



Which lung protective modes can I use to treat patients with ARDS?

Pressure control

Bilevel mode

APRV mode



Initial settings

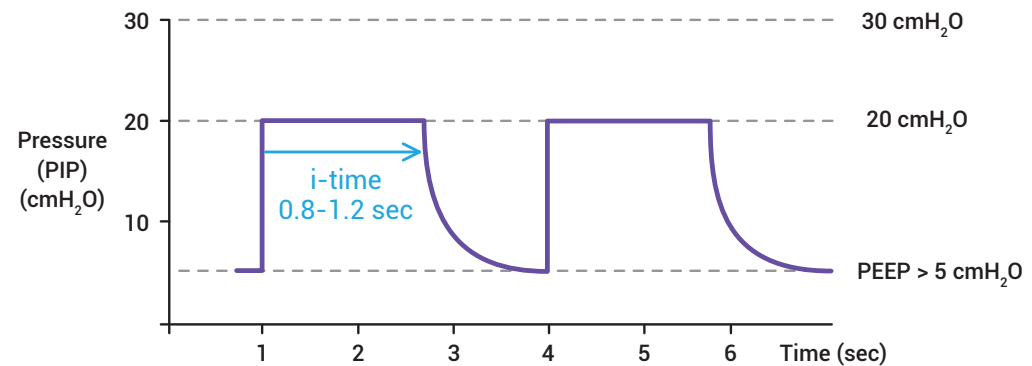
PIP 20–30 cmH₂O
i-time 0.8–1.2 sec
PEEP >5 cmH₂O

Monitor PaCO₂ (ABG)
Adjust RR as necessary

Pressure control

Pressure control mode is a lung protective mode that can be used to treat patients with ARDS.

Pressure control



PRO

↑ V_T = ↑ Lung compliance

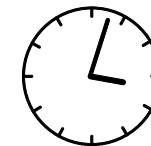
In pressure control mode, the V_T changes with lung compliance so you can easily monitor improvement in lung function.

CON

Asynchrony

Set i-time may not match the patient's desired i-time, causing patient to be out-of-sync with ventilator → anxiety!

1. Adjust and readjust i-time
2. Sedate patient
3. Switch to another mode



Bilevel?

APRV?