



Novalung kits

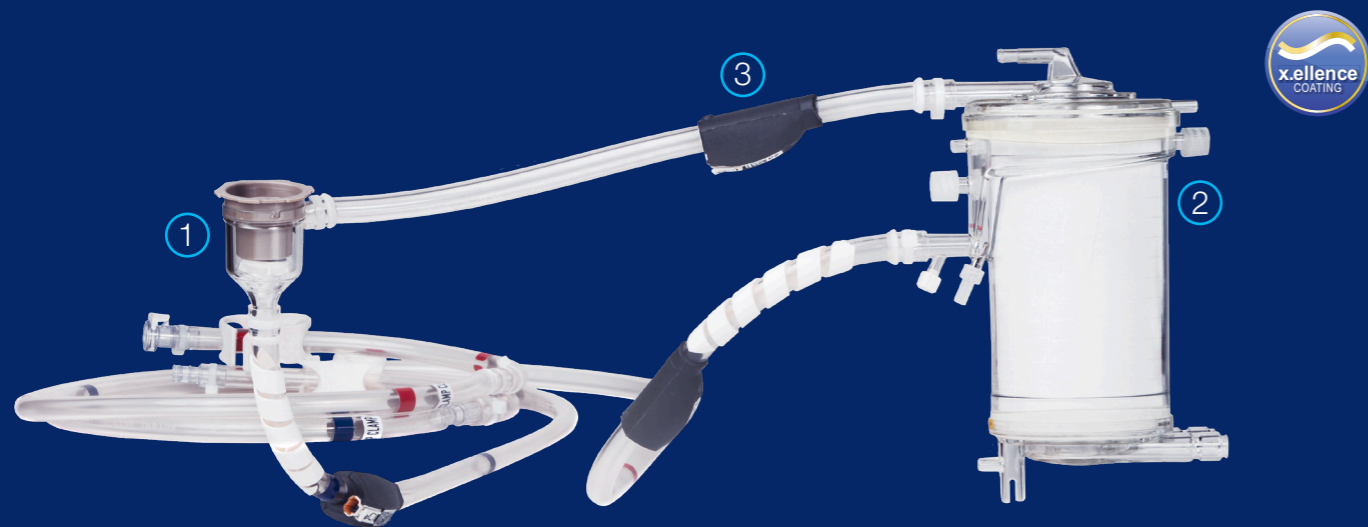
Heart and Lung Therapies

Our Novalung kits are used together with our console in LUNG ASSIST MODE for ECMO treatments.

The intended use of the Novalung kits is extracorporeal gas exchange, pumping of blood and thermoregulation of blood.

Elementray features

- Certified for 29 days application period
- Matching pump sizes for 1/4" or 3/8" tubing
- x.ellence multi-layer coating
- Wide range of extracorporeal respiratory support from from CO₂ removal to oxygenation support



① DP3 pump head

Novalung kits include the DP3 pump head, with a diagonal flow

- 1/4" with up to 2.4 l/min blood flow
- 3/8" with up to 8 l/min blood flow

② Oxygenator

Different sizes to meet patients' needs

- Plasma-tight Polymethylpentene (PMP) multilayer coating
- Temperature management possible

③ Integrated Pressure Sensors (IPS)

IPS without connectors and continous visibility

- No interruption of the tubing system allowing undisturbed blood flow
- Pressure measurement without blood contact reduces the risk of air aspiration
- No calibration during therapy necessary
- Design of the IPS sensors makes regular rinsing unnecessary and thus avoids hemodilution

	MiniLung kit 1/4"	XLung kit 230
Article no.	32000003	32000014
Coating	x.ellence	x.ellence
Blood flow rate	0.35–2.4 l/min	1.0–7.0 l/min
Tubing length	200 cm/200 cm	230 cm/230 cm
Total priming volume	240 ml ± 10 %	670 ml ± 10 %
Pressure measurement	IPS	IPS
Temperature management	✓	✓
Pump head size	DP3 1/4"	DP3 3/8"
Maximum gas flow rate	10 l/min	14 l/min
Maximum pressure on gas side	12 mmHg	25 mmHg
Maximum pressure on blood side	600 mmHg	600 mmHg
Maximum recommended water pressure	750 mmHg	750 mmHg
Surface area of gas exchanger	0.65 m ²	1.9 m ²

Further information (single components)

Gas exchanger		
Material	Polymethylpentene (PMP)	Polymethylpentene (PMP)
Static priming volume	95 ml	320 ml
Pump head		
Pressure difference	0–600 mmHg/0–80 kPa	0–600 mmHg/0–80 kPa
Pump speed	0–10.000 U/min	0–10.000 U/min
Size of blood inlet and outlet connectors	1/4" ; 1/4"	3/8" 3/8"
Others		
Sterilization method	Ethylene oxide (EO)	Ethylene oxide (EO)
Measuring rate IPS	-400 mmHg bis +400 mmHg (-53kPa bis +53kPa)	-400 mmHg bis +400 mmHg (-53kPa bis +53kPa)



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End of 2016, Xenios became a part of Fresenius Medical Care, the world's leading provider of products and services for people with chronic kidney failure.

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