

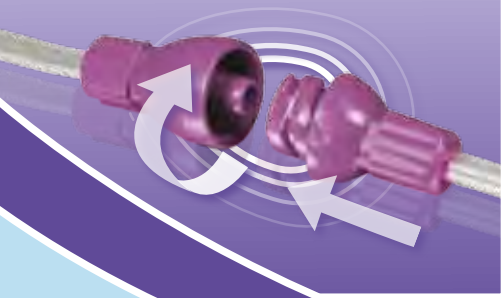


Nutrisafe[®] 2

The Future of Safe Enteral Access



Lockable Non-Luer System



Egg-shape Connection





In response to the European Standard EN1615 of June 2001, and NPSA Patient Safety Alert No.19, Vygon has developed a new generation of safe enteral feeding tubes. A new range links ergonomics, ease of use and security.

The System

Nutrisafe® 2 features a lockable non-luer system. User practice is virtually unchanged and accidental disconnection is nearly impossible: **“Like luer, without being luer”**. Nutrisafe® 2 is incompatible with standard 6% taper luer devices, which reduces the risk of misconnection errors.

Nutrisafe® 2 has been developed in response to user needs

Smooth, light and simple to use

The egg shape was chosen specifically to eliminate sharp edges that could cause discomfort and markings on the skin.

Incorporates both male and female connections

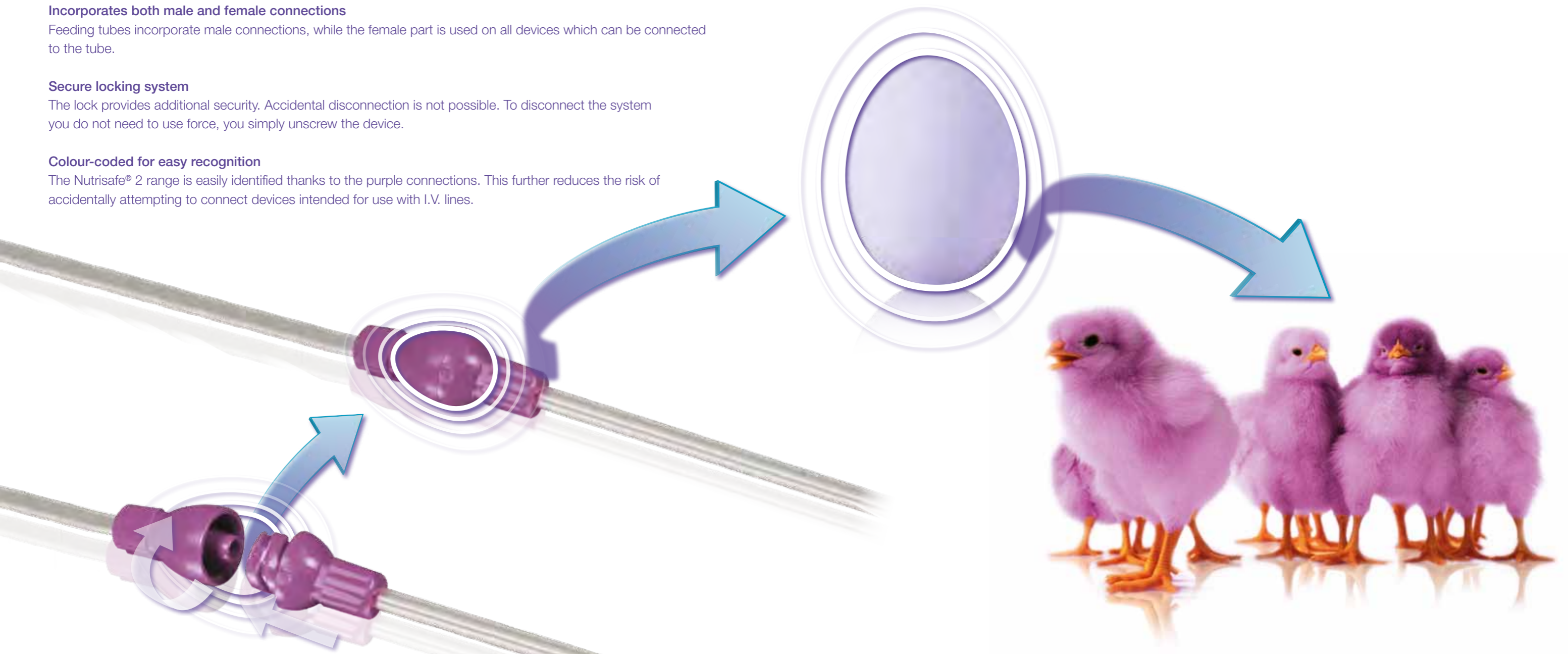
Feeding tubes incorporate male connections, while the female part is used on all devices which can be connected to the tube.

Secure locking system

The lock provides additional security. Accidental disconnection is not possible. To disconnect the system you do not need to use force, you simply unscrew the device.

Colour-coded for easy recognition

The Nutrisafe® 2 range is easily identified thanks to the purple connections. This further reduces the risk of accidentally attempting to connect devices intended for use with I.V. lines.



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Feeding Tubes - Short/Mid/Long Term



The most complete range of security tubes. Nutrisafe® 2 feeding tubes are available in three different materials and a number of lengths and sizes. This provides the clinician with flexibility to choose the best product to suit hospital protocol and patient requirements.

Features & Benefits

Available in 4 lengths: 40, 50, 60, 75 and 125cm

To meet the differing needs and protocols of each patient and hospital situation.

Numbered graduations from 5 to 35cm (5 to 70cm for 125cm tubes)

To aid tube placement and identify migration of the tube in or out.

Available in a range of sizes: 4, 5, 6, 8, 10, 12, 14*, 16* and 18*Fr

Each tube is colour-coded to denote catheter size, making selection simpler. The size is also shown on the proximal end of the catheter.

To suit the clinical and patient requirements giving choice.

A rounded tip

For atraumatic insertion.

Two lateral eyes

To minimise risk of tip blockage and maintain patency.

Weighted tip (code 2395)

Helps maintain the tube in the small bowel.

Ordering Information

DEHP Free PVC Feeding Tube - Short-term use

Length (cm)	Size Fr (Outer Diameter)									Unit of Sale
	4Fr	5Fr	6Fr	8Fr	10Fr	12Fr	14Fr *	16Fr *	18Fr *	
40	0364.042	0364.052	0364.062	0364.082	N/A	N/A	N/A	N/A	N/A	25
50	0361.042	0361.052	0361.062	0361.082	0361.102	N/A	N/A	N/A	N/A	50
75	0363.042	0363.052	0363.062	0363.082	0363.102	0363.122	N/A	N/A	N/A	25
125	0362.042	0362.052	0362.062	0362.082	0362.102	0362.122	0362.142	0362.162	0362.182	25

Polyurethane Feeding Tube - For use up to 4 weeks

Length (cm)	Size Fr (Outer Diameter)									Unit of Sale
	4Fr	5Fr	6Fr	8Fr	10Fr	12Fr	14Fr *	16Fr *	18Fr *	
40	1364.042	1364.052	1364.062	1364.082	N/A	N/A	N/A	N/A	N/A	25
50	1361.042	1361.052	1361.062	1361.082	1361.102	N/A	N/A	N/A	N/A	50
75	1363.042	1363.052	1363.062	1363.082	1363.102	1363.122	1363.142	1363.162	1363.182	25
125	1362.042	1362.052	1362.062	1362.082	1362.102	1362.122	1362.142	1362.162	1362.182	25

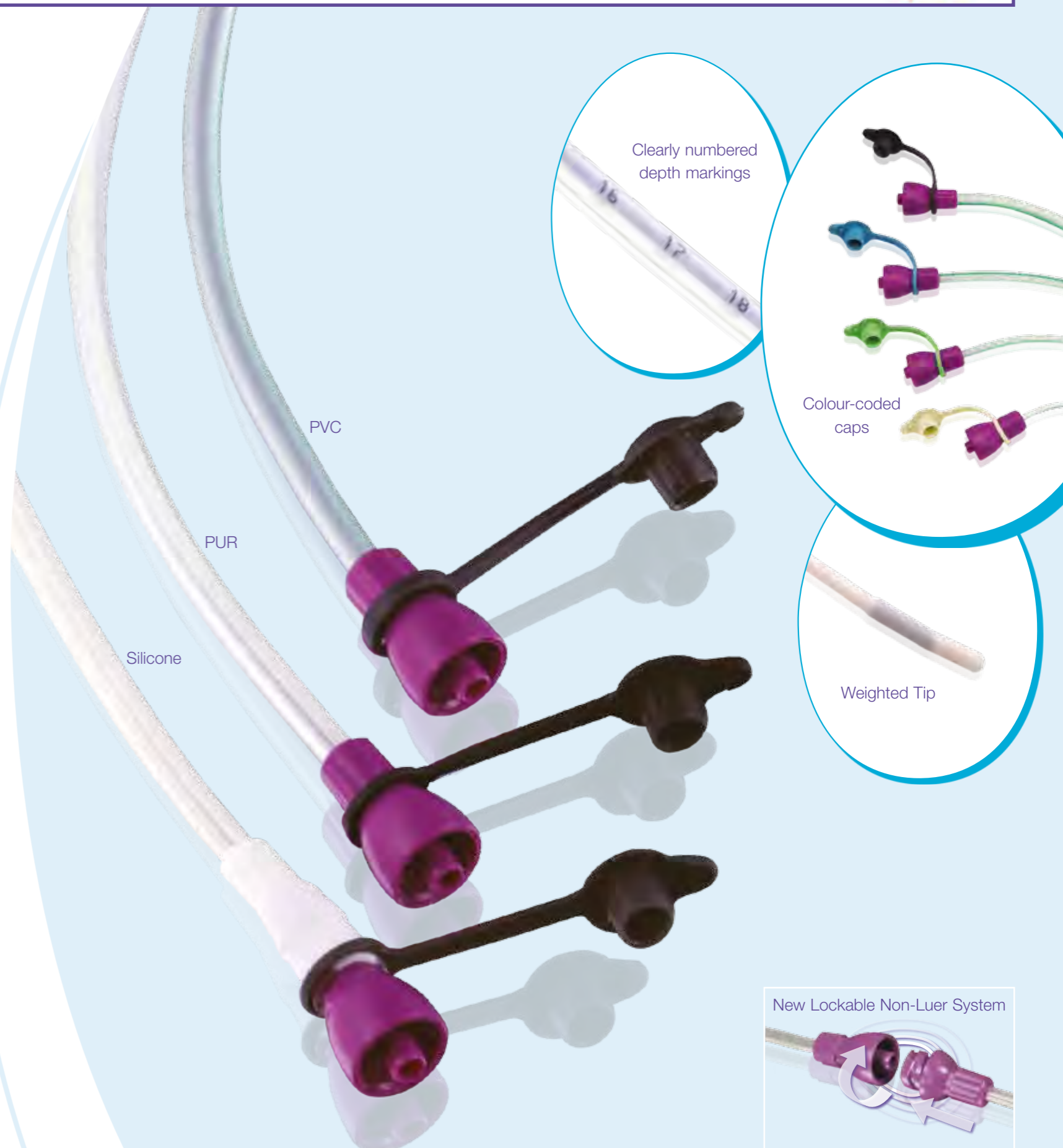
Silicone Feeding Tube - For use of more than 4 weeks

Length (cm)	Size Fr (Outer Diameter)									Unit of Sale
	4Fr	5Fr	6Fr	8Fr	10Fr	12Fr	14Fr	16Fr	18Fr	
50	2331.042	2331.052	2331.062	2331.082	2331.102	N/A	N/A	N/A	N/A	TBA
125	2332.042	N/A	2332.062	2332.082	2332.102	N/A	N/A	N/A	N/A	10
125 (W)	N/A	N/A	2395.062	2395.082	N/A	N/A	N/A	N/A	N/A	10

Salem Type Dual Flow Gastric Tubes - DEHP Free PVC

Length (cm)	Size Fr (Outer Diameter)									Unit of Sale
	4Fr	5Fr	6Fr	8Fr	10Fr	12Fr	14Fr	16Fr	18Fr	
60	N/A	N/A	0340.062	0340.082	N/A	N/A	N/A	N/A	N/A	10

NB. Usage periods given above are a guideline only. Tube selection and use rests ultimately with the clinician and should follow hospital protocol.





Syringes



Nutrisafe® 2 syringes have a purple-coloured plunger to enable instant identification as enteral devices. Individually packaged sterile.

Amber-coloured syringes for a better conservation and protection of light sensitive drugs (Non sterile syringes with cap).

Syringe kits are for the daily preparation of the enteral nutrition for the neonate or infant. Each kit contains a fridge storage tray, 4, 6 or 8 syringes, 8 caps and 1 drawing-up straw.

Features & Benefits

Full range of sizes

To cover all conventional enteral administration requirements.

Venting caps

Allowing protected bolus administration.

Clear volume markings

Allowing easy and accurate measurement of feed and medication.

Amber range

For protection of UV sensitive fluids.

Syringe kits

Allowing preparation and storage* of one day's feed for an individual neonatal or paediatric patient.

Ordering Information

Vygon Code	Product Description	Volume (ml)	Graduations (ml)	Connection	Unit of Sale
1015.012	Transparent Syringe	1	0.01	Centred	100
1015.022	Transparent Syringe	2.5	0.1	Centred	100
1015.052	Transparent Syringe	5	0.2	Centred	100
1015.102	Transparent Syringe	10	1	Centred	100
1015.202	Transparent Syringe	20	1	Centred	50
1015.602	Transparent Syringe	60	1	Offset	25
1022.012	Amber Syringe	1	0.01	Centred	50
1022.022	Amber Syringe	2.5	0.1	Centred	50
1022.052	Amber Syringe	5	0.2	Centred	50
1022.102	Amber Syringe	10	1	Centred	50
1015.858	6 x Syringe Kit	5	0.2	N/A	20
1015.838	8 x Syringe Kit	20	1	Centred	10
1015.864	4 x Syringe Kit	60	1	N/A	10
1015.866	6 x Syringe Kit	60	1	N/A	10
1015.868	8 x Syringe Kit	60	1	N/A	10
0818.22	Vented Bolus Cap for 20ml Syringe	N/A	N/A	N/A	50
0818.62	Vented Bolus Cap for 60ml Syringe	N/A	N/A	N/A	50
0828.01	Syringe Cap	N/A	N/A	N/A	100
0828.08	8 x Syringe Cap	N/A	N/A	N/A	100



* It is recommended that feeds are stored in a dedicated refrigerator.



Extension Tubes and Drawing-Up Straws



The Nutrisafe® 2 range includes extension tubes to give extended connections to pumps. This allows much greater freedom of movement for ambulatory patients and greater flexibility when used at the cot side.

Drawing-up straws of various lengths and diameters give flexibility when filling syringes with feed or medication from all sizes of container and bottle.

A sampling needle is provided for withdrawing medications from an ampoule.

Features & Benefits

Choice of lengths and diameters
Allows selection of extension tube or drawing-up straw to match feed or medication being administered.

Purple tubing
Easy to identify amongst I.V. lines.

Ordering Information

Vygon Code	Product Description	Length (cm)	Bore Size	Unit of Sale
0368.032	Extension Tube	30	Standard	25
0368.102	Extension Tube	100	Standard	25
0368.152	Extension Tube	150	Standard	25
0369.152	Extension Tube	150	Large	25
0369.252	Extension Tube	250	Large	25
0817.052	Drawing-Up Straw	5	Standard	50
0817.154	Drawing-Up Straw	15	Fine	50
0817.152	Drawing-Up Straw	15	Standard	50
0817.153	Drawing-Up Straw	15	Large	50
0817.202	Drawing-Up Straw	20	Standard	50
0817.203	Drawing-Up Straw	20	Large	50
0817.302	Drawing-Up Straw	30	Large	50
0817.502	Drawing-Up Straw	50	Standard	20
0817.002	Ampoule Sampling Needle	N/A	N/A	25

Large Bore Drawing-Up Straw

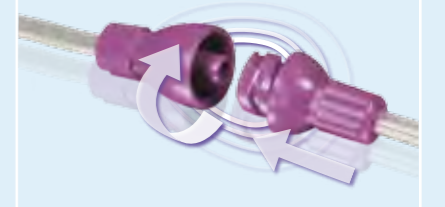
Standard Bore Drawing-Up Straw

Ampoule Sampling Needle

Standard Bore Extension Tube

Large Bore Extension Tube

New Lockable Non-Luer System





To complete the Nutrisafe® 2 range, Vygon offers a wide range of accessories.

As Nutrisafe® 2 is a new and unique product, the range is under continual development and expansion.

Features & Benefits

Nutrisafe® 2 connectors

Allow connection to all conventional enteral systems that **do not** contain a standard luer.

Vial access caps

Allowing safe connection to drug vials without needles.

Multi access devices

3-way stopcock and 'Y' connector allow secondary connections when medication must be given with feed.

Multi size lockable cap

For multiple access to medicine bottles.

Ordering Information

Vygon Code	Product Description	Nutrisafe® 2 Connection Type	Cap Diameter (mm)	Unit of Sale
0368.02	Feed Set Adapter	N/A	N/A	100
0368.12	Taper Connector	Male	N/A	100
0368.32	Taper Connector and Extension	Female	N/A	25
0368.42	'Y' Connector	2 x Male 1 x Female	N/A	50
0821.012	Needleless Vial Access Cap	Male	14	50
0821.112	Needleless Vial Access Cap	Female	14	50
0821.022	Needleless Vial Access Cap	Male	20	25
0821.122	Needleless Vial Access Cap	Female	20	25
0828.01	Syringe Cap	Male	N/A	100
0828.08	8 x Syringe Cap	Male	N/A	800
5802.01	3 Way Stopcock	2 x Male 1 x Female	N/A	50
0829.01	Feeding Tube Cap	Female	N/A	100
0817.002	Ampoule Sampling Needle	N/A	N/A	50
0820.20	Lockable Cap	Male	20	20
0820.22	Lockable Cap	Male	22	20
0820.28	Lockable Cap	Male	28	20
1390.01	Styilet for 4Fr, 5Fr and 6Fr Feeding Tubes	N/A	N/A	TBA
1390.02	Styilet for 8Fr and 10Fr Feeding Tubes	N/A	N/A	TBA

Needleless Vial Access Caps



Ampoule Sampling Needle



3 Way Stopcock

Adapter



Taper Connector



'Y' Connector



Taper Connector and Extension



Bottle Cap



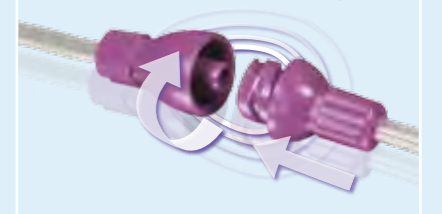
Syringe Cap



Feeding Tube Cap



New Lockable Non-Luer System





On the 28th March 2007 the National Patient Safety Agency (NPSA) published their Patient Safety Alert Number 19 'Promoting safer measurement and administration of liquid medicines via oral and other enteral routes'.⁽¹⁾ This guideline is intended to remove risks associated with cross connection of enteral devices with those intended for other uses, specifically I.V. access devices.

There have been a number of reports of incorrect I.V. administration of oral and enteral medications and feeds which have resulted in significant morbidity and in some cases mortality. This was recognised in the Department of Health report 'Building a safer NHS for patients: Improving medication safety'.⁽²⁾

The guideline sets out three distinct areas for safety improvement. 1. Design, supply and use of oral/enteral syringes. 2. Design, supply and use of enteral feeding systems and 3. Organisational procedures, training and audit.

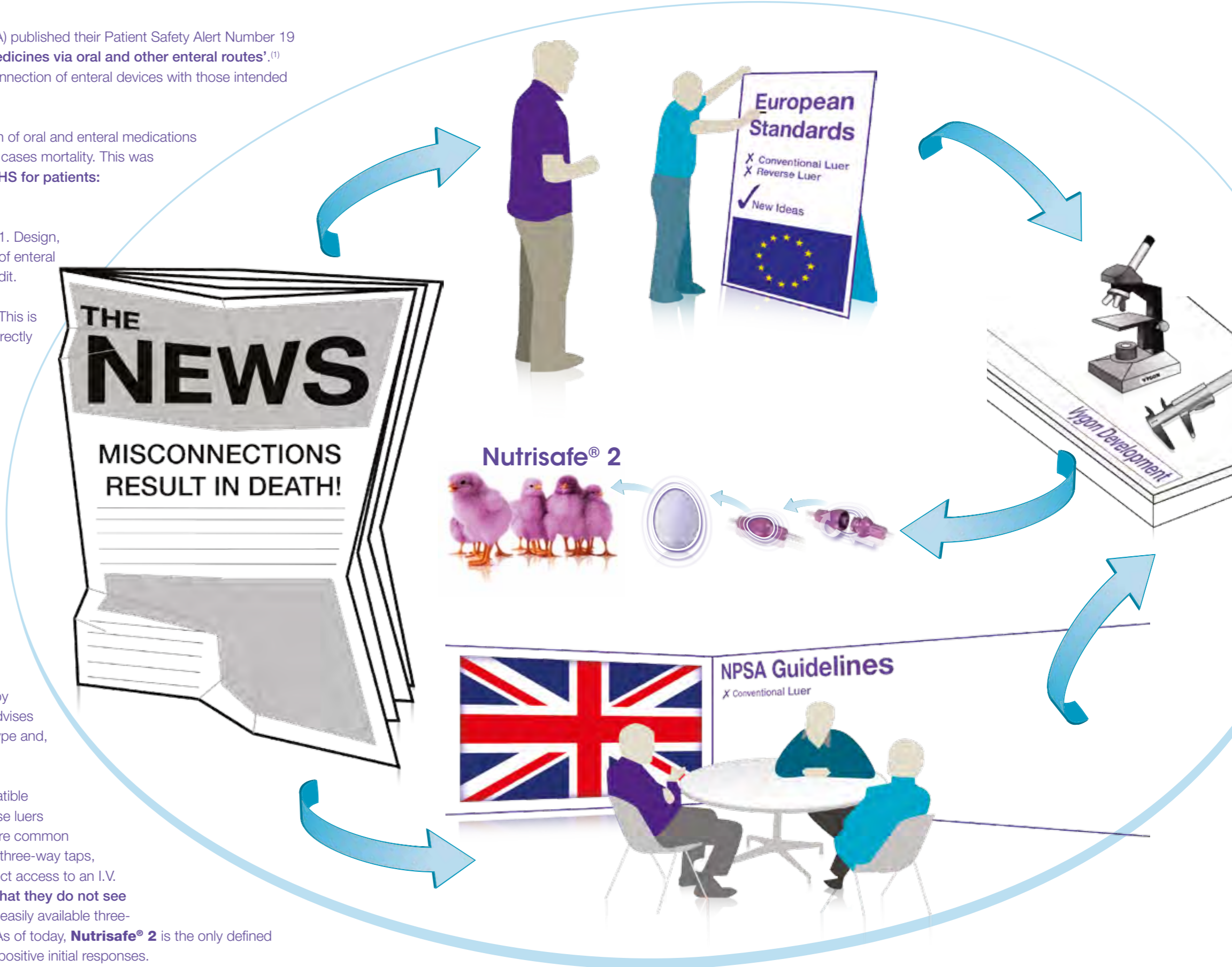
Area 1 has an implementation deadline of **30th September 2007**. This is specifically about oral administration of medication and does not directly influence enteral feeding via tubes.

Areas 2 and 3 have an implementation deadline of **31st March 2008**. **Nutrisafe® 2** and the Vygon resources will enable Trusts and clinicians to not only meet the requirements **these two areas of the NPSA** guideline but will allow them to exceed them in terms of safety.

Nutrisafe® 2 is a complete system that meets the NPSA guidelines and the proposed European Standards. Trial work in other European countries (France, Ireland & Belgium) has already proven the safety of the system. Whilst originally held under a patent, Vygon have partly released their rights and have given the design to companies willing to work towards this common goal.

European Standard EN1615 'Enteral feeding tubes and enteral giving sets for single-use and their connectors. Design and testing' was last published in 2000 and is now under review by **European Standards Committee (CEN)**. The existing standard advises that enteral connections should not be of the male to female luer type and, in terms of equipment, is much in line with the NPSA guideline.

Nutrisafe® 2 is unique amongst the proposals for non-luer compatible systems as they are actually not compatible with luers at all! Reverse luers offer some degree of misconnection safety but luer fitted devices are common products throughout the healthcare environment incorporated into three-way taps, 'Y' connections and multi-lumen extensions that can ultimately effect access to an I.V. syringe access site. **The CEN committee have already advised that they do not see reverse luers as a safe alternative** to standard luers as a simple, easily available three-way tap will immediately convert a system to accept I.V. syringes. As of today, **Nutrisafe® 2** is the only defined system presented to CEN as a possible solution and has received positive initial responses.





We provide continual product support for healthcare professionals by offering mutually convenient complementary training and technical support. The following items are also available as part of our on-going commitment to education & training:

Product Support

Literature Customisation

Providing the option of customising literature to fit the specific needs of the clinician.

MIC Care DVD

Gastrostomy tube placement - standard & low-profile.

Enteral Feeding Brochure

Care and maintenance of the stoma site and feeding tube.



Technical Support

Technical Laboratory

The only dedicated tube laboratory in the UK.

Technical Advice

Experienced advisors available to support customers.



Study Days

Gastrostomy Study Days

All you need to know about the enteral feeding tubes and more.

Local Study Days

Materials, support and advice for local study days.



Vygon are proud to support PINNT

PINNT (Patients on Intravenous and Nasogastric Nutrition Therapy) is a support group for patients receiving parenteral or enteral nutrition therapy. PINNT is a charitable organisation which was formed originally by patients from St Marks Hospital in London, to support fellow patients from hospitals all over the country who require nutrition therapy, to provide understanding and contact between patients and to eliminate some of the problems that come with the treatment.



Contacts

Your Local Vygon Sales Representative

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Vygon Customer Service / Sales Administration

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PINNT

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Web: www.pinnt.co.uk Email: pinnt@dsl.pipex.com



What is the added value of training?

The added value of training is our commitment to you in support of 'Best Practice' programmes employed within your NHS Trust. Customer Service is foremost in Vygon's approach. This extends to our product support and education programmes.

Why is training of added value?

With the Government's priority for health, demands on NHS Trusts are high. We can help you meet the training requirements set by the Department of Health for all grades of staff. Our sales executives are educated to a standard that enables them to promote 'Best Practice' in line with current clinical guidelines. This means that in relation to our products, your staff can be updated and informed of changes relating to current evidence-based practice and guidelines.

Certificates



We understand the importance of record keeping with regard to the training of staff on new products and provide all grades of staff personalised certificates of attendance for our workshops. This allows your Practice Development Teams to keep a record of all staff training. You can also request a list of workshop attendees for your own records.

Bespoke In-Service Training



We appreciate the significance of individual care bundles for your NHS Trust, and our bespoke, in-service training means that we can tailor-make and personalise training sessions in accordance with your NHS Trust's policies and protocols. In this way, we can help support you in the implementation of 'Best Practice' for your NHS Trust.

Human Resources



Each customer has the support of their Sales Executive, Regional Sales Manager, National Sales Manager, Business Development Manager and Sales Support Agent to ensure training meets all needs and expectations. Our teams have the expertise and experience to ensure smooth implementation of your custom-designed programme, encompassing the requirements of your NHS Trust, Hospital, Department, Clinicians, Procurement and the patient.

Posters



Posters can be tailor-made to your requirements to ensure your NHS Trust's protocol and policies are promoted in line with current practice guidelines.

Study Days and Workshops



Study Days give your clinicians an opportunity to have updates on products and placement techniques as well as being the ideal forum to discuss current policies and procedures in line with the Department of Health recommendations.

Our commitment to this is demonstrated by our PICC and MIC Gastrostomy Study days, which are well attended year after year. Vygon will organise workshops for your NHS Trust to help you disseminate current practice guidelines, involving guest speakers and professionals from within relevant fields of expertise.

Technical Support



Our Technical Support Department handles technical enquiries about products, procedural advice and regulatory device issues.

Literature



As well as supplying you with product information and order purchasing codes, our literature also has valuable educational information. This includes: evidence-based practice information, placement techniques, instructions for use and clinical references which support evidence based practice in line with the Department of Health recommendations and guidelines.

CD-ROM/Videos/DVDs/Mannequins



Vygon provides training aids in the form of presentations and videos/DVDs to accommodate personal preferences for training.

References

1. Patient Safety Alert 19. *National Patient Safety Agency (NPSA)*. March 2007.
2. **Dr Jim Smith**. Building a safer NHS for patients: Improving medication safety. *Department of Health*. 22nd January 2004.



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