

Lung Protection Package



**XLerate Recovery
with Protective Ventilation**

XLerate recovery

The Lung Protection Package is a software option for the EvitaXL ventilator that helps you initiate lung protective ventilation fast to XLerate recovery.

Each patient situation is different, so protective ventilation must be flexible enough to adapt quickly and easily. Recruitment maneuvers can be sighs on a regular basis, sustained inflations, suc-

cessively increased PEEP or inspiratory pressure, or both together. Whichever maneuver is selected, the tools and monitoring must be at the users' fingertips at all times.

The Lung Protection Package meets these needs, so you can initiate the maneuver you consider most appropriate for your patient.





XLerate recruitment

You may want to increase PEEP or inspiratory pressure individually or together. PressureLink lets you link them, ensuring constant delta pressure throughout the maneuver.

QuickSet™ allows safe, quick and direct access for pressure adjustment in real time. As you hold the rotary knob down, you have full control at any time while making settings directly. Accidental adjustments are precluded.

QuickSet™ and PressureLink can be combined, giving you an ideal means to safely, conveniently and quickly reach your recruitment objective.

You can also provide sustained inflation by pressing the inspiration hold button for up to 40 seconds for any set pressure.

To monitor the influence of the recruitment maneuver, recruitment trends can be configured alongside ventilation curves. Endinspiratory pressure, PEEP, dynamic compliance and tidal volume

can be trended with a breath by breath resolution to assess changes in compliance and volume. A cursor can be used to measure each 900 trended breaths. To retain control during the maneuver, ventilation curves are visible at all times. Of course, recruitment trends can also be used to optimize settings, by maximizing compliance or finding the pressure setting at which tidal volumes or compliance suddenly drop.

XLerate setting optimization with EvitaXL

Recruiting is just part of a lung protective strategy. The next step is to keep the lung recruited, avoid derecruitment and ensure that alveoli are not overstretched.

The EvitaXL ventilator removes the guesswork, giving you a low flow maneuver to plot the patient's quasistatic PV loop. The maneuver allows for both inspiration and expiration, extending analysis of the PV loop to both. You can set start pressure, maximum

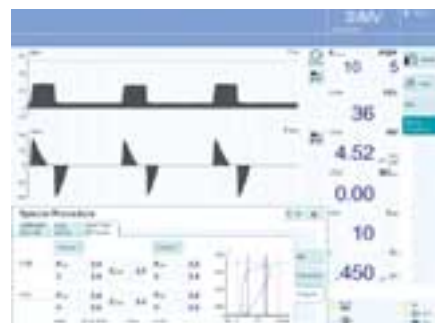
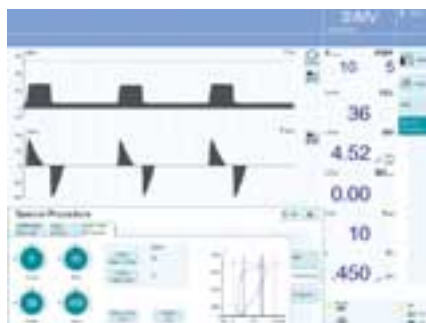
pressure, flow rate and maximum volume, to maintain complete control over the entire procedure. You can override the system to abort at any time.

Analysis of the inspiratory and the expiratory limb lets you analyze both the opening pressure and the closing pressure of the alveoli. You can choose the optimum PEEP setting, avoiding cyclic recruitment and derecruitment.

Two cursors and derived information on volume, pressure and static compliance let you determine the optimum tidal volume setting for the patient, avoiding overstretching of the lung and alveoli.

Together, the EvitaXL ventilator and the Lung Protection Package allow you to protect the lungs, optimize ventilation and XLerate recovery.

The PV loop tool:
 Fig. 1: settings
 Fig. 2: extended analysis
 of low flow inflation



Specifications

Lung Protection Package

Lung Protection Package:

QuickSet™
PressureLink
Recruitment Trends
Low Flow PV Loop

Technical Data

Low Flow PV Loop:
Low Flow Setting 4 to 15 l/min
Pstart 0 to PEEP
Vlimit 0 to 2.0 l
Plimit 0 to 80 mbar/cmH₂O

Recruitment Trends:

Up to 900 trended real time data of
Endinspiratory Pressure
PEEP
Compliance
Tidal volume

Europe, Middle East,
Africa, Latin America,
Asia/Pacific:

Dräger Medical AG & Co. KGaA
Moislinger Allee 53–55
23542 Lübeck
GERMANY
Tel: +49-1805-3 72 34 37
+49-451-882-808
Fax: +49-451-882-37 79
E-mail:
Business.Support@draeger.com

USA:

Draeger Medical, Inc.
3135 Quarry Road
Telford, PA 18969
USA
Tel: +1-215-721-5400
Toll-free: +1-800-437-2437
Fax: +1-215-723-5935
E-mail:
wwwinfo@draegermed.com

Canada:

Draeger Medical Canada Inc.
120 East Beaver Creek Road
Suite 104
Richmond Hill Ontario L4B 4V1
CANADA
Tel: +1-905-763-3702
Toll-free: +1-866-343-2273
Fax: +1-905-763-1890
E-mail:
Canada.Support@draeger.com

Manufacturer:

Dräger Medical AG & Co. KGaA
23542 Lübeck, Germany

The quality management system at Dräger Medical AG & Co. KGaA is certified according to ISO 13485, ISO 9001 and Annex II of Directive 93/42/EEC (Medical devices).