



Biovalve Safe

Managing the unintended consequences of infusion therapy



An RCN survey¹ of 4,407 nurses carried out in November 2008 found that:

- **Almost half of nurses (48%)** had been stuck by a needle or sharp that had been used on a patient.
- **Nearly half (45%)** of nurses reported they had not received training from their employer on safe needle use.
- **95%** of nurses considered that the availability of safer needle devices is either essential or preferable, yet only half reported that they had access to any such device.
- An ongoing RCN surveillance project suggests that as many as **100,000 needle-stick accidents occur in the UK every year.**

EU Directive 2010/32/EU² effective from May 2013

Aims to achieve the safest possible working environment and prevent workers' injuries caused by all medical sharps.



Biovalve Safe is the ported peripheral IV safety cannula from Vygon, specifically designed to protect healthcare workers from needle-stick injuries.

We have studied the safety cannula market to ensure that Biovalve Safe meets user and patient requirements. This process has meant that Biovalve Safe compares favourably to non-safety cannulae in terms of its handling characteristics.



Managing the unintended consequences of infusion therapy

Triggers automatically
Biovalve Safe uses a passive safety mechanism that triggers automatically on needle withdrawal.

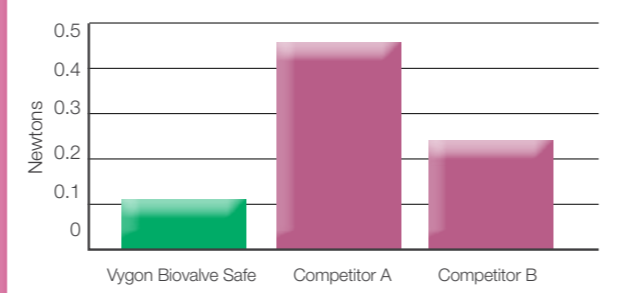
Prevents needle-stick injuries
By securing the needle in the safety system.

Reduces blood exposure
By covering the needle tip to stop droplets of blood becoming airborne.

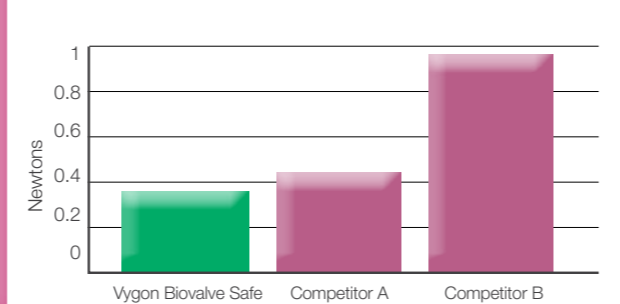
Comparative tests³

We tested Biovalve Safe against other cannulae to understand the forces required to withdraw the needle through the safety mechanism and to separate the safety mechanism from the cannula hub.

Withdrawing the needle through the safety mechanism



Removing the safety mechanism from the cannula hub



In both tests Biovalve Safe was superior

Versatile clinical use

- Radiopaque
- CT-rated 350 PSI
- PTFE cannula.

Reduces the risk of infection

- Hinged cap for secure opening and closing, reducing the risk of bacterial colonisation of the injection port.

Instant confirmation of venepuncture

- Large flashback chamber for rapid blood visualisation
- The blue 22G Biovalve Safe features a lateral eye in the needle which offers greater speed of visualisation.

Passive safety mechanism

- Triggers automatically
- Smooth during needle withdrawal
- Safety system eliminates the risk of needle-stick injury and blood exposure by trapping blood at the needle tip.





Customised packs

With a custom cannulation pack from Vygon you can take best practice one step further. Customisation allows you to create a pack to match your local protocol, incorporating only the items you need, standardising cannulation procedure throughout the hospital.

Your choice of components:

- Optional customised care bundle/documentation
- With or without a peripheral cannula
- Available via NHS Supply Chain, or third party distributors
- Ensures compliance with best practice.

Ordering information

Vygon Code	NHSSC Code	Colour	Size (G)	OD (mm)	ID (mm)	Length (mm)	Gravity Flow Rate (ml/min)	Maximum Flow Rate under 350 PSI (ml/s)	Box Quantity
0106082	FSB1329		22	0.9	0.6	25	36	7.0	50
0106102	FSB1330		20	1.1	0.8	32	60	11.9	50
0106122	FSB1331		18	1.3	1.0	45	90	17.1	50
0106142			17	1.5	1.2	45	125	> 23.0	50
0106172	FSB1332		16	1.7	1.4	45	180	> 23.3	50
0106212	FSB1333		14	2.1	1.6	45	270	> 23.3	50

References

1. Royal College of Nursing (2008) Needlestick injury in 2008: results from a survey of RCN members, London: RCN. Publication code 003 304.
2. www.hse.gov.uk/healthservices/needlesticks/eu-directive.htm accessed on 16th August 2012
3. Comparative tests conducted by Laboratoires Pharmaceutiques Vygon

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