

Silver Knight® breathing systems - now includes the UniFlow™ systems



Infection control is a major area of concern in every hospital. Hospital Acquired Infections (HAIs) can vary from minor to life threatening and place additional clinical and financial burdens on the hospital. Reducing the numbers of bacteria in the hospital environment may help reduce the risk of cross infection and may significantly reduce the incidence and burden of HAIs. In recent years the incidence of HAI caused by one organism, Methicillin Resistant *Staphylococcus Aureus* (MRSA) have become much more prevalent. Other organisms including: *Staphylococcus epidermis*, *Pseudomonas aeruginosa*, *Klebsiella pneumoniae* and *Acinetobacter sp.* are also adding to the number of HAIs in hospitals.

To help reduce the incidence of infections caused by these organisms Intersurgical has developed a range of anti-microbial anaesthetic breathing systems. The Silver Knight range uses silver ions to disrupt the normal enzymatic activities of bacteria. Silver Knight functions as a safe, quick and effective catalyst to inactivate pathogenic bacteria and prevent their proliferation. For further information on other systems in the Silver Knight breathing system range see our Information Sheet IS5.12 or visit www.intersurgical.com/silverknight.

Silver Knight® UniFlow® universal coaxial breathing systems

Standard breathing systems

Code: 2900100 Anti-microbial breathing system, 1.6m length with 0.5m limb **Box quantity: 12**

Code: 2901100 Anti-microbial breathing system, 2.4m length with 0.5m limb **Box quantity: 10**

Code: 2902100 Anti-microbial breathing system with integral monitoring line, 1.6m length with 0.5m limb **Box quantity: 12**

Code: 2903100 Anti-microbial breathing system with integral monitoring line, 2.4m length with 0.5m limb **Box quantity: 10**

Deluxe breathing systems

Code: 2910100 Anti-microbial breathing system with 2 litre bag and integral monitoring line, 1.6m length with 0.5m limb **Box quantity: 12**

Code: 2911100 Anti-microbial breathing system with 2 litre bag and integral monitoring line, 2.4m length with 0.5m limb **Box quantity: 10**



References
1. "Checking Anaesthetic Equipment 3", (2004), E2, Anaesthetic Association of Great Britain and Ireland (AAGBI)

IS5.8 Issue 4 AAC 11.05

UniFlow®

Universal coaxial breathing systems
ideally suited for low flow anaesthesia



now available in anti-microbial systems

UniFlow® ideally suited for low flow anaesthesia

The UniFlow range of ‘universal’ coaxial anaesthetic breathing systems has been designed to meet the demands of changing clinical practice and user demands.

The UniFlow systems fit all standard Carbon Dioxide absorbers and are ideally suited for use in low flow anaesthesia.

Features and benefits of the UniFlow® system

Integral respiratory gases monitoring line safely inside the outer lumen.
Cannot be caught accidentally, which can result in a disconnection of the monitoring line.
(not applicable with 2900 and 2901)

Dual lumen feature.
Patient receives warmer humid gases than with a conventional two limb parallel system.

Extendible expiratory gases limb up to 0.5 metres long.
Easy to fit UniFlow to any absorber system.

Silver Knight version also available

The inner lumen is fixed at the patient end.
The inner lumen will not ‘migrate up’ the outer lumen therefore not adding to the dead space. It also allows for the insertion of the UniFlow leak tester to assess the integrity of the inner lumen, as recommended by the AAGBI¹

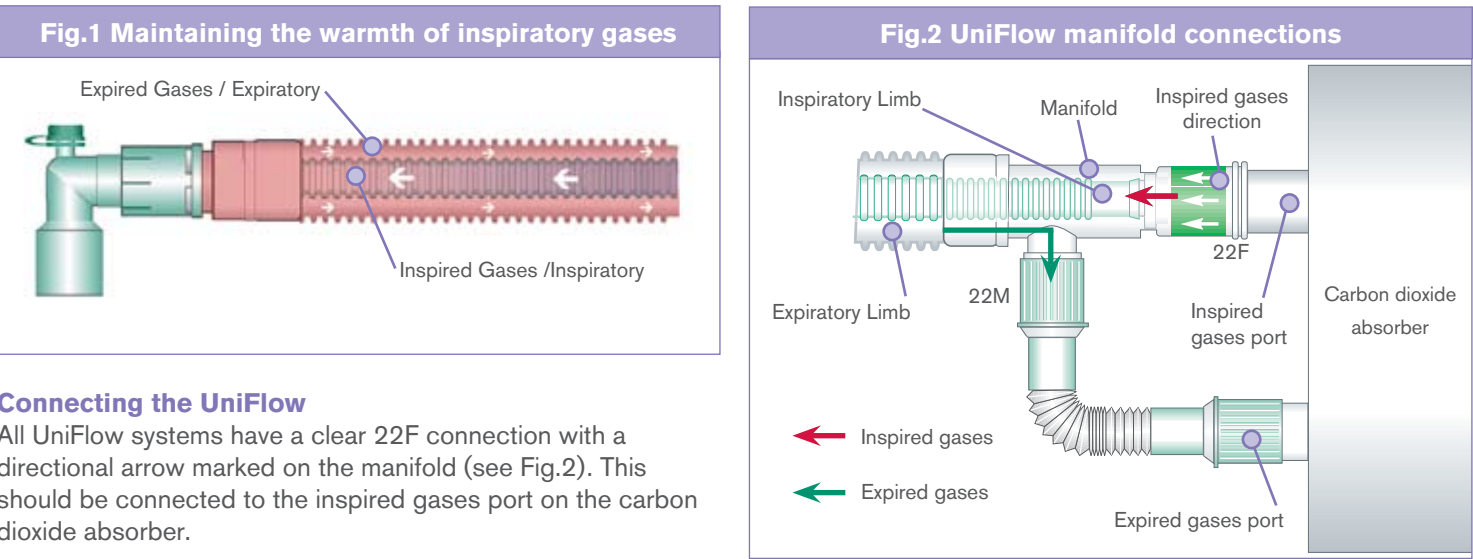
The inner lumen has an integral swivel feature.
The inner lumen is independent from the outer lumen reducing the possibility of kinking, leading to restriction of gas flow.

Large 30mm diameter outer lumen.
This ensures that the resistance to flow of the expired gases is kept to a minimum. During the passive expiratory phase of spontaneous breathing, the patient will feel no additional resistance.

Each UniFlow system comes complete with a leak tester.
Easy to test the integrity of the inner lumen as recommended by the AAGBI¹. Safety is assured as both the inner and outer lumens can be properly and independently tested for leaks.

The ‘universal’ system

Inspired gases are warmed and humidified whilst passing through the soda lime in the absorber; because UniFlow is a coaxial system, with the inspiratory limb within the larger expiratory tube, these gases remain warm and humidified through to the patient.



Connecting the UniFlow

All UniFlow systems have a clear 22F connection with a directional arrow marked on the manifold (see Fig.2). This should be connected to the inspired gases port on the carbon dioxide absorber.

Standard breathing systems

Code: 2900 Breathing system, 1.6m length with 0.5m limb Box quantity: 12

Code: 2901 Breathing system, 2.4m length with 0.5m limb Box quantity: 10

Code: 2902 Breathing system with integral monitoring line, 1.6m length with 0.5m limb Box quantity: 12

Code: 2903 Breathing system with integral monitoring line, 2.4m length with 0.5m limb Box quantity: 10

Deluxe systems

The Deluxe UniFlow system includes a reservoir bag, two monitoring lines plus extra connectors and is ideal for use in induction, maintenance, recovery and transport; one breathing system throughout the various stages of the anaesthesia process. Use of UniFlow for transport is easily achieved by connecting the inspired gases port to the trolley oxygen supply via the 6mm connector (trolley oxygen supply has a tube with it that connects to the 6mm port of the connector) and the 2 litre reservoir bag connected to the 22M connection on the manifold. The extendible limb can be used between the bag and manifold if an extension to the bag is required. The APL valve is adjusted by the clinician to suit patient needs.

Integral monitoring line

Separate monitoring lines can be accidentally disconnected as they are very small in diameter. Some of the UniFlow systems have integral monitoring lines for respiratory gases monitoring within the outer tubing. This starts at the patient connection and ends at the luer port on the manifold. Connect a standard monitoring line (such as Intersurgical monitoring line code 2725 or 2737) to this luer port and the other end to the respiratory gases monitor*. For convenience the Deluxe system comes complete with two different lengths of monitoring lines.

* If this option is required it is recommended that a Filter or HMEF (without luer port) is used.

Deluxe breathing systems

Code: 2910 Breathing system with 2 litre bag and integral monitoring line, 1.6m length with 0.5m limb Box quantity: 12

Code: 2911 Breathing system with 2 litre bag and integral monitoring line, 2.4m length with 0.5m limb Box quantity: 10

