



**Rethink Ventilation  
in the Operating Room**  
Safe – Spontaneous – Simple

SMART VENTILATION  
CONTROL (SVC)  
VENTILATION OPTION  
OF DRÄGER ZEUS®  
INFINITY® EMPOWERED

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# Safe

## Lung Protective Ventilation during Anaesthesia



Similar to a Lane Keeping Assist, SVC is an anaesthetist assist system that keeps the patient in a protective range. You can set the etCO<sub>2</sub> ranges, like the lanes of the road, and SVC will keep your patients ventilation within the desired ranges.

## Low tidal volume built-in

Studies clearly demonstrate the advantages of using lung protective ventilation strategies in the OR in order to reduce the incidence of postoperative pulmonary complications. Smart Ventilation Control (SVC) supports clinicians in complying with recommendations to protect the lungs of surgical patients. Once the target ranges for tidal

volume and end-tidal carbon dioxide (etCO<sub>2</sub>) are defined, your ventilation assistant, SVC, ensures that ventilation stays within these ranges.

SVC helps to secure ventilation quality and compliance with the most current standard of care – **safe**, spontaneous, simple!

# Spontaneous

## Maximise Spontaneous Breathing during Anaesthesia

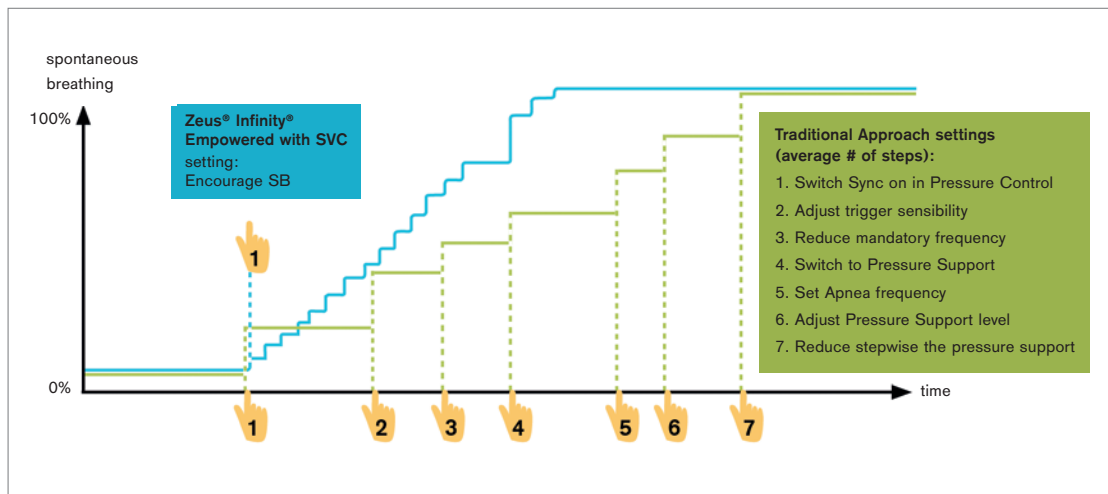
### The earlier the better

Current discussions on protective ventilation strategies in the OR aim to reduce pulmonary complications by counteracting the effects of mechanical ventilation. Recent findings in the ICU have led to increasing deployment of spontaneous breathing to the benefit of patients. In the OR, Smart Ventilation Control now supports the patient-oriented transition between fully controlled,

assisted and spontaneous ventilation. It can automatically reduce the ventilator support from pure controlled ventilation until the patient is ready for extubation.

SVC ensures that the emerging respiratory drive is gently being taken care of and spontaneous breathing is being fostered – safe, **spontaneous**, simple!

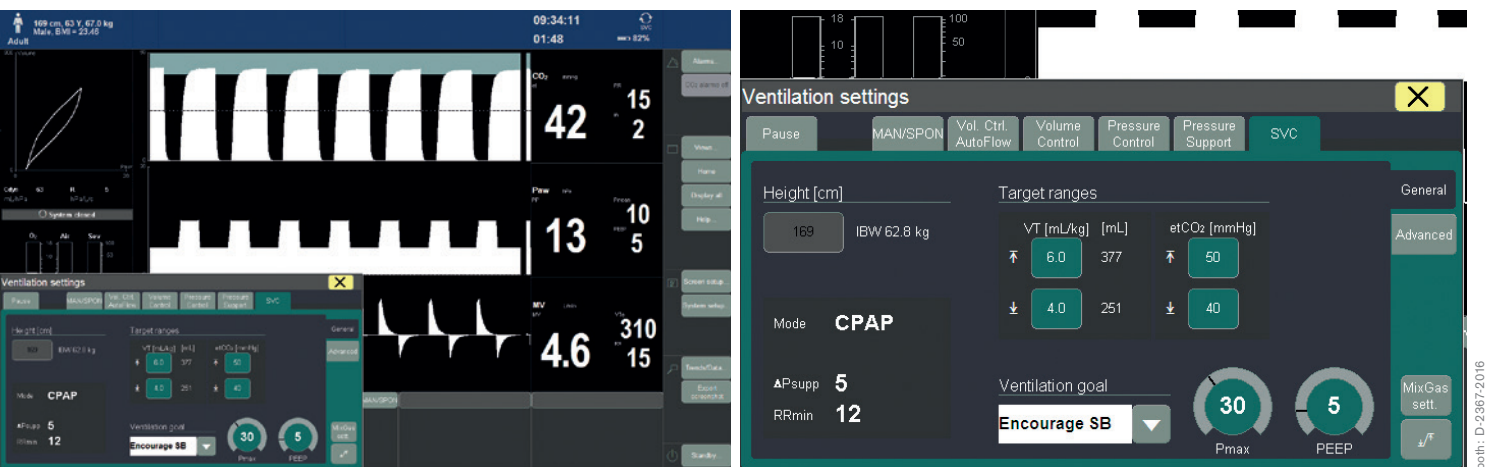
### SVC – A simple and patient-oriented way to achieve spontaneous breathing



The earlier a patient can breathe spontaneously throughout a case the better. SVC enables the smooth transition between 100% controlled ventilation and spontaneous breathing, whenever the patient is able to do so – possible by one click.

# Simple

## The Intuitive Approach to Ventilation



Smart Ventilation Control (SVC) user interface on Zeus® Infinity® Empowered

## Clinical knowledge built-in

A tool is of real help when it is intuitive and easy to use. SVC was designed to organically integrate into daily clinical practice giving the clinician the right choices. Once the desired ventilation goal is set SVC, takes over control of the dependent parameters keeping the patient within protective ranges.

SVC contributes to the reduction of complexity in the anaesthesia workplace while high ventilation quality is ensured – safe, spontaneous, **simple**.

# Rethink Ventilation in the OR

## Smart Ventilation Control



## Your Ventilation Assistant

### Safe

- Set one therapy goal, instead of controlling several parameters
- Helps to deploy protective ventilation in the OR
- Controls ventilation settings using evidence-based rule sets

### Spontaneous

- Supports the emerging respiratory drive during general anaesthesia if required
- Ensures smooth and individualised transition from controlled ventilation to complete spontaneous breathing

### Simple

- Simplifies achieving ventilation goals
- Controls ventilation parameters based on user defined ventilation goal
- Intuitively integrated into the Zeus® Infinity® Empowered user interface

### You make the therapy decisions – SVC assists you to get there.

A simple user interface allows you to set the ventilation goal and target ranges easily. With **low tidal volumes** and a smooth **transition** from **controlled ventilation** to **spontaneous breathing SVC** – the new ventilation option of Zeus® Infinity® Empowered – offers cutting edge technology and great ventilation **comfort** for **you** and **your patient**.

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