

NEONATOLOGY  
Enteral nutrition



nutrisafe<sup>2</sup>®  
The safe enteral feeding  
system for Neonatology

Compliant with  
**ISO 80369-1**

**VYGON**  
Value Life

## ISO 80369-3

### THE USER NEEDS

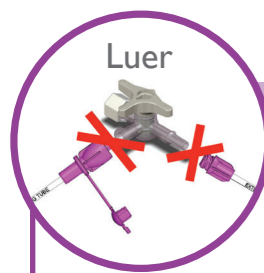
- “The very fragile preterm infants require supplementary characteristics for the medical devices compared to larger and more robust patients. [...] Very small volumes (less than 0,1 ml) are sometimes administered and require precise dosage possibilities.”<sup>(1)</sup>

### THE CONCERN

- “Concerns have been raised about the possible risks of delivering accurate doses of medicines in certain clinical practices across high risk subpopulations (e.g. neonatal patients) when using a reversed connection system (female to male). This orientation may introduce inadvertent displacement of fluid ...”<sup>(1)</sup>
- “Laboratory testing also shows a mid tolerance E1 [ENFit] connector pair in a female to male orientation displaces a mean average of 0.150ml...”<sup>(1)</sup>

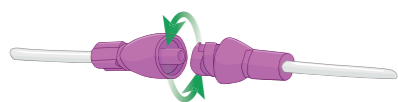
To provide the best possible care and safety for neonatal patients, Vygon will continue to provide the nutrisafe2® system, which is compliant with ISO 80369-1.

## In Neonatology, think **SAFE, SMALL & ACCURATE!**



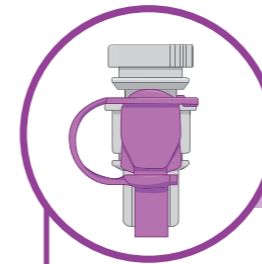
### SAFE...

Specially designed for neonatal patients, nutrisafe2® is a unique safe enteral feeding system incompatible with Luer and other small-bore connectors in accordance with ISO 80369-1 requirements. The risk of misconnection is minimized and the patient safety is increased.



The lockable system provides additional security. Accidental disconnection is practically impossible, ensuring precious nutrients are received.

(1) ISO 80369-3



### ...SMALL...

The compact design of nutrisafe2® connections minimises dead space:

	nutrisafe2®	Reversed Luer	ENFit (ISO/DIS80369-3)
<b>Maximum dead space of the syringe connector<sup>(2)</sup></b>	<b>0.056ml</b>	<b>0.099ml</b>	<b>0.191ml</b>

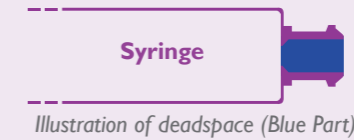


Illustration of deadspace (Blue Part)



### LIGHT

The low weight of nutrisafe2® connectors reduces the risks of:

- Tube displacement
- Tube kinking

nutrisafe2® reduces the deadspace by 70% compared to ENFit<sup>(2)</sup>

### ...and ACCURATE

The compact design of nutrisafe2® connections ensures accurate delivery of small volumes of drugs, especially for critical drugs such as morphine, digoxin, caffeine citrate, iron, methadone, etc :

	nutrisafe2®	Reversed Luer	ENFit (ISO 80369-3)
<b>Maximum overdelivery for a syringe<sup>(2)</sup></b>	<b>0.029ml</b>	<b>0.045ml</b>	<b>0.120ml<sup>(3)</sup></b>

(3) Laboratory testing has shown 0.150ml mean over delivery for ENFit, as written in ISO 80369-3



Illustration of overdelivery due to the feeding tube connection

(2) Theoretical measurements - January 2014 - Internal data

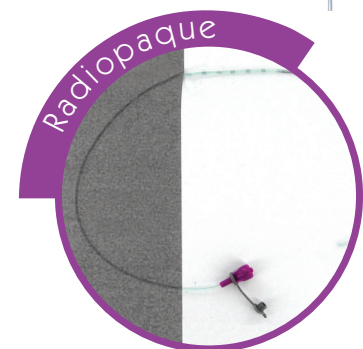
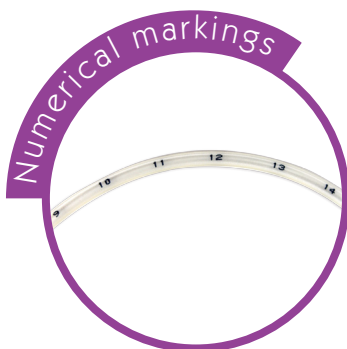
# Worldwide proven system

## 10 YEARS OF EXPERIENCE IN NEONATOLOGY !

- Created in 2005, **nutrisafe2®** is the first enteral feeding system totally incompatible with Luer and specially designed for premature babies.
- No reported misconnection
- Satisfied customers from 35 countries

## The Complete Solution for neonates

<b>Syringes</b>	0.5ml / 1ml / 2.5ml / 5ml / 10ml / 20ml / 35ml / 60 ml.  Also amber-colored syringes available for UV protection: 1ml / 2.5ml / 5ml / 10 ml
<b>Feeding tubes</b>	Available in PVC, polyurethane and silicone in a variety of lengths and sizes.
<b>Extension lines</b>	Available in a variety of lengths and sizes.
<b>Sampling straws</b>	Available in different sizes and types, to fill syringes with breast milk, formula or medication.
<b>Accessories</b>	Vented caps for syringe Y connector Male-male connector Oral medicine bottle caps for sampling ...
<b>Syringe pump</b>	Specifically designed for enteral feeding. This easy-to-use pump is capable of more than 6 hours of continuous work and is compatible with all types of <b>nutrisafe2®</b> syringes.



For further information, please contact: [questions@vygon.com](mailto:questions@vygon.com)

The specifications given in this brochure are for information only and are not, under any circumstances, of a contractual nature.

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