THE INSPIRATORY AND EXPIRATORY TRIGGER

What is it?
The inspiratory flow trigger counts spontaneous breaths that reach a certain flow trigger threshold. This criterion can be adjusted and is used to measure the respiratory rate, synchronize mandatory with spontaneous breathing and as a trigger for ventilation modes with breathing support.

The expiratory trigger determines the length of inspiration and the start of expiration based on the inspiratory termination criterion. This criterion stands for the percentage of peak inspiratory flow at which inspiration ends and expiration is to start.

Why is it helpful to improve the outcome?
• Prevents asynchronies in supported ventilation breathing
• Adapts breathing support to the patient’s lung properties and breathing pattern

Source: Dräger
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