FRESENIUS KABI

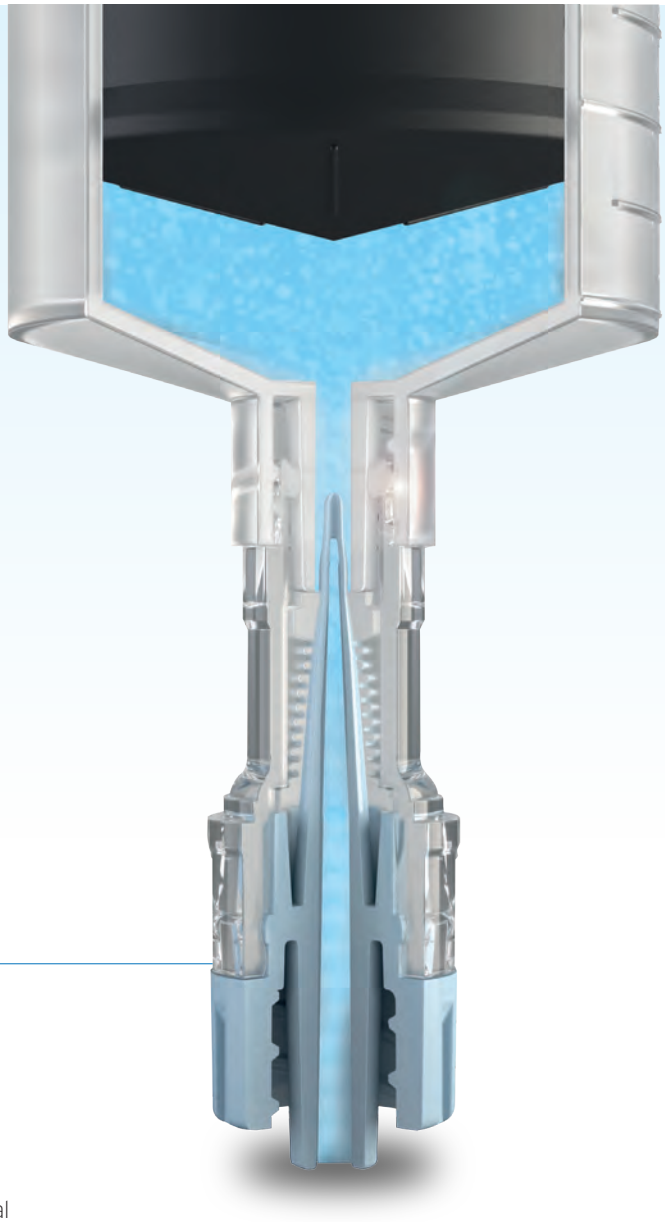
K-Zero®
Neutral displacement connector

Designed to help enhance safety for you and your patients.
Neutral value can help reduce the potential for catheter occlusions.

Please see the Instructions for Use for a full list of warnings and precautions associated with this device.

K-Zero®
Neutral displacement connector

Designed to **help minimize entry points for bacteria** between the connector's external surface and internal fluid path upon activation. **Can help to minimize the risk of bloodstream infections**.



Effective disinfection[1]

Tight seal between septum and housing. Smooth surface without any gaps or openings - easy to swab

No microbial ingress[1]

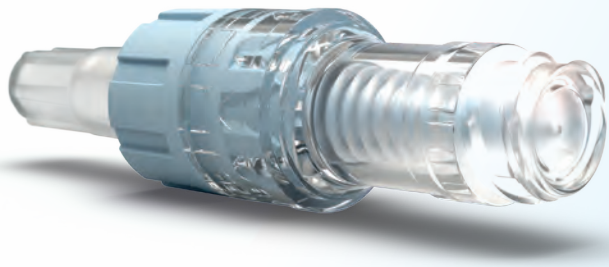
Split septum closes tightly after activation preventing entry for bacteria

May prevent contamination

Concave septum entry is designed to help prevent syringe tip slip-off and potential contamination

Low flushing volumes[1]

Straight fluid path offers zero dead space. Minimal residual volume allows for effective flushing - lower risk of blood stream infections



Low risk of catheter occlusions[1] – neutral displacement helps prevent blood reflux during connection/ disconnection of a syringe

Closes automatically after disconnection[1] – provides a microbial barrier which may help reduce the risk of catheter-related bloodstream infections

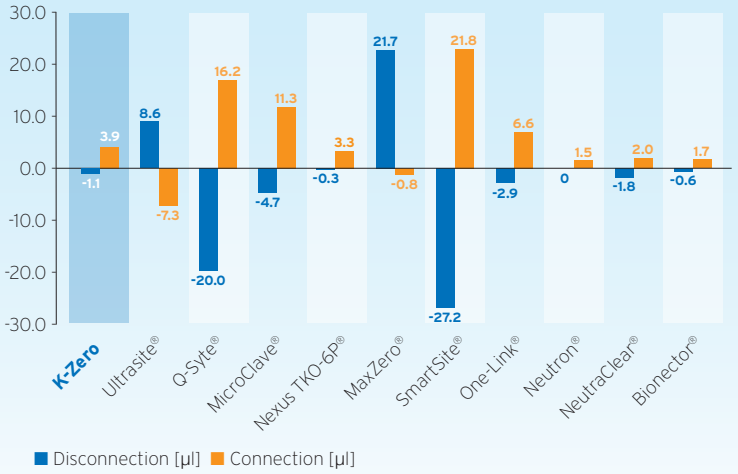
Versatile – can be used on peripheral or central venous catheters for the administration of blood, blood components, parenteral nutrition, fluids, and drugs

Power injector compatible up to 325 PSI[1] – K-Zero does not contain any metallic or ferromagnetic components and is suitable for contrast power injections

Will function effectively with or without clamping before disconnecting the male luer lock.

Fluid displacement[3]

K-Zero shows a low risk of occlusion due to minimal reflux



Microbial Ingress Study[1]

Simulation of repeated access and the use of the device in a lab setting to evaluate the microbial ingress over a seven-day period.

Inoculation with 4 microbes which are associated with blood stream infections.

Each device was repeatedly accessed, disinfected and flushed with saline to simulate a worst-case test scenario with more than 300 activations per device over a period of 7 days.

All test devices were negative for recovered test organism. The microbial ingress test shows that the applied disinfection is effective on K-Zero.

S. aureus, S. epidermis, E. coli & P. aeruginosa			
	Test Devices 1-48 (12 per bacteria type)	Positive Controls	Negative Controls
Day 1	0 CFU	+/+	0 CFU
Day 2	0 CFU	+/+	0 CFU
Day 3	0 CFU	+/+	0 CFU
Day 4	0 CFU	+/+	0 CFU
Day 5	0 CFU	+/+	0 CFU
Day 6	0 CFU	+/+	0 CFU
Day 7	0 CFU	+/+	0 CFU

Performance specifications[1]

Fluid displacement	-1.1 µL at disconnection, +3.9 µL at connection
Priming volume	0.07 mL
Flushing volume	2 mL
Flow rate	125 mL/min
Pressure, power injection	325 PSI (17 bar), 10 mL/s
Usage	7 days or up to 300 activations
Blood compatible	Yes
Lipid compatible	Yes
Materials	Silicone, MABS, Copolyester
Not made with natural rubber latex	Yes
Not made with DEHP	Yes
Compatible with Luer Lock and Luer Slip	Yes
Straight fluid path	Yes
Dead space (e.g. edges, barriers in the fluid path which particles could stick to)	None

Ordering information

Product description	Article number	Case quantity
K-Zero®	M79400849	400 pcs

References

1. Data on File

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