



WHY TO CHOOSE **ALTIUS™**



We have taken the feedback from health care professionals and designed Altius - the first innovation in CVCs in over 40 years.

Altius is manufactured utilising our proprietary multitube technique to achieve perfectly round lumens and therefore achieving laminar flow.

This allows for higher flows than conventional extruded catheters especially in 4, 5 & 7 lumen configuration.

THE LUERSAFE CONNECTORS

Integrated connector to prevent the risk of air embolism and infection during manipulation of the lines. No need to clamp and unclamp the lines.

COLOUR CODED LUMENS

To easily identify what drug goes through what lumen and reduce to a minimum the manipulation of the lines.

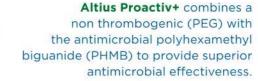
MULTITUBE TECHNOLOGY

Perfectly round lumens to deliver higher flows - over 21% higher flows compared to leading competitor in 5 lumen*.

THE RANGE

- Adults: 1 to 5 and 7 lumen.
- Paediatric: 1 to 5 lumen.

For french size, length and flow rates please check ordering guide



Altius Proactiv+ is a chlorhexidine free non

eluting covalently bonded antimicrobial to protect your patient for up to 30 days.

Altius® Proactiv+™ unique covalent bonding ensures no

systemic release into patient's bloodstream and ensures

WHY PHMB

sustained antimicrobial activity.

It is a fast acting, broad spectrum biocide effective at low concentrations against gram positive and gram negative bacteria, fungi and viruses and widely used in antimicrobial medical devices.

HOW DOES PROACTIV+ WORK?

PHMB is co-polymerised with a non thrombogenic PEG (polyethylene glycol) to prevent platelet adhesion reducing the opportunity for bacterial growth. It reduces biofilm formation and minimises fibrin sheath.

> The patented non-eluting crosslinked covalent bonding ensures patient protection for the life of the catheter.

THE RANGE

· Adults: 1 to 5 and 7 lumen. For french size, length and flow rates please check ordering guide.

















The superior insertion kit has been designed to reduce the risks during insertion.



*comparison of market leader 5 lumen 8.5 french 16cm published data with Altius Classic 5 lumen 8.5 Fr

Super Sharp Echogenic Needle: Easy visualisation under the ultrasound to prevent posterior wall puncture.



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5m Guidewire Introducer: Luerslip syringe for closed system.



Altius Guidewire Dispenser: Ergonomic design to facilitate guidewire advancement even with wet gloves.



Kink Resistant Nitinol Guidewire: To prevent guidewire kinking even in difficult patient's anatomy.



N11 Mini Scalpel: To nick skin prior to dilation.



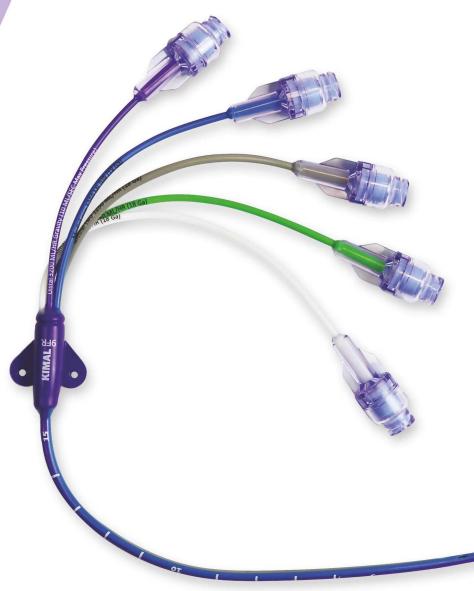
Hydrophilic Dilator: For smooth dilation to prevent insertion



Secondary **Fixation Wing**



YOUR ALTIUS HP CVC RANGE



REDUCE

PATIENT **RISKS**WITH ALTIUS



WHY TO CHOOSE **ALTIUS™ HIGH PRESSURE**



All the benefits of Altius Proctiv+ and a High Pressure purple line to deliver contrast media and fluids at high pressures.

Proactiv+ is a chlorhexidine free, non-eluting, covalently bonded antimicrobial to protect your patient for up to 30 days.

Proactiv+™ unique covalent bonding ensures no systemic release into patient's bloodstream.

> Proactiv+ combines a non thrombogenic (PEG) with the antimicrobial polyhexamethyl biguanide (PHMB) to provide superior antimicrobial effectiveness.

WHY PHMB

It is a fast acting, broad spectrum biocide effective at low concentrations against gram positive and gram negative bacteria, fungi and viruses and widely used in antimicrobial medical devices.

HOW DOES PROACTIV+ WORK?

PHMB is co-polymerised with a non thrombogenic PEG (polyethylene glycol) to prevent platelet adhesion reducing the opportunity for bacterial growth. It reduces biofilm formation and minimises fibrin sheath.

> The patented non-eluting crosslinked covalent bonding ensures patient protection for the life of the catheter.

THE RANGE

· Adults: 1 to 5 lumen.

For french size, length and flow rates please check ordering guide.















Altius HP can deliver contrast media up to a viscosity rating of 11.8cP units. Altius HP is the first CVC with a dedicated purple line compatible to deliver contrast media, reducing the need for additional cannulations in critical patients that are hypovolemic and difficult to cannulate.

Altius HP purple line makes it very easy to identify across functional teams which lumen is the contrast media compatible lumen.

Altius HP is manufactured utilising our proprietary multitube technique to achieve perfectly round lumens and therefore laminar flow. This allows for higher flows especially in 4 & 5 lumen configurations.

HIGH PRESSURE LINE

A high pressure line to deliver power injectable contrast media up to 300psi and a maximum of 10ml/sec.

THE LUERSAFE CONNECTORS

Integrated connector to prevent the risk of air embolism and infection during manipulation of the lines. No need to clamp and unclamp the lines.

COLOUR CODED LUMENS

To easily identify what drug goes through what lumen and reduce to a minimum the manipulation of the lines.

THE RANGE

· Adults: 1 to 5 lumen.

For french size, length and flow rates please check ordering guide.



















SUPERIOR **INSERTION KIT**

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Super Sharp Echogenic Needle: Easy visualisation under the ultrasound to prevent posterior wall puncture.



MULTITUBE TECHNOLOGY

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Perfectly round lumens to deliver

5m Guidewire Introducer: Luerslip syringe for closed system



Altius Guidewire Dispenser: Ergonomic design to facilitate guidewire advancement even with wet gloves.



anatomy.

Kink Resistant Nitinol Guidewire: To prevent guidewire kinking even in difficult patient's



N11 Mini Scalpel: To nick skin prior to dilation



Hydrophilic Dilator: For smooth dilation to prevent insertion



Secondary **Fixation Wing**

