



the CVC for the
21st century

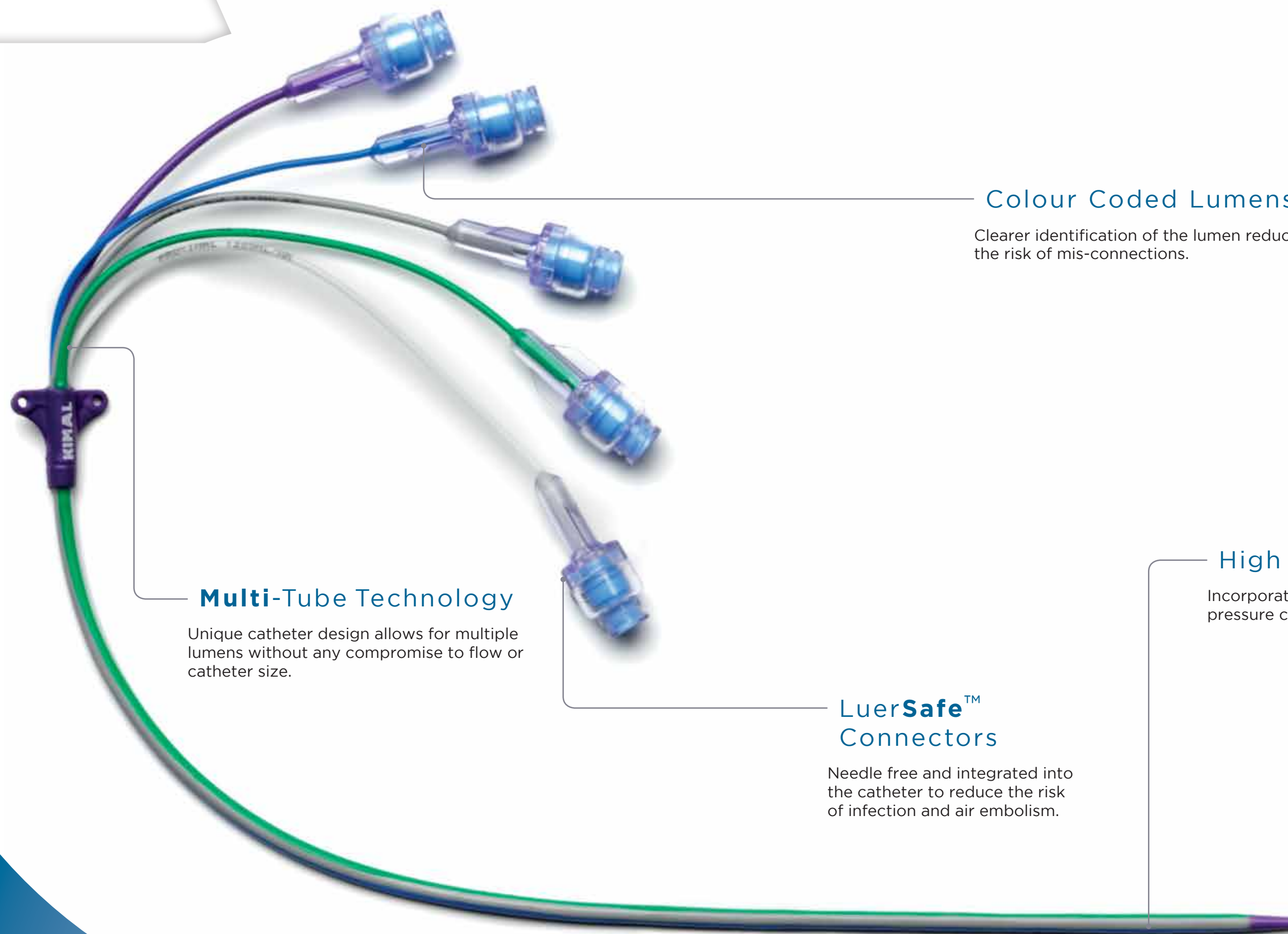
ALTIUSTM

family of central venous catheters

Greater **Protection**
Increased **Safety**
Improved **Performance**

KIMAL
delivering healthcare innovation

the CVC for the
21st century



Colour Coded Lumens

Clearer identification of the lumen reduces the risk of mis-connections.

Multi-Tube Technology

Unique catheter design allows for multiple lumens without any compromise to flow or catheter size.

LuerSafe™ Connectors

Needle free and integrated into the catheter to reduce the risk of infection and air embolism.

High Pressure Line

Incorporated to allow for high pressure contrast media infusions.

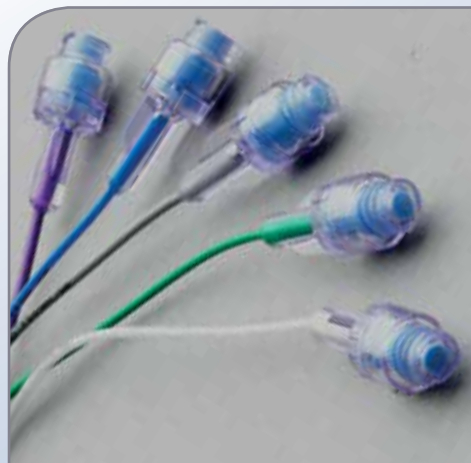
LuerSafe™ Connectors



- Minimises catheter related blood stream infection (CRBSi)
- Reduces risk of an accidental air embolism
- Easier to clean than traditional luer lock hubs
- Improved patient comfort

The design of the connector does not compromise clinical practice and by integrating LuerSafe™ into the Altius™ family of central venous catheters, the additional cost of purchasing separate needle free connectors is eliminated.

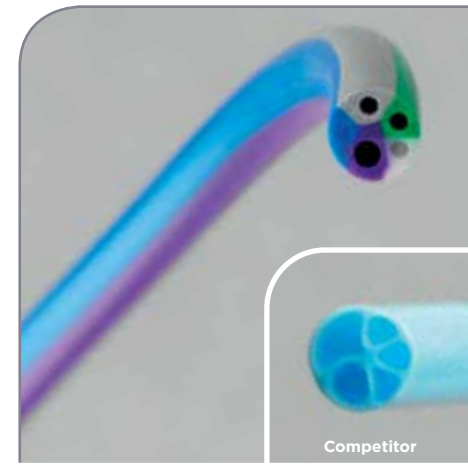
Colour Coded Lumens



- Improved identification through colour and length of lumen
- Reduces potential risk of an accidental mis-connection
- Allows for safe delivery of photosensitive medication

The unique design of Altius™ allows for separate colour coded lumens, which reduces the risk of potential mis-connections. By integrating this technology as standard into the Altius™ family of central venous catheters, it improves patient **safety**.

Multi-Tube Technology



- Perfectly round, smooth lumens
- Improved flow rates without increasing overall catheter FR size
- Seamless, full length construction reduces turbulence and flow restrictions

Multi-Tube technology is our unique method of manufacturing multi lumen catheters. It ensures that all the lumens and extensions are round compared to traditionally manufactured central venous catheters. It is just one of the technologies which come as standard with the Altius™ family of central venous catheters to deliver **improved performance**.

Suture Wing

- External construction
- Compliments **Multi-Tube** technology
- No compromise of flow rates

HP - High Pressure Line



- Dedicated high pressure lumen
- Guaranteed to deliver contrast media with a viscosity rating of 11.8cp units at 300psi with a flow of 10ml/sec
- Colour coded purple

Incorporating a high pressure lumen reduces the need for additional catheter placement for patients requiring administration of contrast media.

The **ALTIUS™** Range

	Multi-Tube Technology	LuerSafe™ Connector	Colour Coded Extensions and Lumens	Suture Wing	High Pressure Line
 ALTIUS™ HP					
 ALTIUS™					

ALTIUS™ Central Venous Catheter Insertion Packs



Kimal are pleased to offer a choice of standard and customised insertion packs. Please refer to the ordering guide for pack information. If you have more specific requirements, please contact your Kimal Vascular Representative who will be pleased to assist you with the contents and design of your procedure pack.

ALTIUS™
family of central venous catheters

About **KIMAL**

Formed by George and Diana Press in 1964 **Kimal**[®] are an innovative and trusted developer, manufacturer and supplier of customised procedure packs and vascular access devices for use across a range of clinical departments.

As a proudly independent company, our responsiveness and agility, combined with strong partnership and collaboration ethos, make us a supplier of choice to health organisations the world over.

For more information, pricing or samples speak to your local Kimal vascular representative or contact:

UK

Tel: +44 (0)845 437 9542

Fax: +44 (0)845 437 9544

Email: customercare@kimal.co.uk

Germany

Tel: +49 (0)2133 285 141

Fax: +49 (0)2133 285 1420

Email: info@kimal-med.de

Middle East

Tel: +97 16 552 8146

Fax: +97 16 552 8147

Email: mea@kimal.co.uk

International

Tel: +44 (0)845 437 9543

Fax: +44 (0)845 437 9544

Email: customercare@kimal.co.uk

www.kimal.com

© 2013 Kimal plc. All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from Kimal plc.

Kimal plc reserve the right to change the specification of its products at any time.
Kimal plc, Arundel Road, Uxbridge, UB8 2SA.

L-0155-0061

KIMAL
delivering healthcare innovation