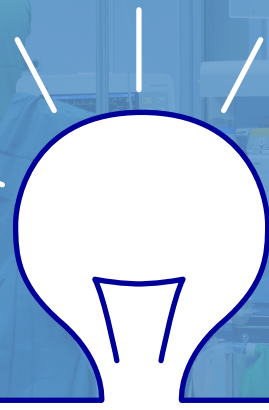


DID YOU KNOW?



AUTORELEASE®

What is it?

AutoRelease®

- Is a setting used during **Airway Pressure Release Ventilation (APRV)**
- Can be switched on or off while APRV is active
- It's an **automatic way to set the Tlow** in APRV, based on the patient's spontaneous breathing.

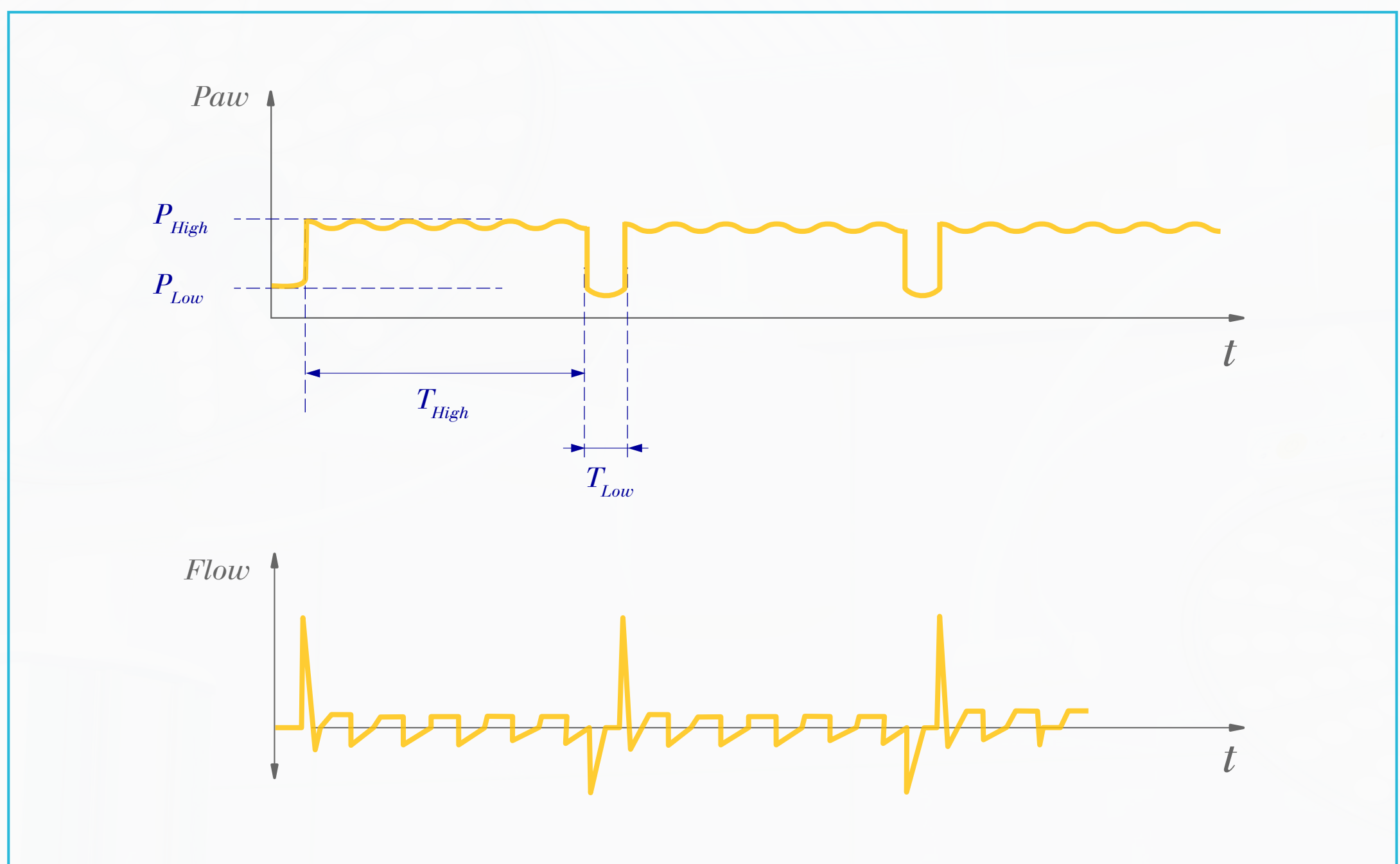
How is it working?

Tlow should usually set between 25% and 75% of peak expiration flow to terminate expiration¹.

During the activation of AutoRelease, the duration of pressure releases (Tlow) is determined by the expiratory flow trace.

The Exp. term. setting determines the percentage by which the expiratory flow must fall short of in relation to their peak flow for the ventilation to return to the high pressure level.

When AutoRelease is switched on, the changeover from **the upper pressure level P_{High} to the lower pressure level P_{Low} is synchronized with the patient's spontaneous breathing.**



Why is it helpful to improve outcome?

With AutoRelease, Tlow is automatically optimized to terminate expiration at a certain percentage of peak expiratory flow.

Keeping endexpiratory lung volume and CO₂ removal can be well balanced even in light of changing respiratory mechanics and expiratory flow patterns.

This results in:

- Easier to set APRV mode.
- Better synchronization between ventilator and patient.
- Better CO₂ removal in mechanics changes.