



Silver Knight™ anti-microbial breathing systems

Helping the fight against Hospital Acquired Infections



Anaesthesia ▪ Breathing Systems



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Protect with Silver Knight

In the continued fight against Hospital Acquired Infections, Intersurgical has developed the Silver Knight range of systems with an anti-microbial additive to further enhance patient safety. This anti-microbial, silver-based ion additive has been introduced to a range of breathing systems for both anaesthesia and intensive care use. Testing to ISO Standard 22196 shows a reduction in bacterial viable count by 99.9% against controls.¹

How does it work?

Silver Knight is an anti-microbial additive that uses silver ions to disrupt the normal enzymatic activities of bacteria. It functions as a safe, quick and effective catalyst to deactivate pathogenic bacteria and prevent their proliferation.

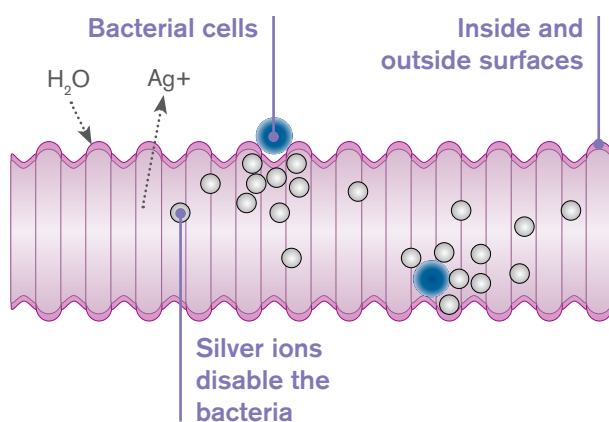
The silver ions bind with the bacteria and damage the cell wall, disrupting normal cellular functions and preventing further proliferation of the bacteria. The silver ions work through catalytic oxidation therefore they are not used up following a single reaction, it may catalyse an innumerable number of reactions. This is one reason for the effectiveness of silver as an anti-microbial agent.

Silver Knight is proven¹ to help reduce the incidence of MRSA infection and other organisms including *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Klebsiella pneumoniae*,

Acinetobacter baumannii and *Escherichia coli*. As shown in the graphs below, this technology will reduce microbial growth within, and on, the surface of the breathing systems.

Silver Knight breathing systems are all validated for up to seven days use, and remain active, in unopened packaging, for up to five years.

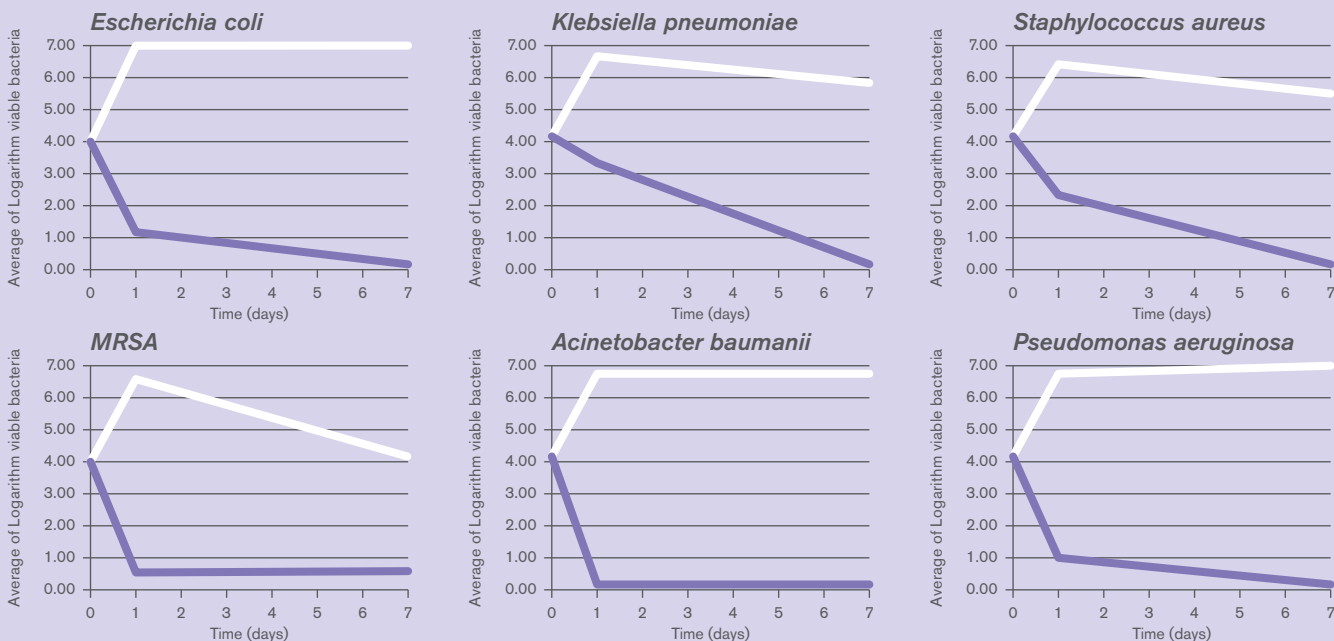
[Find out more](#) [Watch the video](#)



Comparison

Silver Knight Tube versus standard tube with no anti-microbial for a range of micro-organisms.

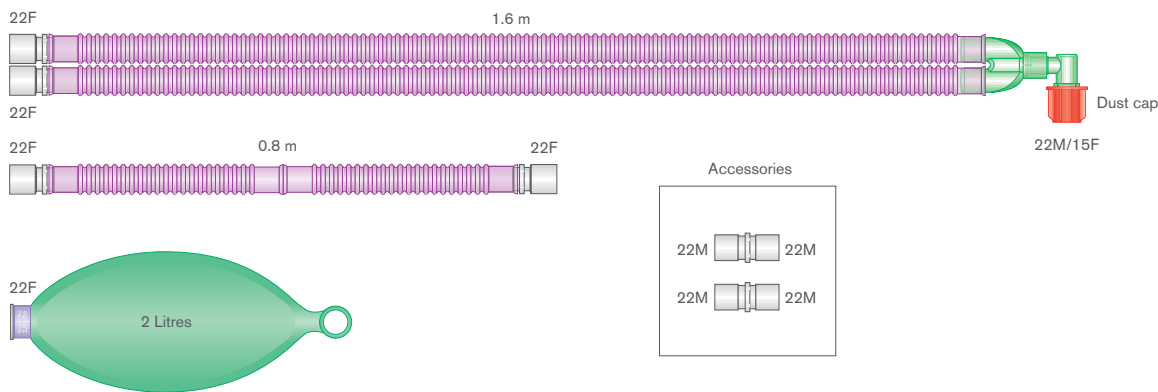
— Standard tube with no anti-microbial
— Silver Knight tube



The addition of Silver Ion anti-microbial additive to Intersurgical breathing system tubing greatly reduces the viable microbial count level over time. The tubing has demonstrated a long lasting anti-microbial affect against a broad range of micro-organisms responsible for Hospital Acquired Infections. References: 1. Intersurgical Ltd. Certified Independent Test Results, 2019.



Silver Knight™ Flextube breathing systems

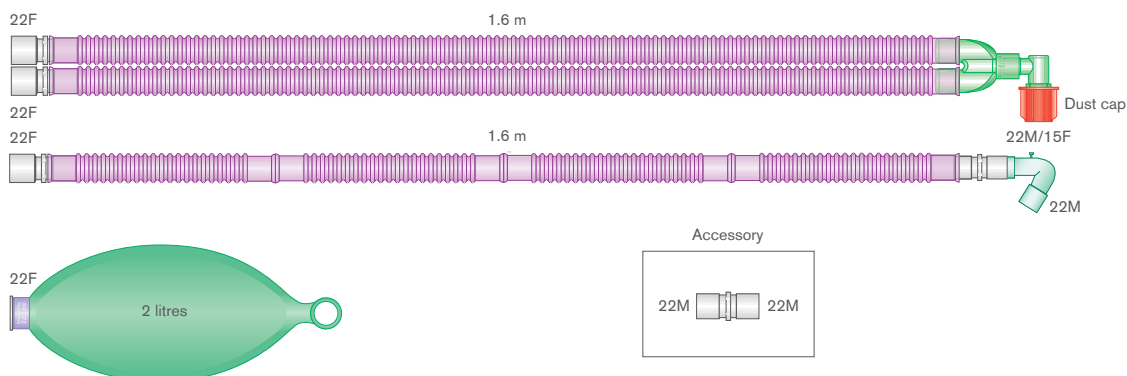


Code	Description	Box Qty.
2010100	22 mm Flextube Silver Knight anti-microbial breathing system with 2 L bag, and limb, ≥ 1.6 m	14
2011100	22 mm Flextube Silver Knight anti-microbial breathing system with 2 L bag, and limb, ≥ 2.4 m	14

Make an enquiry

Breathing systems for the Aisys®, Avance® and Aespire® Carestation®

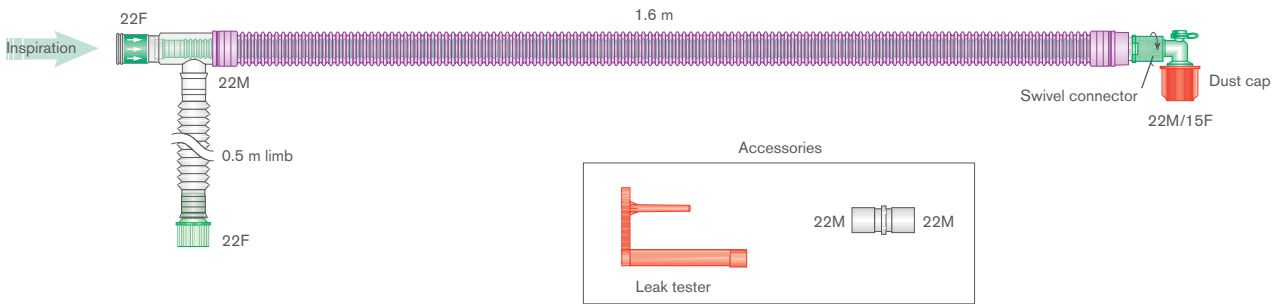
The Aisys®, Avance® and Aespire® Carestation® that are fitted with the Advanced Breathing System (ABS) require a breathing system with an elbow on the bagging limb that connects into the bag arm of the ABS. If the Carestation® is not fitted with the ABS, then a standard breathing system such as 2010100 would be appropriate.



Code	Description	Box Qty.
2010111	22 mm Flextube Silver Knight anti-microbial breathing system for use with Aisys®, Avance® and Aespire® Carestation® with 2 L bag, and limb, ≥ 1.6 m	15
2011106	22 mm Flextube Silver Knight anti-microbial breathing system for use with Aisys®, Avance® and Aespire® Carestation® with 2 L bag, and limb, ≥ 2.4 m	12
2011110	22 mm Flextube Silver Knight anti-microbial breathing system for use with Aisys®, Avance® and Aespire® Carestation® with 2 L bag, spirometry set, and limb, ≥ 2.4 m	12
2011116	22 mm Flextube Silver Knight anti-microbial breathing system for use with Aisys®, Avance® and Aespire® Carestation® with 2 L bag, spirometry set, and limb, ≥ 2.4 m	12

Make an enquiry

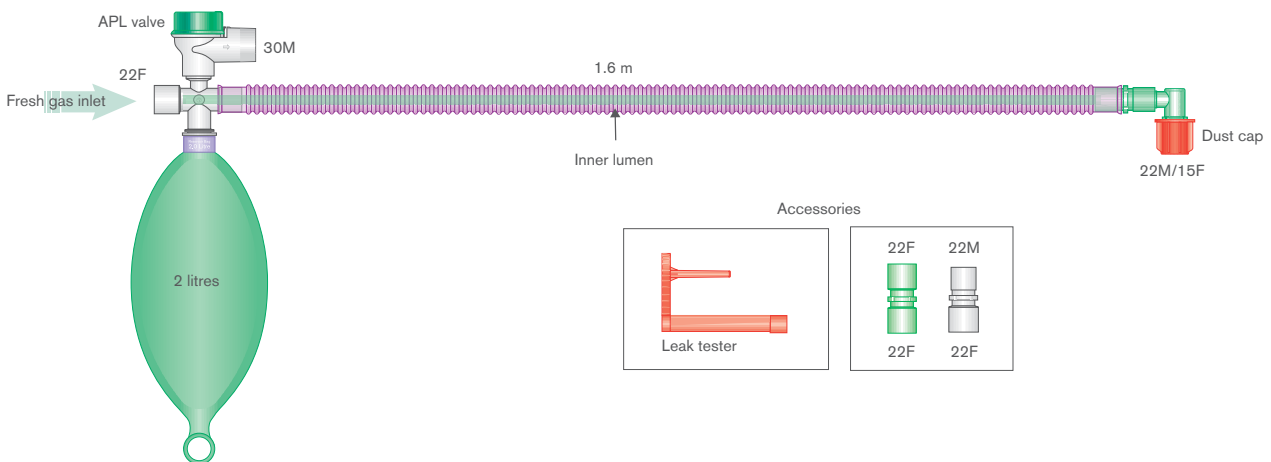
Silver Knight™ anti-microbial UniFlow™ coaxial breathing systems



Code	Description	Box Qty.
2900100	30 mm Silver Knight anti-microbial UniFlow coaxial breathing system with limb, ≥ 1.6 m	12
2901100	30 mm Silver Knight anti-microbial UniFlow coaxial breathing system with limb, ≥ 2.4 m	10
2902100	30 mm Silver Knight anti-microbial UniFlow coaxial breathing system with integral monitoring line and limb, ≥ 1.6 m	12
2903100	30 mm Silver Knight anti-microbial UniFlow coaxial breathing system with integral monitoring line and limb, ≥ 2.4 m	10

Make an enquiry

Mapleson D and Deluxe Bain coaxial breathing systems



Code	Description	Box Qty.
2115100	Silver Knight anti-microbial Mapleson D deluxe Bain coaxial breathing system with 2 L bag, ≥ 1.6 m	30

Make an enquiry
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The manufacturer Intersurgical Ltd is certified to ISO 14001:2015, ISO 9001:2015, ISO 13485:2016 and MDSAP

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