbox="134 1262 1248 1341">(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, 2 injection sites, free-flow protector clip, roller clamp, 1.2 micron filter, slide clamp, SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 23 mL, Length: 111 in. (282 cm)</p>	352425	24
Outlook Pump Measured Volume Solution Administration Set with Automatic Shutoff  <p data-bbox="134 1493 1211 1600">(60 drops/mL) Non-vented spike, roller clamp, 150 mL burette chamber with 15 micron air guard, filter, slide clamp, pressure limited check valve, free-flow protector clip, roller clamp, injection sites 84 in. and 6 in. above distal end, SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 25 mL, Length: 120 in. (305 cm)</p>	375118	20
Outlook Pump Blood Administration Set  <p data-bbox="134 1814 1240 1894">(10 drops/mL) Y-Type, non-vented spikes, two roller clamps, drip chamber with 170 micron blood filter, free-flow protector clip, roller clamp, injection site 6 in. above distal end, SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 46 mL, Length: 131 in. (332 cm)</p>	V7490	24

Infusion Systems

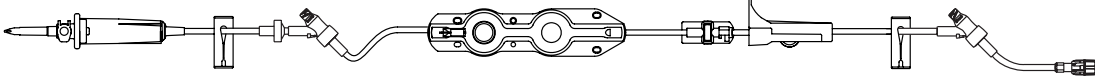
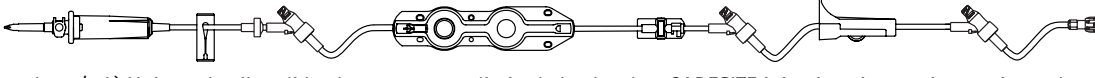
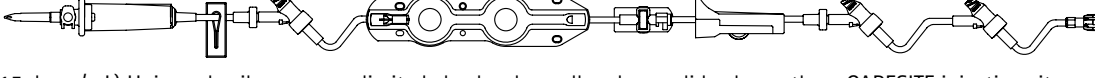


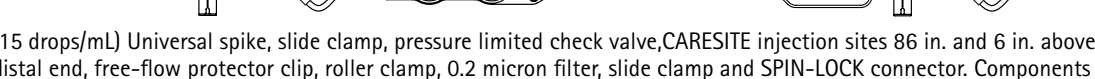
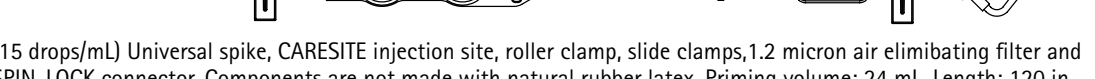
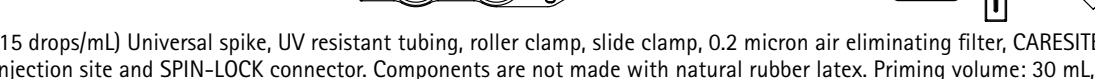
Outlook® Safety Infusion System Pump Sets with SAFELINE® Injection Sites

Description	Product Code	Unit Per cs
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, SAFELINE split septum injection sites 94 in., 69 in. and 6 in. above distal end, free-flow protector clip, roller clamp, SPIN-LOCK® connector. Priming volume: 24 mL, Length: 120 in. (305 cm)</p>	NF3106	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, SAFELINE split septum injection sites 108 in., 68 in. and 6 in. above distal end, free-flow protector clip, roller clamp, SPIN-LOCK connector. Priming volume: 27 mL, Length: 134 in. (340 cm)</p>	NF3140	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, SAFELINE split septum injection sites 108 in., 68 in. and 6 in. above distal end, free-flow protector clip, roller clamp, backcheck valve, SPIN-LOCK connector. Priming volume: 28 mL, Length: 122 in. (310 cm)</p>	NF3140-10	24
 <p>(60 drops/mL) Universal spike, pressure limited check valve, SAFELINE split septum injection sites 94 in., 68 in. and 6 in. above distal end, free-flow protector clip, roller clamp, flow restrictor, slide clamp, SPIN-LOCK connector. Priming volume: 24 mL, Length: 120 in. (305 cm)</p>	NF3191	24
 <p>(15 drops/mL) Universal spike, pressure limited check valve, SAFELINE split septum injection sites 98 in. and 6 in. above distal end, free-flow protector clip, roller clamp, 0.2 micron filter, slide clamp, SPIN-LOCK® connector. Priming volume: 26 mL, Length: 122 in. (310 cm)</p>	352430	24
 <p>(60 drops/mL) Non-vented spike, roller clamp, 150 mL burette chamber with SAFELINE Injection site and 15 micron filter, slide clamp, pressure limited check valve, free-flow protector clip, roller clamp, SAFELINE split septum injection sites 84 in. and 6 in. above distal end, slide clamp, SPIN-LOCK connector. Priming volume: 24 mL, Length 120 in. (305 cm)</p>	375122	20
 <p>(10 drops/mL) Y-type, non-vented spikes, two roller clamps, drip chamber with 170 micron blood filter, free-flow protector clip, roller clamp, SAFELINE split septum injection site 6 in. above distal end, SPIN-LOCK connector. Priming Volume: 46 mL, Length: 138 in. (351 cm)</p>	NF3120	24

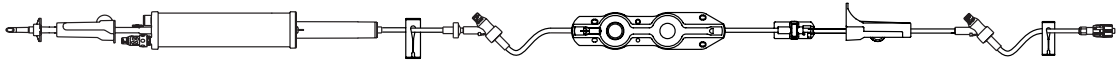
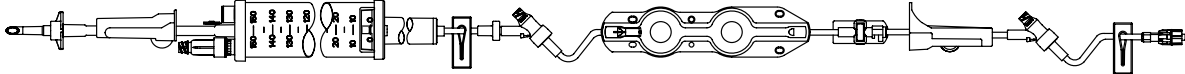
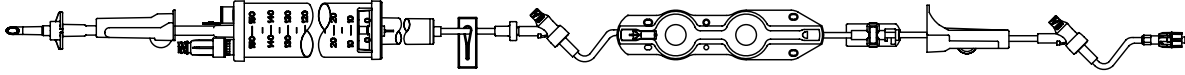
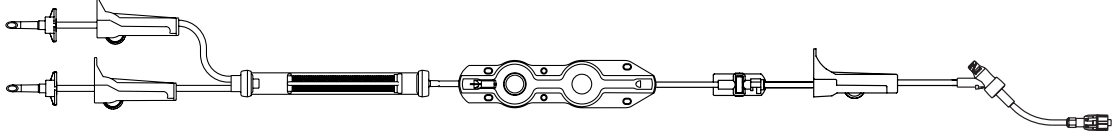
Infusion Systems

Outlook® Safety Infusion System Pump Sets with Needleless Injection Sites

For Use with Outlook Safety Infusion System and Horizon NXT® Pumps

Description	Product Code	Unit Per cs
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, CARESITE® injection sites 103 in. and 6 in. above distal end, free-flow protector clip, roller clamp, slide clamp and SPIN-LOCK® connector. Components are not made with natural rubber latex. Priming volume: 27 mL, Length: 129 in. (328 cm)</p>	354212	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, CARESITE injection sites 88 in., 68 in. and 6 in. above distal end, free-flow protector clip, roller clamp and SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 27 mL, Length: 134 in. (340 cm)</p>	354213	24
 <p>(15 drops/mL) Universal spike, pressure limited check valve, roller clamp, slide clamp, three CARESITE injection sites, backcheck valve and SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 27 mL, Length: 134 in. (340 cm)</p>	352034	24
 <p>(60 drops/mL) Universal spike, roller clamp, slide clamp, pressure limited backcheck valve, two CARESITE injection sites and SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 27 mL, Length: 127 in. (321 cm)</p>	US3181	24
 <p>Female luer lock connector, free-flow protector clip, ULTRASITE® injection site 6 in. above distal end, slide clamp, SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 9 mL, Length: 88 in. (224 cm)</p>	352458	24
 <p>(15 drops/mL) Universal spike, slide clamp, pressure limited check valve, CARESITE injection sites 86 in. and 6 in. above distal end, free-flow protector clip, roller clamp, 0.2 micron filter, slide clamp and SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 26 mL, Length: 119 in. (302 cm)</p>	354214	24
 <p>(15 drops/mL) Universal spike, CARESITE injection site, roller clamp, slide clamps, 1.2 micron air eliminating filter and SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 24 mL, Length: 120 in. (303 cm)</p>	474004	24
 <p>(15 drops/mL) Universal spike, UV resistant tubing, roller clamp, slide clamp, 0.2 micron air eliminating filter, CARESITE injection site and SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 30 mL, Length 119 in. (304 cm)</p>	352033	24

Infusion Systems

Description	Product Code	Unit Per cs
 <p>(60 drops/mL) Non-vented spike, roller clamp, 150mL burette chamber without automatic shutoff, with CARESITE® valve and 15 micron air guard filter, slide clamp, pressure limited check valve, with CARESITE valve and 15 micron free-flow protector clip, roller clamp, CARESITE injection sites 84 in. and 6 in. above distal end, slide clamp, SPIN-LOCK® connector. Components are not made with natural rubber latex. Priming volume: 25 mL, Length: 120 in. (305 cm)</p>	354215	20
 <p>(20 drops/mL) Non-vented spike, roller clamp, 150mL burette chamber without automatic shutoff, 15 micron air guard filter, pressure limited check valve, roller clamp, slide clamps, two CARESITE injection sites and SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 25 mL, Length: 120 in. (303 cm)</p>	375512	20
 <p>(60 drops/mL) 150mL burette with automatic shutoff, 15 micron air guard filter, pressure limited check valve, roller clamp, slide clamp, two CARESITE injection sites and SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 25 mL, Length: 120 in. (303 cm)</p>	375511	20
 <p>(10 drops/mL) Y-type blood set, non-vented spikes, two roller clamps, drip chamber with 170 micron blood filter, free-flow protector clip, roller clamp, CARESITE injection site 6 in. above distal end and SPIN-LOCK connector. Components are not made with natural rubber latex. Priming volume: 46 mL, Length 130 in. (330 cm)</p>	354216	24

Infusion Pump

Description	Product Code	Unit Per cs
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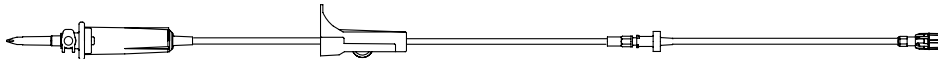
Vista® basic Infusion Pump



The Vista basic Infusion Pump is designed to ensure simplicity during every phase of the infusion process – from programming and set installation to delivery of therapy. Key features include: Pump and set-based free flow protection; Straight-line tubing; Quick start-up for continuous infusions by entering rate and volume, then press START; Program Mode and Ramp/Taper Mode; Helpful prompts to walk the user through the programming process; A lightweight yet durable design.

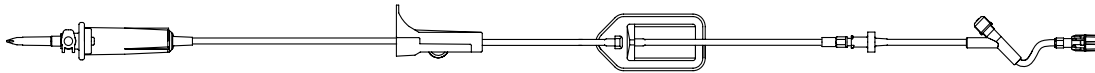
Vista basic Infusion Pump	637-202	1
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Vista basic Infusion Pump Set without Injection Sites

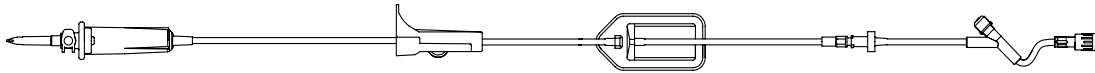


(15 drops/mL) Universal spike, roller clamp, free flow protection device 28 in. above distal end, SPIN-LOCK® connector. Components are not made with DEHP or natural rubber latex. Priming volume: 17 mL, Length 108 in. (274 cm)	V9905	50
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Vista basic Infusion Pump Set with Standard Injection Site



(15 drops/mL) Universal spike, roller clamp, 0.2 micron filter, free flow protection device 28 in. above distal end, standard injection site 6 in. above distal end, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 20 mL, Length: 119 in. (300 cm)	V9902F	50
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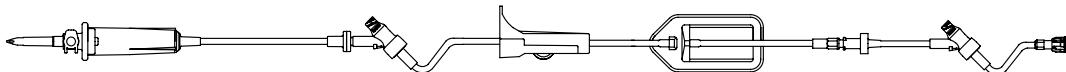


(15 drops/mL) Universal spike, roller clamp, 1.2 micron filter, free flow protection device 28 in. above distal end, standard injection site 6 in. above distal end, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 22 mL, Length: 117 in. (287cm)	352456	50
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Vista basic Infusion Pump Set with Needleless Injection Site



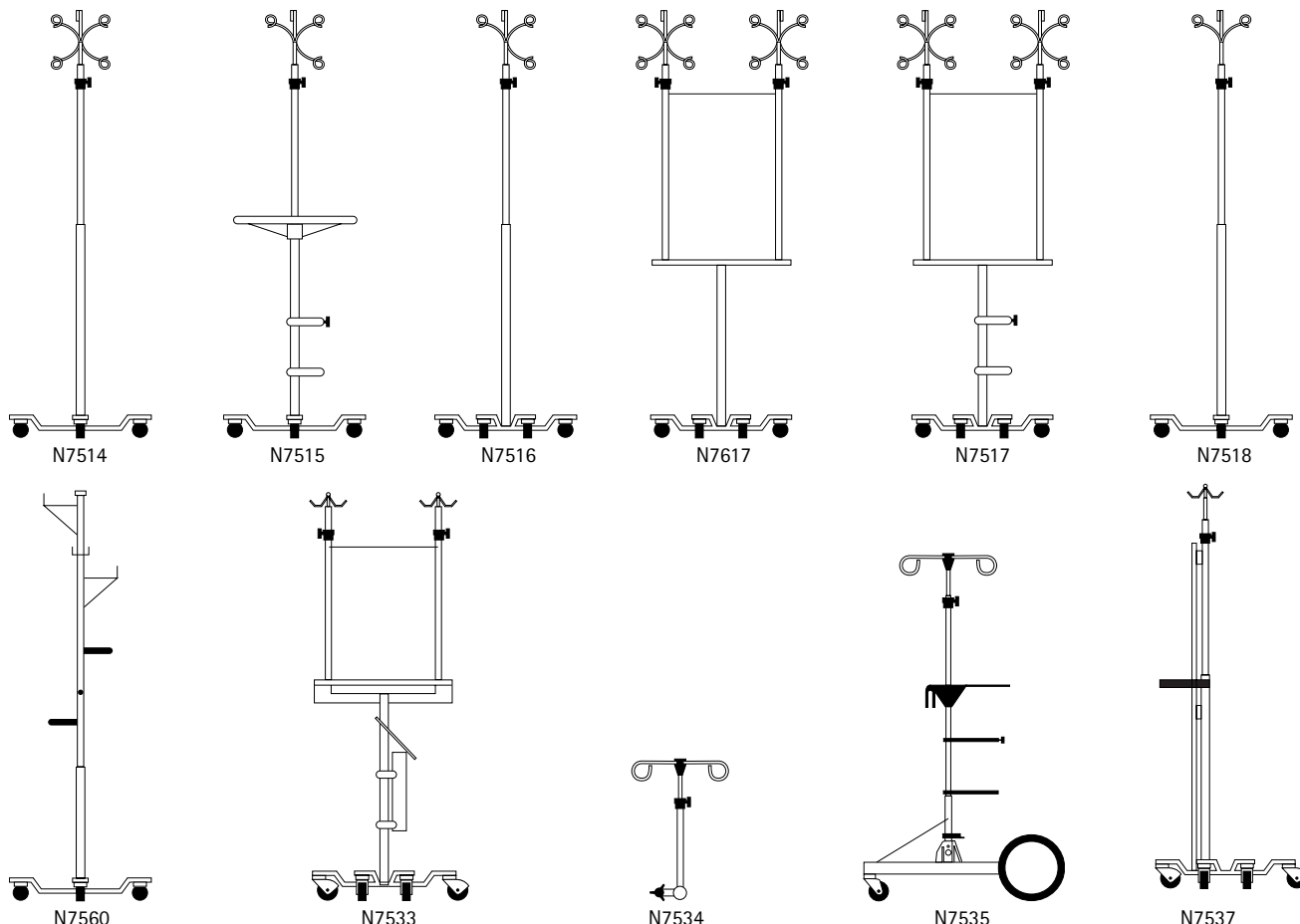
(15 drops/mL) Universal spike, roller clamp, free flow protection device 28 in. above distal end, ULTRASITE® injection site 6 in. above distal end, SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 17 mL, Length: 104 in. (264 cm)	352419	50
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(15 drops/mL) Universal spike, 2 backcheck valves, CARESITE® injection sites 80 in. and 6 in. above distal end, roller clamp, 0.2 micron air eliminating filter, free flow protection and SPIN-LOCK connector. Components are not made with DEHP or natural rubber latex. Priming volume: 23 mL, Length: 124 in. (313 cm)	US9923F	50
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Infusion Systems

Description	Product Code	REF Number	Unit Per cs
IV Poles and Stands			
Custom IV stand, four legs with heavy duty casters and piggyback hook	N7514	N7514	1
Custom Patient Pal® IV Stand with patient hand grip, heavy duty casters, oxygen cylinder platform, piggyback hook, four legs	N7515	N7515	1
Custom IV stand, six legs with heavy duty casters and piggyback hook	N7516	N7516	1
Custom multi-device stand for Outlook® Pump, six legs with heavy duty casters and piggyback hooks	N7617	N7617	1
Custom IV multi-device stand with attachment designed to hold 4 devices, six legs with heavy duty casters, 4 plug adapter, oxygen cylinder platform and piggyback hook	N7517	N7517	1
Custom utility IV stand with five legs	N7518	N7518	1
SAF-T-POLE™ irrigation tower, for Arthroscopic, TUR and other surgeries with large fluid requirements	N7560	N7560	1
Trans-Pal® IV stand with six legs. Features include pole connection to patient bed, support wheel with tray and 2 telescoping stainless steel poles with rake top	N7533	N7533	1
Versa Pole® telescoping stainless steel IV pole with 2 stainless steel hooks. Attaches to bed headboard or gurney during transport. Pole is 24" fully extended and features slow descending inner pole	N7534	N7534	1
Walk 'N' Roller® IV pole for homecare. Pole unfolds from a compact, highly portable position with no assembly required. Pole features easy rolling wheels and support handle for enhanced patient stability. Available with oxygen tank holder.	N7535	N7535	1
Custom IV multi device stand, six legs, modified Omni-Pal™ stand (not pictured).	N7717	N7717	1
Custom IV multi device stand, six legs, support wheel, utility tray and oxygen ring holder	N7514	N7514	1
Custom IV multi stand for Space Infusion Pumps, support handle, rake top, six legs	N7537	N7537	1



Infusion Systems

SAF-T-POLE is a trademark of American Medical Manufacturing, Inc.
 Omni-Pal is a trademark and Patient Pal, Trans-Pal, Versa Pole and Walk 'N' Roller are registered trademarks of Pryor Products, Inc.

General Ordering Information and Terms of Sale

Thank you for your interest in B. Braun Medical Inc. ("B. Braun") products. The following provisions set forth the terms and conditions on which B. Braun sells its products.

Terms of Sale: Purchase of any products sold by B. Braun shall be subject to and expressly limited by the terms and conditions contained herein. No changes to, waiver of, or addition to any of these terms and conditions shall be effective unless agreed to in writing and signed by B. Braun. Buyer acknowledges and agrees that these terms and conditions supersede the terms and conditions of any purchase order or other documentation used by Buyer and, except for delivery and billing addresses, and quantities prices and items ordered, any conflicting or additional terms are void and have no effect, but that Buyer may place orders by use of purchase orders and other documentation for its convenience purposes only. Notwithstanding the foregoing, B. Braun reserves the right at any time to amend these terms and conditions, and Buyer shall be deemed to accept such amended terms and conditions by ordering products herein offered after the date of such amendment. Additional special terms and conditions of B. Braun may be applicable with respect to certain products.

Minimum Order Quantity: All products must be ordered in full case quantities. Orders received with a value of less than \$250.00 will be subject to a handling charge of \$40.00. Wholesalers and Distributors are subject to a handling charge of \$75.00 for orders less than \$1,000.00.

Prices: All pricing quotes must be documented in writing and signed by B. Braun to be valid. Prices quoted, unless otherwise stated, refer to full case quantities. All prices are firm for 30 days from the date quoted. B. Braun reserves the right to change the prices and specifications of its products at any time without notice.

Products purchased from distributors will be at the prices set by those distributors and subject to the terms and conditions of sale of the distributor.

Tax Information: Any tax, assessment, duty, custom or other fee of any nature imposed upon the products, their sale, transportation, delivery, use or consumption shall be paid by Buyer in addition to the price quoted or invoiced. If B. Braun is required to prepay any such tax or fee, Buyer will reimburse B. Braun. Buyer must provide B. Braun with a resale/exemption certificate in order to avoid the withholding of applicable taxes. No refund or adjustment to previously withheld taxes will be made by B. Braun sixty (60) days after the invoice date. Proof of certification should be mailed to: B. Braun Medical Inc., 824 Twelfth Avenue, Bethlehem, PA 18018-0027.

Payment: Payment terms are net 30 days from date of invoice. Credit card payments will not be accepted without prior approval from B. Braun. Buyer's obligation to pay outstanding invoices and all other amounts is absolute and unconditional and is not subject to any abatement, reduction, set-off, defense, counterclaim, interruption, deferment or recoupment for any reason whatsoever. Balances remaining unpaid at due date are subject to an interest charge of 1.5% per month or the highest rate permitted by law, whichever is lower, until paid.

Any discounts, rebates, administrative fees, credits, or other fees due or owed to Buyer will be applied against delinquent balances before payment or reimbursement is made.

Any disputed amounts should be reported immediately and remitted with the undisputed amount by the payment due date. If B. Braun agrees with the billing dispute, B. Braun will credit Buyer the amount of the agreed-upon billing dispute. All billing disputes must be made within six (6) months of the applicable invoice date, or will be deemed to be waived.

B. Braun reserves the right in its sole discretion to require prepayment from any Buyer at any time and may refuse to sell and/or withhold further shipment until all overdue balances are made current. Buyer shall be liable for, and shall reimburse B. Braun for all costs and expenses it may incur in connection with collection of any amounts owed to B. Braun or enforcement of its rights, including without limitation, reasonable attorneys' fees and expenses, court costs, and cost of collection agencies.

Returned Goods Policy: Product returns are subject to the following conditions:

1. All returns are subject to the prior authorization of B. Braun, in its discretion. Buyer must notify Customer Support at (800) 227-2862 and complete a Return Request Form. The Return Request Form requires lot numbers, quantities and catalog numbers along with a specific reason for return. Customer Support will either authorize or deny the request for return. Only items appearing on an approved Return document are acceptable for return. Product returns will only be accepted from the original purchaser. Product returns will not be accepted from third party return companies. Unauthorized returns will be destroyed and no credit issued. All authorized returned goods must be shipped freight prepaid to the B. Braun location indicated on the Return document, except B. Braun will pay freight costs for Product shipped-in-error.
2. All Products returned within 30 days of delivery are subject to a 25% restocking charge, except for Products shipped-in-error. Products returned after 30 days are considered excess stock and will be eligible for 50% credit. No Products will be accepted for return after 90 days from the date of delivery.

3. Subject to paragraph 2 above, credit will be issued at the net purchase price for all authorized returns provided:
 - a. Products have at least one year shelf-life remaining, or products with original expiration dating of eighteen months or less have at least six months shelf-life remaining.
 - b. Proper authorization has been obtained prior to return of products.
 - c. Products are in their original packaging.
 - d. Products are current inventory items.
 - e. The Products have been shipped and billed to Buyer by B. Braun, and Buyer has paid for said Products.

4. Certain Products are not eligible for return. These are:
 - a. Products that have deteriorated because of improper storage, handling, abuse or other factors.
 - b. Products that have been opened, partly used or which the labels or seals have been removed or tampered.
 - c. Products that have been involved in a special promotion sale.
 - d. Broken, damaged or opened cases. Resealed cartons are not eligible for return.
 - e. Special products made to Buyer's specification.
 - f. Sets over two (2) years old, flush syringe products, infusion systems devices, related accessories and IV poles.
5. Products that are to be returned for repair (e.g., medical device equipment) must be accompanied by an approved Repair Notification.

Expiration Date: On dated products, the expiration date is shown as a month and year, e.g., August 2012, 8/12. The date of expiration is the last day of the given month, e.g., August 31, 2012.

Credits for returned goods are conditioned upon B. Braun's inspection and approval of such goods upon their return. If B. Braun determines, in its discretion, that any returned goods are not eligible for return due to any of the reasons provided in paragraph 4 above, Buyer will not receive a credit, even if an Return document was issued. No advance credits will be accepted.

Warranty: With respect to disposable products, B. Braun warrants to the original purchaser that, at time of delivery, each standard product manufactured by B. Braun shall be free of defects in material and workmanship and, when used for the purposes and indications described on the labeling, is fit for the purposes and indications described on the labeling. All warranties for a product shall expire as of product expiration date, or if none, after one (1) year from the date of shipment from B. Braun. B. Braun's warranty hereunder shall not apply if: (i) a product is not used in accordance with its instructions or if it is used for a purpose not indicated on the labeling, (ii) any repairs, alterations or other work has been performed by Buyer or others on such item, other than work performed with B. Braun's authorization and according to its approved procedures; or (iii) the alleged defect is a result of abuse, misuse, improper maintenance, accident or the negligence of any party other than B. Braun. The warranty set forth herein is conditioned upon proper storage, installation, use and maintenance in accordance with applicable written recommendations of B. Braun. The warranty furnished hereunder does not extend to damage to items purchased hereunder resulting in whole or in part from the use of components, accessories, parts or supplies not furnished by B. Braun.

B. Braun's sole obligation shall be to repair or replace, at B. Braun's option, any defective component or item and pay transportation expenses for such replacement. Buyer shall provide labor for the removal of the defective component or item and installation of its replacement at no charge to B. Braun. Buyer shall bear all risk of loss or damage to returned goods while in transit. In the event no defect or breach of warranty is discovered by B. Braun upon receipt of any returned item, the item will be returned to Buyer at Buyer's expense and Buyer will reimburse B. Braun for the transportation charges, labor and associated charges incurred in testing the allegedly defective item.

Except as expressly provided herein, B. Braun makes no representation or warranty of any kind, expressed or implied with respect to any products, parts or services provided by B. Braun including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Products distributed, but not manufactured, by B. Braun are not warranted by B. Braun and Buyer must instead rely on the representations and warranties, if any, provided directly to Buyer by the manufacturer of such product. The sole and exclusive remedy for breach of any warranty is limited to the remedies provided in the paragraph above.

Warranties for infusion system devices are provided in a separate warranty document.

Miscellaneous:

1. Any required notices shall be given in writing, in the case of B. Braun, at the address set forth below, and in the case of Buyer, at the address designated on Buyer's purchase order or to such other address as either party may substitute by written notice to the other and shall be deemed given upon personal delivery, overnight delivery or three days following deposit in the mail.
2. Except as expressly provided herein, no changes or modifications to, or waiver of, any of these terms and conditions shall be valid or binding on either party unless in writing and signed by an authorized representative of each party. B. Braun's failure or delay to exercise or enforce any of its rights hereunder shall not constitute or be deemed to be a waiver of such rights or forfeiture of such rights, and B. Braun may, at its option, from time to time, exercise any of its rights or remedies.
3. These Terms bind Buyer and its successors and permitted assigns.
4. B. Braun will use its reasonable efforts to fill orders, but B. Braun shall not be liable for nonperformance or delays caused by a shortage of raw materials, manufacturing problems, delivery or labor problems, priorities, acts of regulatory agencies or judicial bodies, discontinuation of a product line, acts of God or third parties, infringement claims, or other causes beyond its reasonable control. Buyer agrees that in such events B. Braun may allocate products among all purchasers as it deems reasonable, without liability.
B. Braun reserves the right from time to time to substitute a product with a product that has the same function as such product, or to delete a product.
5. The products are sold subject to Pennsylvania law. These terms and any dispute or claim relating to these terms or the sale of products ("Claim") shall be governed by and construed under Pennsylvania law, notwithstanding its law of conflicts of law. If any Claim cannot be settled amicably between the parties, such Claim shall be tried by a court and not a jury. Buyer expressly and unconditionally waives its rights to a jury trial in any such Claim.
6. B. Braun shall promptly deliver written notice or verbal, followed by written, notice of any recall of Product. Should the recall require Products be removed from the market, B. Braun shall, to the extent reasonably possible and at B. Braun's option, replace any such recalled Products as soon as practicable with comparable Products not subject to such recall or repair any such recalled Products and return them to Buyer.
7. Buyer may not change, adulterate, obscure, remove or deface trademarks, tradenames or labels appearing on any Product of B. Braun.
8. If the pricing offered by B. Braun to a Buyer constitutes a discount or other reduction in price under Section 1128(b)(3)(a) of the Social Security Act 42 U.S.C. 1320a-7b(b)(3)(a), and C.F.R. § 1001.952(h), Buyer shall disclose the discount or reduction in price to the fullest extent required under any state or federal program that provides cost or charge-based reimbursement to Buyers for products. This act requires, among other things, that Buyer fully and accurately report on any claim or request for payment it submits to Medicare and Medicaid the actual purchase price paid by Buyer for products, net of any discounts, rebates or allowances provided hereunder. Buyer may also be required, upon request, to provide documentation of the discount or other reduction in price to the Secretary of Health and Human Services.
9. In all cases, all intellectual property rights in and to, and all technology relating to, the Products supplied to Buyer, their design and all improvements thereto or thereof, whether or not such Product, design or improvement is made pursuant to Buyer's specifications or at Buyer's expense, shall be and remain the exclusive property of B. Braun.
10. Any knowledge or information that Buyer may disclose to B. Braun shall not be deemed to be confidential or proprietary information, and shall be acquired by B. Braun free from any restriction.
11. B. Braun shall not in any event be liable to buyer for any indirect, incidental, special, punitive or consequential damages (including any damage for lost profits), or otherwise arising out of or in connection with furnishing of products, parts or service hereunder, or the performance, use of, or inability to use any products, parts or service, or otherwise, whether based in contract, warranty, tort, including without limitation, negligence, or any other legal or

equitable theory. B. Braun's total liability for any claim or action shall not exceed the purchase price of the products out of which such claim or action arose.

12. If any of the products are medical devices, Buyer acknowledges that it is familiar with the Safe Medical Devices Act of 1990 (the "Devices Act") and the reporting obligations imposed on device users thereunder. In this regard, Buyer agrees to notify B. Braun within ten (10) days of the occurrence of any event identified in the Devices Act imposing a reporting obligation on Buyer and/or B. Braun (except for events representing an imminent hazard that require notification to the United States Food and Drug Administration (the "FDA") within seventy-two hours, in which case, such notice will be delivered to the other party immediately). Buyer shall maintain adequate tracking for the products to enable B. Braun to meet the FDA requirements applicable to the tracking of medical devices.
13. Buyer shall purchase the products for its own use only, and shall not resell the products to any other party. Buyer represents it has examined the products and that they are acceptable and clinically suitable for its intended purposes.

Shipping:

1. Freight charges will be prepaid when orders are shipped via a transportation mode and carrier selected by B. Braun. Unless otherwise stated in an agreement, shipment of infusion systems devices will be made F.O.B. Origin.
2. When expedited delivery, specialized service, or alternate transportation modes are requested, or if requests are inconsistent with efficient distribution practices, an additional charge to cover the premium expense will be added to the invoice. Inside deliveries are subject to additional charges based on current common carrier rates or hourly rates. Palletized deliveries are encouraged.
3. Products will be shipped on a scheduled order and delivery basis. Orders shipped outside Buyer's order and delivery schedule may be subject to a handling charge of \$75.00. B. Braun will provide proof of delivery upon request.

Damage or Loss in Transit: Identity of items and extent of damage or loss must be noted on Buyer's copy of delivery document by the agent of the transportation company. If damage is discovered after receipt of shipment, notify the transportation company immediately and request that inspection be made and an inspection report rendered. Buyer must report concealed shortages or damages within palletized shipments to B. Braun Customer Support within 3 business days of delivery or credit will not be allowed. In addition, Buyer must provide B. Braun with a copy of Buyer's claim request accompanied by a delivery receipt or an inspection report upon which the transportation company has properly noted damage or loss, and B. Braun will issue a credit for the loss or damage and file a claim with the carrier. If such information is not received within ten (10) days of delivery, no credit will be issued.

Send copy of carrier freight bill to Customer Support indicating item and quantity damaged or not received.

Count and inspect your freight before carrier departs. Damaged merchandise should not be accepted.

Please forward all information to Attn: Customer Support, B. Braun Medical Inc., 901 Marcon Blvd., Allentown, PA 18109. (800) 227-2862.

For Order Placement: B. Braun welcomes orders either by telephone, fax, mail or electronically. For telephone orders, please call (800) 227-2862.

Faxed orders should be sent to: (610) 266-6122. For infusion devices, call (800) 627-7867 or fax (610) 266-2429. In Canada, please call (800) 624-2920 or fax (800) 624-2939. Mail orders should be directed to Attn: Customer Support, B. Braun Medical Inc., 901 Marcon Blvd, Allentown, PA 18109.

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AutoCOMPLETE	DoseScan	PinPad	Superset	
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BIG TAB	DoseTrac	HepatAmine	Omnican	PLEXUFIX	ULTRASITE
CAPS	Duosol	Horizon NXT	OMNIFIX	ProcalAmine	VISTA
CARESITE	DUPLEX	HESpan	ONGUARD	Prontosan	WHIN
ClearChoice-DCB	E3	Hyperlyte	Outlook	Rate Flow	
Clip Lock	ESPOCAN	Infusomat	PAB	SAFELINE	
Diacap	EXCEL	Isolyte	PENCAN	SAFSITE	
Diacap a Polysulfone	Filterflow	MICRO PIN	Perfusor	Solcart B	
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Dialog+	FreAmine	MULTI-AD	Physiolyte	SPINOCAN	

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