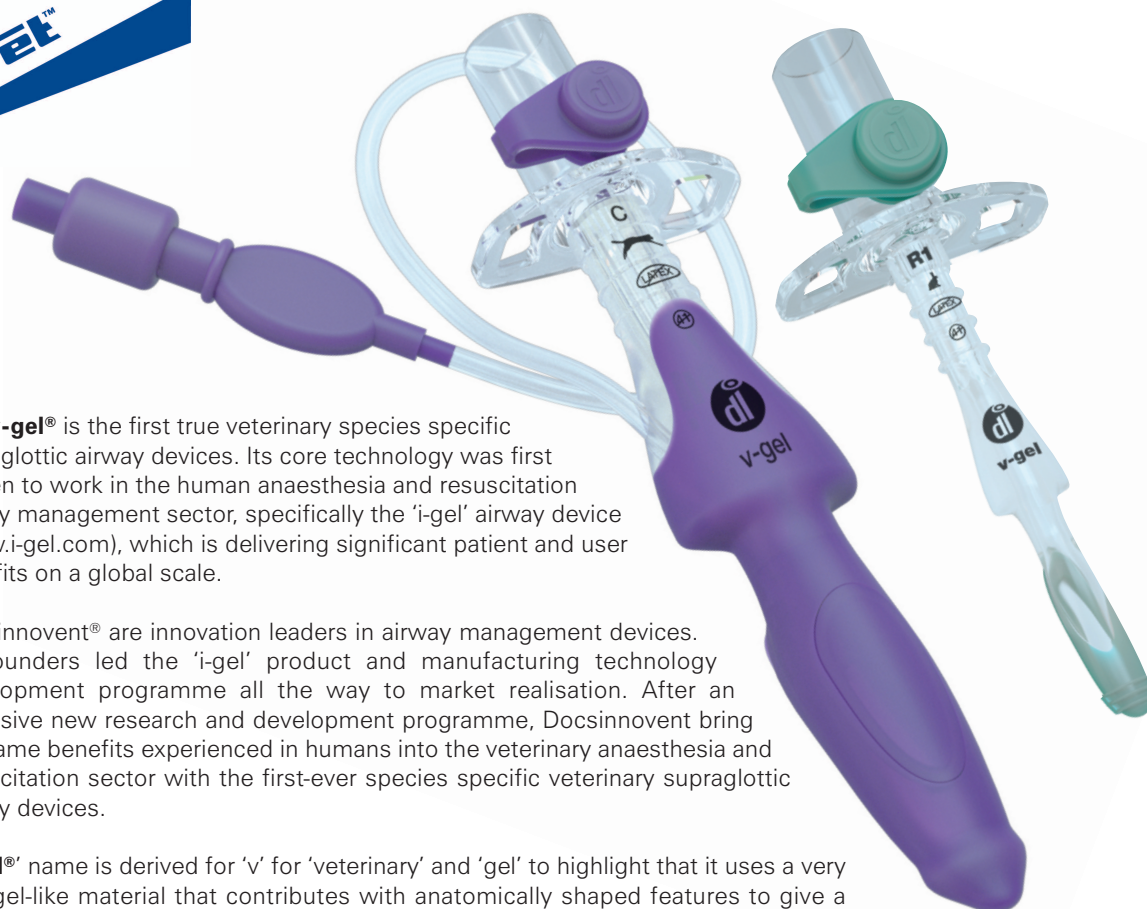


v-gel[®]

advanced veterinary airway management system



JorVet[™]



The **v-gel[®]** is the first true veterinary species specific supraglottic airway devices. Its core technology was first proven to work in the human anaesthesia and resuscitation airway management sector, specifically the 'i-gel' airway device (www.i-gel.com), which is delivering significant patient and user benefits on a global scale.

Docsinnovent[®] are innovation leaders in airway management devices. Its founders led the 'i-gel' product and manufacturing technology development programme all the way to market realisation. After an extensive new research and development programme, Docsinnovent bring the same benefits experienced in humans into the veterinary anaesthesia and resuscitation sector with the first-ever species specific veterinary supraglottic airway devices.

'**v-gel[®]**' name is derived for 'v' for 'veterinary' and 'gel' to highlight that it uses a very soft gel-like material that contributes with anatomically shaped features to give a trauma-free high quality pressure seal around the airway and oesophageal structures. '**v-gel[®]**' is an internationally patented, radical innovation for veterinary anaesthesia which delivers significant benefits:

The benefits of v-gel[®]

- Anatomical matching features combined with a soft gel-like material to give a high quality pressure seal that avoids laryngeal and tracheal trauma, which means safer anaesthetics and superb comfortable patient recoveries.
- Fast, easy, safe and stress free device insertions.
- No post-operative coughing or gagging
- Low airway breathing resistance due to the large airway channel within the device
- High quality pressure seal restricting leakage of volatile anaesthetic agents, thus improving health and safety in anaesthesia and overcoming patient sensitisation to smell – a common problem in rabbits.
- Super soft contoured tip for a highly effective upper oesophagus seal to prevent potential aspiration of reflux fluid.
- Integral gas sampling port to reduce re-breathing dead-space and making high quality monitoring easier.
- Integral bite block to stop patient damaging device and occluding the airway
- Materials validated for autoclave sterilisation to eliminate cross-infection.

CATS & RABBITS

v-gel[®] advanced veterinary airway management system

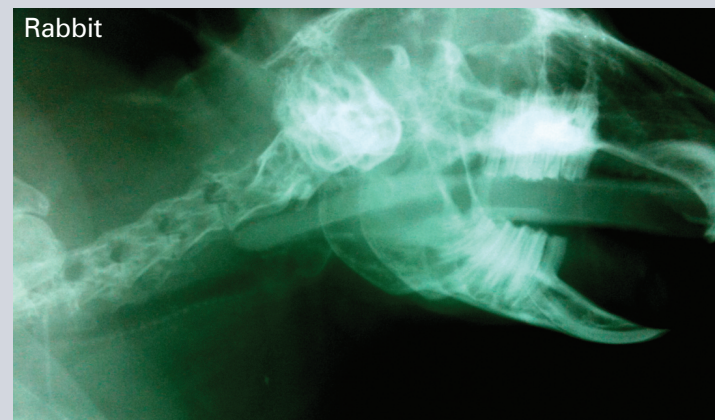
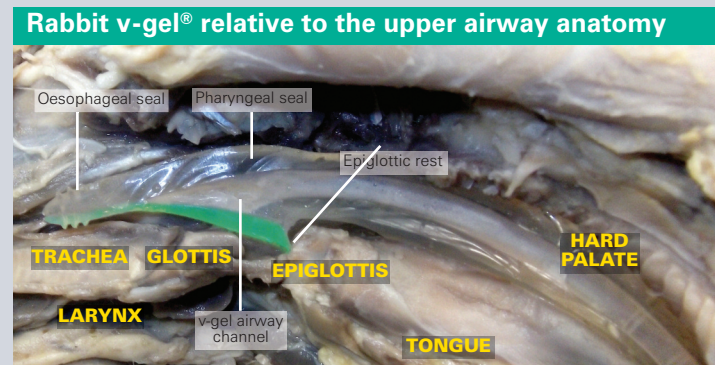
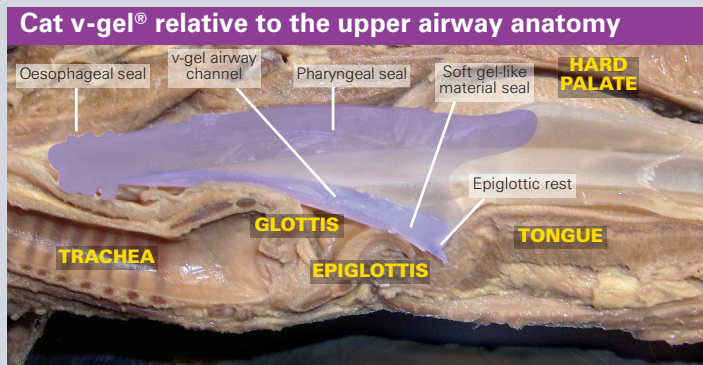
CATS & RABBITS

What it does

v-gel[®], has been researched, designed and developed specifically for veterinary use to establish a highly efficient and effective airway during general anaesthesia and resuscitation without the need for endotracheal tube intubation and therefore reduce anaesthesia airway-related morbidity and mortality issues.

How it works

The **v-gel[®]** shape is contoured to be a mirror of the upper airway anatomical structures in each of the species of animal for which it is designed, and incorporates a unique soft gel-like material to provide a fine adjustment of fit and super soft pressure seal. These elements merge to give a proficient user a fast, easy, accurate and safe airway device placement with a high quality seal around the peripharyngo-laryngeal framework and the upper oesophagus, which overcomes tissue compression and displacement trauma to patients.



Research and development

The **v-gel[®]** research and development programme has been conducted over several years and involved conducting extensive literature research; exhaustive post mortem neck dissection analysis with each relevant specie of animal; anatomical modelling; CAD modelling; radiological imaging; and extensive prototyping to obtain the correct shapes to mirror the anatomical airway structures which when combined with the super soft gel-like material give a high quality seal to overcome issues of tracheal and upper airway trauma. Following on from this, owner consented preliminary clinical trials were conducted for initial analysis and evaluation which, once approved, then led onto large scale patient clinical trials conducted at both private veterinary practices and university hospitals across the UK and Europe. **v-gel[®]** is therefore a product of a diverse expert user and in-use experience.

Advanced veterinary airway management

v-gel[®] is at the very core of delivering an 'advanced veterinary airway management system'. Our tube holder (d-grip[®]), tying material (V-Tie); device lubricating gel (VetLube[™]) together with our patient monitoring equipment provide the essential complementary components to further optimise the delivery of advanced airway management in veterinary practice.

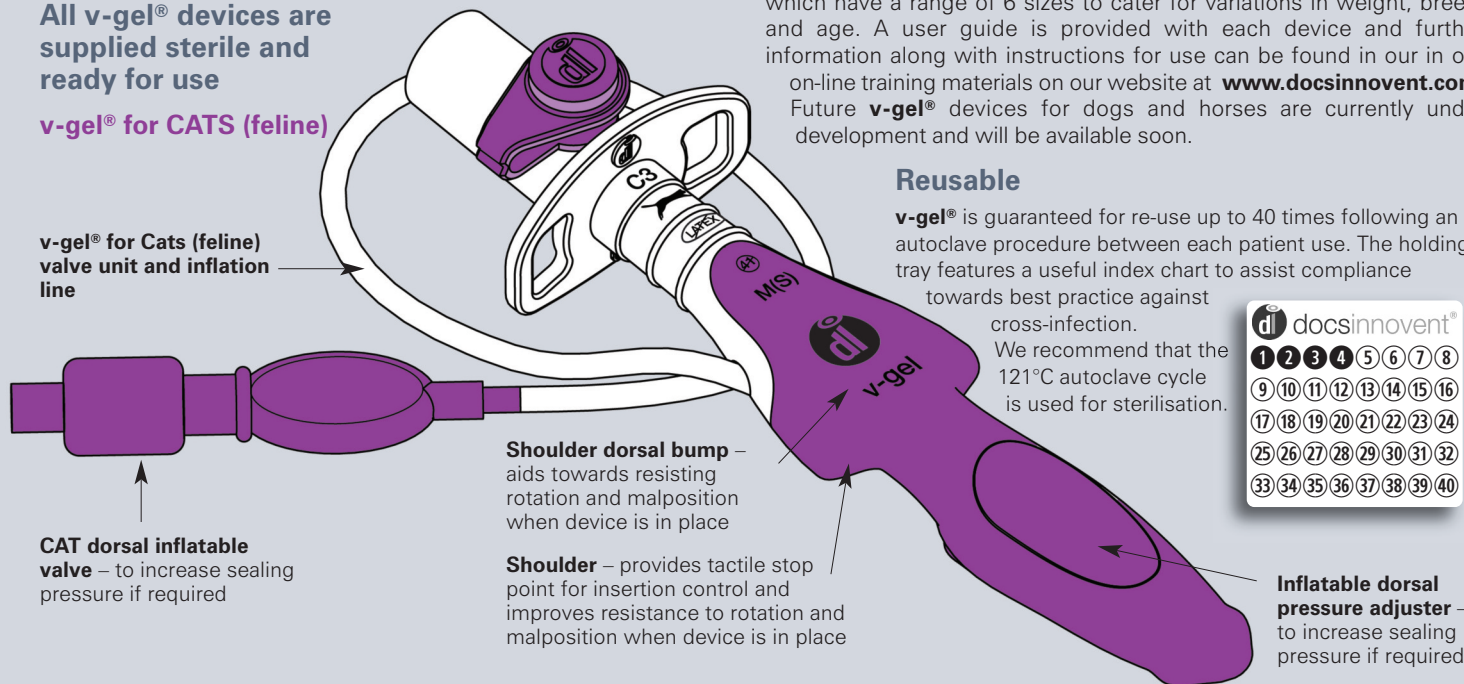
v-gel development prototypes



v-gel® key features

All v-gel® devices are supplied sterile and ready for use

v-gel® for CATS (feline)



v-gel® for Cats (feline) valve unit and inflation line

CAT dorsal inflatable valve – to increase sealing pressure if required

Shoulder dorsal bump – aids towards resisting rotation and malposition when device is in place

Shoulder – provides tactile stop point for insertion control and improves resistance to rotation and malposition when device is in place

docsinnovent®

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40

Reusable

v-gel® is guaranteed for re-use up to 40 times following an autoclave procedure between each patient use. The holding tray features a useful index chart to assist compliance towards best practice against cross-infection. We recommend that the 121°C autoclave cycle is used for sterilisation.

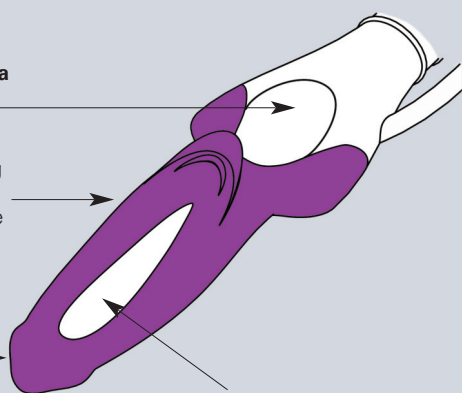
Inflatable dorsal pressure adjuster – to increase sealing pressure if required

Ventral surface

Tongue pressure relief area reduces risk of lingual compression or cyanosis

Cuff – anatomical matching contours with soft gel-like sealing ventral (airway) face

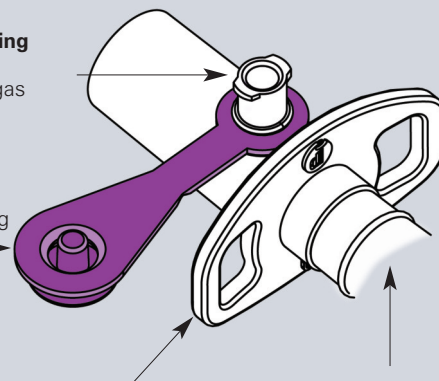
Cuff Tip – Contoured soft gel-like material to deliver a trauma-free oesophageal seal



Airway channel – large airway channel to minimise the increase in airway resistance normally seen with small diameter endotracheal tubes. The device can be gently flexed without collapsing the airway

Integral monitoring port permits attachment to a gas sampling line

Monitoring port cap – prevents gas leakage when monitoring sampling line is not attached



Wing sections and moulded tie ridges on the body provide various device-to-patient securing points to ensure to prevent malposition during use.

Integral bite-block provides protection for the airway, preventing the device from puncture if the patient bites down

Dorsal surface

Information details for easy identification and to assist with correct orientation and positioning:

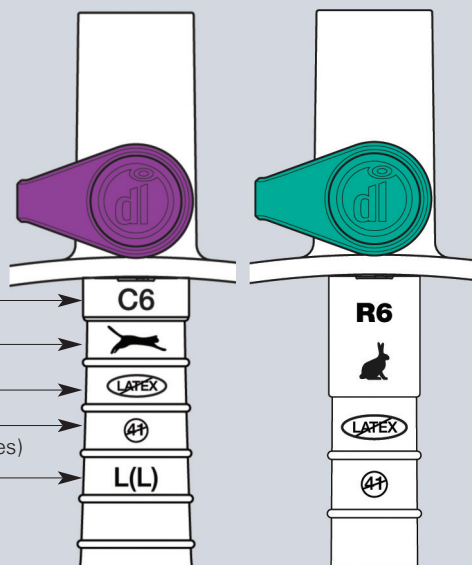
Size reference code – indicates what species the device is for and size

Species pictogram

Latex-free symbol

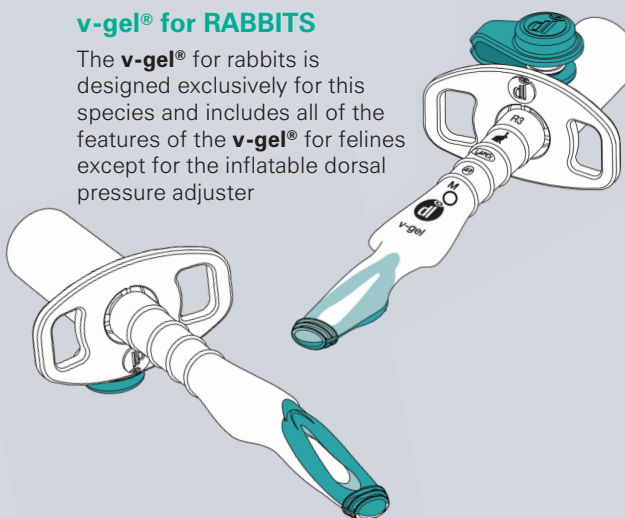
Maximum use indication (no more than 40 patient uses)

Alternative size reference indicator



v-gel® for RABBITS

The v-gel® for rabbits is designed exclusively for this species and includes all of the features of the v-gel® for felines except for the inflatable dorsal pressure adjuster



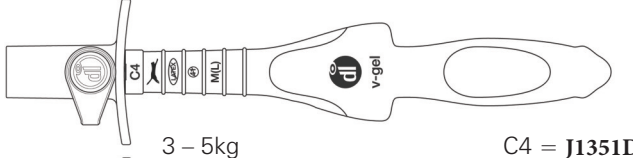


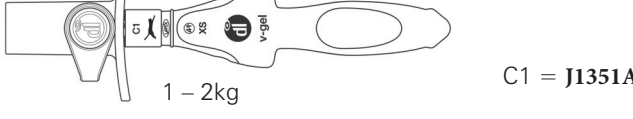


v-gel®



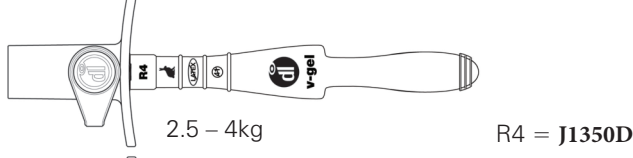

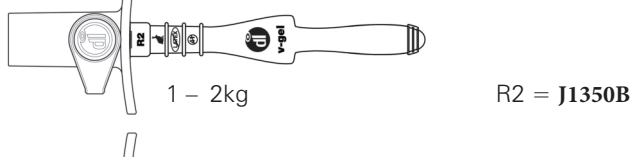
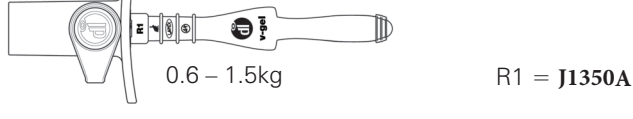
advanced veterinary airway management system

CATS & RABBITS

v-gel® for CATS

Weight of cat For guidance only	Order code
 5kg +	C6 = J1351F
 4 – 6kg	C5 = J1351E
 3 – 5kg	C4 = J1351D
 3 – 5kg	C3 = J1351C
 1.5 – 3kg	C2 = J1351B
 1 – 2kg	C1 = J1351A

v-gel® for RABBITS

Weight of rabbit For guidance only	Order code
 4.5kg +	R6 = J1350F
 3.5 – 5kg	R5 = J1350E
 2.5 – 4kg	R4 = J1350D
 1.8 – 3.5kg	R3 = J1350C
 1 – 2kg	R2 = J1350B
 0.6 – 1.5kg	R1 = J1350A

Indications for use of v-gel®

For use on fasted patients that undergo routine and emergency anaesthetics, or resuscitation, during spontaneous or IPPV (intermittent Positive Pressure ventilation).

Ethics

v-gel® has been researched and developed with full ethical committee approvals from numerous governing bodies and clinical trials have been carried out with owner consent.

Advanced veterinary airway management complementary products

d-grip® tube/circuit holder is the perfect circuit support for use in conjunction with v-gel® airway devices, and other airway devices. Order code: J1352



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V-Gel product videos available at www.JorVet.com