

# PhaSeal® System Components

## Preparation



### Protectors

The Protector is offered in various sizes for secure attachment onto any standard size drug vial.

*Sizes are listed to the right.*



Product	Neck Size	Chamber Capacity
Protector 14	13mm	20mL
Protector 21	20mm	20mL
Protector 28	28mm	60mL
Protector 50	20mm	50mL



OR



### Infusion Adapter (C100)

The Infusion Adapter provides a dry connection for preparing IV infusions and for spiking the administration set into the IV bag. It is compatible with all standard IV tubing.

### Secondary Set (C60)

This non-vented Secondary Set features a flow stop to facilitate priming of the Secondary Set from the bag prior to adding the drug. The universal spike, equipped with a Connector, enables safe, leakproof transfer of the drug to the IV bag.



### Injector Luer Lock

The Injector Luer Lock attaches to a standard syringe or IV tubing for a dry, leakproof connection during drug preparation and administration.

## Administration



OR



### Connector Luer Lock

The Connector Luer Locks (C35 and C45 above) are standard male luer locks that are designed to attach to IV ports for leakproof administration of IV push and infusion. Both are designed for optimal use with the Injector Luer Lock (N35). The C45 design is intended for use with needle-free ports with internal pistons.



### Y-Site Connector (C80)

The Y-Site Connector provides a dedicated dry connection port for infusions and IV pushes without interfering with other ports in use. Includes a permanently affixed Connector Luer Lock and is compatible with standard IV administration sets. 1.5mL priming volume.

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Product	REF	Carmel Order No.	Units/Case	NDC No.	Cardinal Order No.	Amerisource Order No.	HD Smith Order No.	McKesson Order No.	Owens & Minor Order No.	Morris & Dickson Order No.	Attentus Medical Order No.
Injector Luer Lock	N35	10350	200	33031000082	4227195	959502	2234037	1123777	1244010350	959692	10350
Protector 14	P14	21320	200	33031000009	3500899	405326	1490564	2429546	1244021320	427427	21320
Protector 21	P21	22020	200	33031000003	3500907	405377	1490572	2741361	1244022020	427435	22020
Protector 50	P50	22050	100	33031000006	3261377	405314	1490580	2741767	1244022050	427443	22050
Protector 28	P28	22860	100	33031000078	3957966	655550	2022580	1707801	1244022860	735878	22860
Connector Luer Lock	C35	31350	200	33031000019	4277562	004192	2301471	1877596	1244031350	009845	31350
Connector Luer Lock	C45	31450	200	33031000095	4238648	053918	2271732	1284918	1244031450	009852	31450
Y-Site Connector	C80	31800	120	33031000057	3904794	831026	1990670	1708353	1244031800	738013	31800
Infusion Adapter	C100	32100	200	33031000043	3514312	405264	1490606	1150887	1244032100	427484	32100
Secondary Set	C60	34600	80	33031000100	4277570	076834	2301489	1877729	1244034600	009860	34600
<b>NEW!</b> Hanger for IV-bag	M55	40550	160	33031000040	—	—	—	—	—	—	—
<b>NEW!</b> Cap for Injector	M50	40500	200	33031000032	—	—	—	—	—	—	—
Syringe Holder	M15	40150	120	33031000065	3381977	—	1795632	—	1244040150	529891	40150
Infusion Clamp	M25	40250	100	33031000097	4238655	—	2271740	1286251	1244040250	009878	40250
Assembly Fixture	M12	50120	1	33031000064	3496932	—	1559905	—	1244050120	762328	50120

## Material Specifications



The Assembly Fixture is used to attach Protectors onto the drug vial.



The Infusion Clamp holds the Injector Luer Lock and the Connector Luer Lock on the IV line during infusions.



The Syringe Holder is used to secure the filled Syringe Assembly during transport.



The Cap for Injector Membrane protects from direct contact with contaminated surfaces during transport and storage.

For more information, call 1-866-487-9250 or visit [www.PhaSeal.com](http://www.PhaSeal.com).

Connector Luer Lock	Lid	Polyethylene
	Connector Housing Luer Lock	Polypropylene
	Membrane	Thermoplastic Elastomer
Infusion Adapter	Infusion Spike Housing	Polypropylene
	Protective Cover/ Infusion Spike	Polypropylene
	Spike Port/Membrane	Thermoplastic Elastomer
Injector Luer Lock	Cannula	Stainless Steel
	Cylinder	Acrylonitrile Butadiene Styrene
	Membrane	Thermoplastic Elastomer
	Piston/Cannula Housing	Polypropylene
	Safety Sleeve	Polyoxymethylene
	Sealing	Silicone
Protector 14, 21, 50	Expansion Chamber	Polyamide/Polypropylene
	Protective Cover	Polyethylene
	Protector Housing/Filter Cover	Polypropylene
	Hydrophobic filter	Polytetrafluoroethylene
	Cannula	Stainless Steel
	Membrane	Thermoplastic Elastomer

Protector 28	Expansion Chamber	Polyamide/Polypropylene
	Protective Cover	Polyethylene
	Protector Housing/Filter Cover	Polypropylene
	Hydrophobic filter	Polytetrafluoroethylene
	Spike	Polypropylene
	Membrane	Thermoplastic Elastomer
Secondary Set with Drip Chamber	Spike	Acrylonitrile Butadiene Styrene
	Connector	Acrylonitrile Butadiene Styrene
	Membrane	Thermoplastic Elastomer
	Drip Chamber	DEHP-Free PVC
	Tubing	DEHP-Free PVC
	Protective Spike Cap	Polyethylene
	Roller Clamp	Acrylonitrile Butadiene Styrene
	Male Luer Lock	Acrylonitrile Butadiene Styrene
Y-Site Connector	Protective Cap	Polyethylene
	Connector Housing/ Female and Male Luer Lock	Acrylonitrile Butadiene Styrene
	Filter	Acrylic polymer
	Cap	Polyethylene
	Clamp	Polypropylene
	Tubing	PVC DEHP-Free
	Membrane	Thermoplastic Elastomer

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