

CRITICAL CARE

bionector TKO[®]

Bi-directional fluid
control system



Value Life

WHY CHOOSE VYGON?

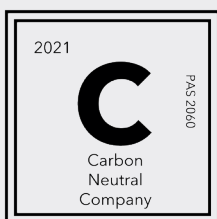


**OVER
60
YEARS
EXPERIENCE**

PATIENT CARE LIES AT THE HEART OF WHAT WE DO



**CLINICAL
EXPERTISE**



WE ARE A
**CARBON
NEUTRAL
COMPANY**

MORE THAN
100 MILLION
PRODUCTS IN
110 COUNTRIES

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OUR SERVICE OFFERING



Customer Service & Technical Support

Talk through your enquiry with our dedicated Teams.



Education & Training

We offer our customers a variety of valuable and comprehensive training options to help you and your teams meet your training requirements.

Making catheter occlusion a thing of the past

Occlusions can be commonplace in patients with vascular access lines. This is accepted as normal, with occlusions and their consequences being dealt with as a matter of routine. The most common are:

- Thrombotic occlusion when blood or clotting agents accumulate inside the catheter
- Persistent withdrawal occlusion when fibrin is aspirated into the catheter.

Occlusions cost you money

Anticoagulant treatment is expensive, nursing time is increased and lines may need to be replaced if they can't be cleared.

Occlusions affect your patients

Treatment can't be delivered as needed, they may need to stay in hospital for longer, there's an increased risk of infection, and if the line can't be unblocked they have to undergo a second placement procedure.

Bionector TKO eliminates the need for heparin flushes in mid to long-term catheters.

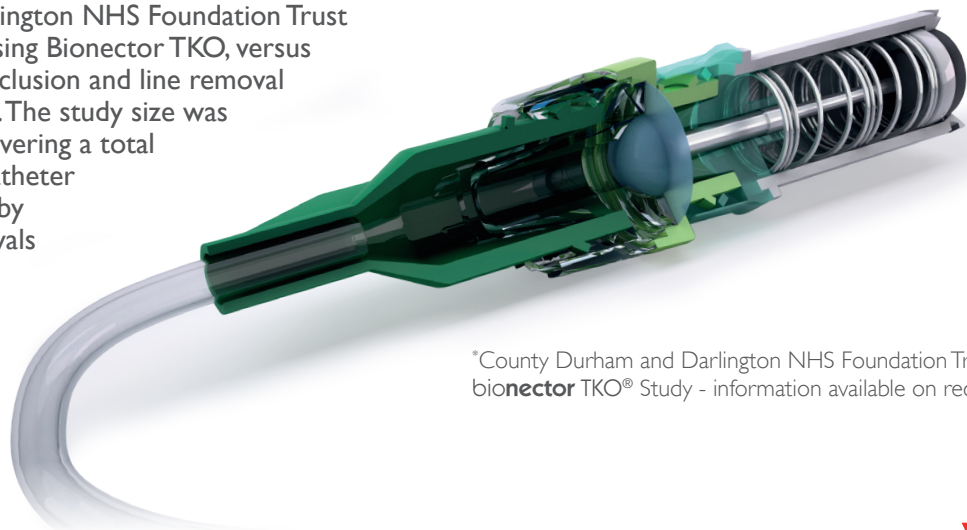
Reduces thrombotic occlusions by preventing blood reflux from:

- Syringe and giving set disconnection
- Syringe plunger rebound
- IV bag running dry
- Venous pressure changes.

Clinically shown to reduce:

- Catheter occlusions by 88% (50.4 to 5.8 per 1,000 catheter days)*
- Loss of IV catheter by 91% (9% to 0.8%)*
- Tissue plasminogen activator (tPA) usage by 85%*.

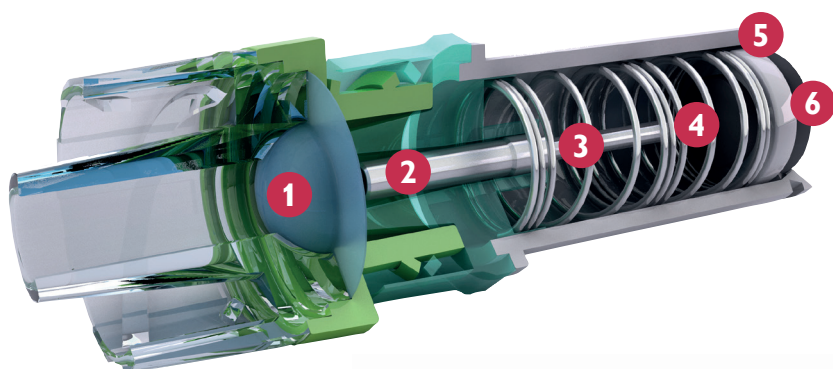
County Durham and Darlington NHS Foundation Trust looked at the impact of using Bionector TKO, versus standard Bionector, on occlusion and line removal rates of midline catheters. The study size was 261 midline catheters delivering a total of 2,937 catheter days. Catheter occlusions were reduced by 89.8% and catheter removals were reduced by 83.3%.



*County Durham and Darlington NHS Foundation Trust bionector TKO® Study - information available on request.

TECHNICAL INFORMATION

- Patented “To Keep Open” (TKO) valve
- 100% bi-directional fluid control
- Valve opening pressure 0.43 psi (22.4mm Hg)
- Flow rate > 50 ml per minute - TKO
- Withdrawal pressure 7.0 psi (360 mmHg)
- Power inject up to 350 psi**
- Low flow rate for neonatal care
- Straight fluid pathway.



- 1 Bi-directional anti-reflux valve
- 2 Low priming volume
- 3 Fixed, straight fluid pathway
- 4 Neutral fluid displacement
- 5 Hermetic, gap-free seal
- 6 Smooth, cleanable split-septum

- 7 MRI conditional and CT-rated
- 8 Effective microbial barrier
- 9 Luer-locking

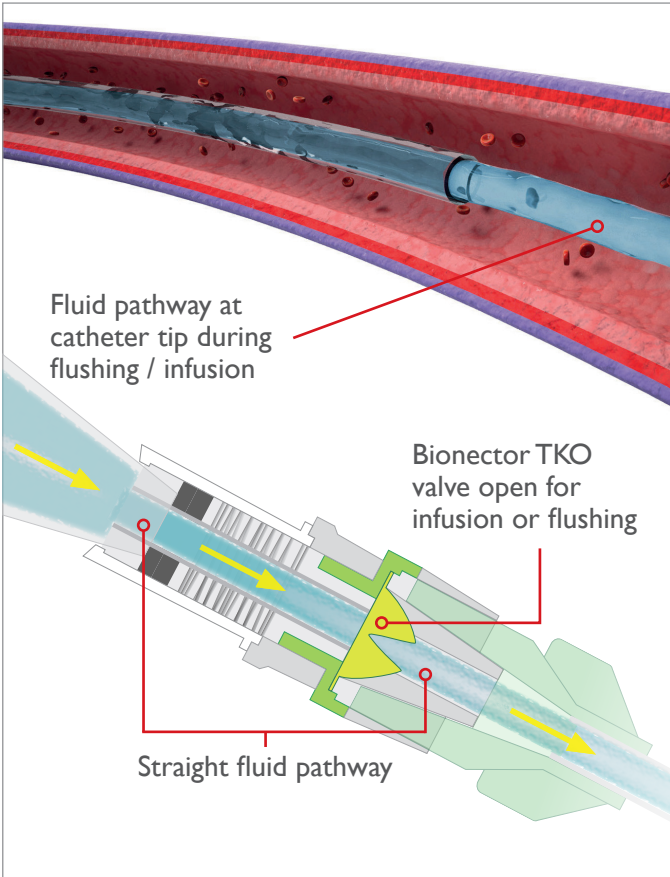
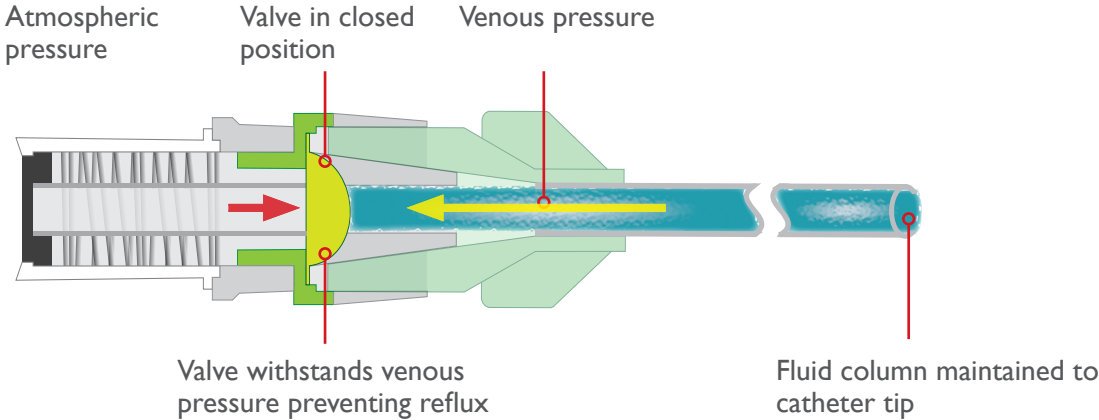


Vygon	NHSSC	Welsh Stores	NDC	PALS	Description	Box Qty
00083801 E	FSW584	FSN0345	183128	FVU000317	Bionector TKO® needle-free device	50/box
005222838	FSW778	-	-	-	Self-Administration Set (SAS) 27cm + Bionector TKO®	25/box

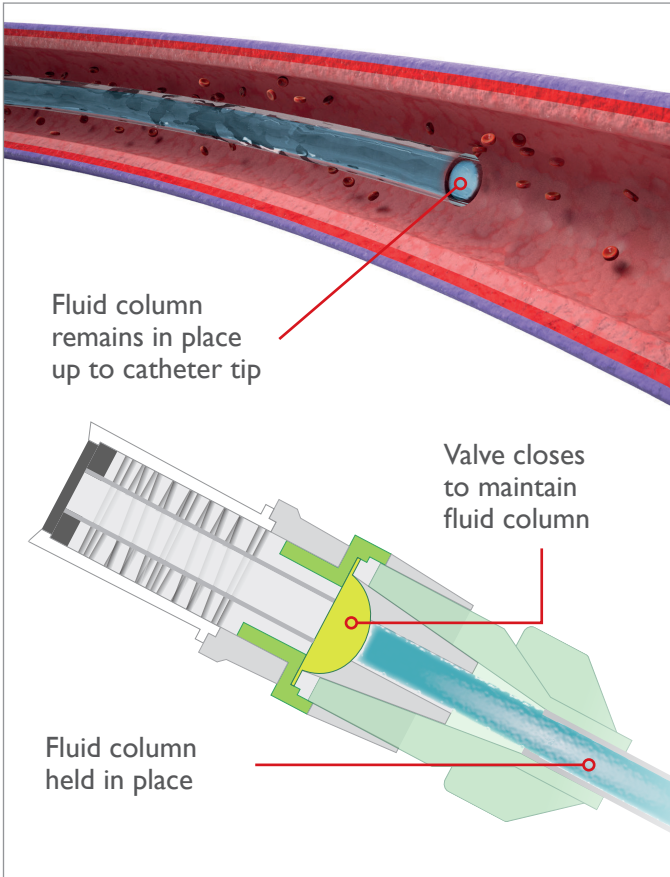
**Applies to Bionector TKO only. The Self-Administration Set has power inject up to 240 psi max.

The bi-directional flow

Withstands venous pressure to stay closed between accesses, but opens easily under forces exerted during infusion, injection or aspiration.



Valve opens on injection and infusion to allow administration of IV therapy.



Valve closes instantaneously on disconnection, holding the fluid column in place and preventing reflux at the catheter tip.

HAVE YOU SEEN BIONECTOR TKO SELF-ADMINISTRATION SETS (SAS)?

Featuring all the benefits of Bionector TKO with a longertube for patients to self-medicate in the comfort of their own homes.

Designed with OPAT teams

Developed with expert IV Nurse Specialists in Outpatient Parenteral Antimicrobial Therapy (OPAT) teams, the bionector TKO Self-Administration Set (SAS) is transforming the way IV medication can be delivered. By using the bionector TKO SAS, patients no longer need to visit the hospital for the therapy to be delivered. It features a 27cm polyurethane tube which is easy for patients to use and reduces the need for a community nurse to be there.

Wide variety of uses

The bionector TKO SAS is being used by OPAT teams for a range of patient groups in various hospital departments including:

- Orthopaedics
- Diabetics
- Infectious diseases
- Ear, nose and throat (ENT).



**Self-medicate in the comfort
of your own home with TKO SAS**



Our commitment to the environment

Vygon UK has long been dedicated to forging a sustainable future, proudly standing as a Carbon Neutral Company. Our commitment to sustainability extends beyond the present, focusing on securing a resilient tomorrow. We strive to deliver enhanced Corporate Social Responsibility (CSR), conscientiously managing the societal, economic, and environmental impacts of our operations to align with public expectations.

We are delighted to announce that Vygon UK has successfully undergone the NHS Evergreen Sustainable Supplier Assessment, attaining level 2 status. This is key to supporting us to understand how we align to the NHS's long term sustainability priorities and the pathway to progress.

These accomplishments underscore our unwavering dedication to sustainable practices and reinforces our role as a responsible contributor to the healthcare system.



DISCOVER OUR JOURNEY
scan with your smart device





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FOR FURTHER INFORMATION, PLEASE CONTACT: info@vygon.co.uk

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