

Neonatal Respiratory Humidifier

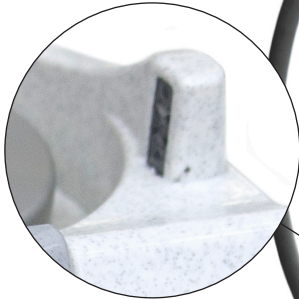
Hydraltis[💧] 9500**neo**



DEAS

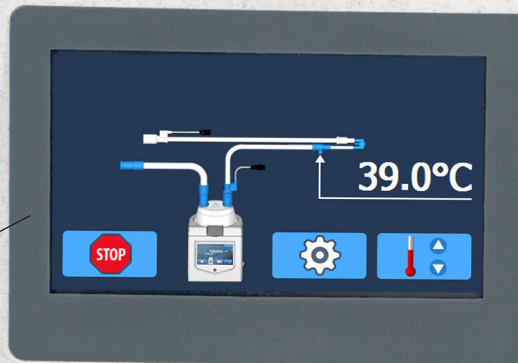
Overmoulded flex connectors

No leakage, perfect electrical insulation enhancing safety during use.

**Water level sensor**

Monitors inside the humidification chamber and turns on an alarm when the water is outside of the minimum and maximum levels.

Hydraltis
9500neo

**Clear, bright 4.3" touch screen**

Provides access to all functions and all the information needed at a glance.

Colour-coded cable connectors
Easy to set-up.

Phthalates free
Environmentally safe, health-friendly materials.

Reinforced tubing

Low compliance.
Ensures the respect of ventilation settings.
No obstructions in the internal lumen.
Better performance in HFO ventilation.

Hydraltis
9500neo

The new choice in active humidification

Humidification and warming of inspired gas during mechanical ventilation are essential in the neonate¹. Adequate inspired gas temperatures are associated with a lower incidence of pneumothorax and a decreased severity of chronic lung disease in ventilated very low birth weight infants².

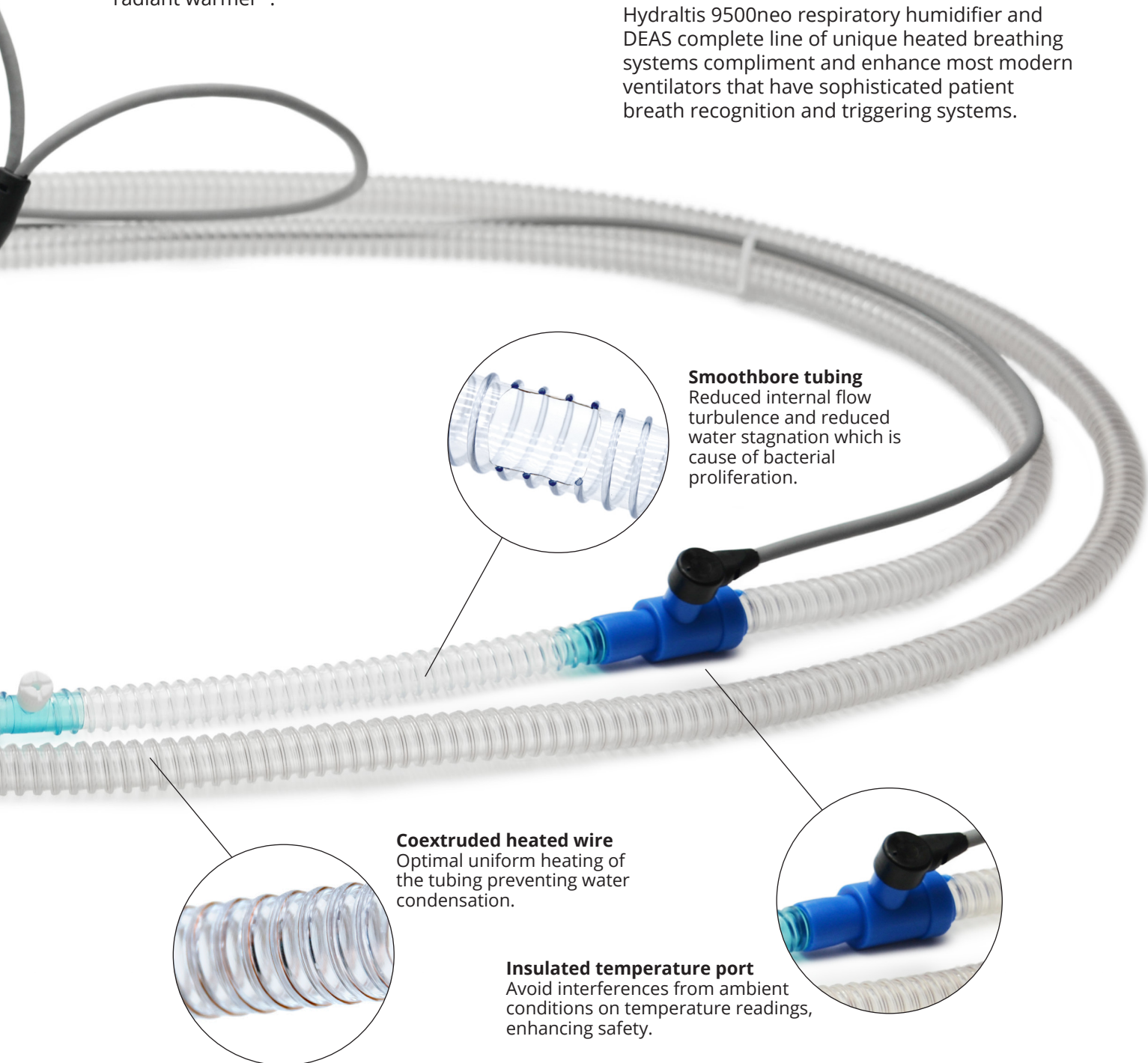
Critically ill neonates are commonly managed in incubators or on radiant warmers, and the delivered gas is exposed to two different temperatures, room temperature and the temperature in the incubator or under the radiant warmer³.

Hydraltis 9500neo optimally heats and humidifies low gas flow rates delivered to critically ill neonates, meeting the specific needs of Neonatologists.

Hydraltis 9500neo offers precise temperature and power control for better patient therapy, comfort, and safety regardless of changes in room, incubator, or radiant warmer temperatures.

Audible and visible alarms warn only when operator intervention is needed.

Hydraltis 9500neo respiratory humidifier and DEAS complete line of unique heated breathing systems compliment and enhance most modern ventilators that have sophisticated patient breath recognition and triggering systems.



Smoothbore tubing

Reduced internal flow turbulence and reduced water stagnation which is cause of bacterial proliferation.

Coextruded heated wire

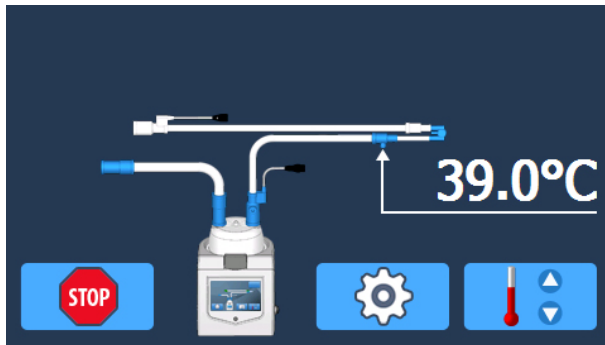
Optimal uniform heating of the tubing preventing water condensation.

Insulated temperature port

Avoid interferences from ambient conditions on temperature readings, enhancing safety.

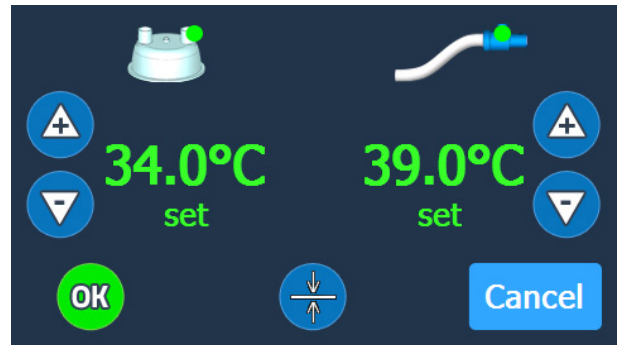
Enhanced usability for better patient care

Hydraltis 9500neo is simple and easy to learn. The user friendly interface can be accessed directly in one of 13 languages through a clear and large touchscreen LCD display that provides access to all functions and all the information needed at a glance.



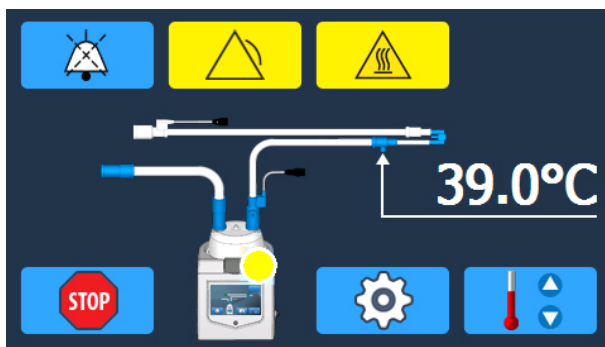
One screen for all functions

Humidification interruption, access to settings menu, temperature adjustment.



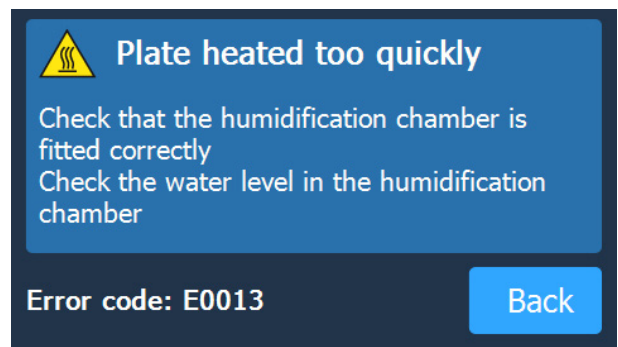
Simple, precise temperature control

Hydraltis optimises patient therapy, comfort, and safety regardless of changing ambient conditions.



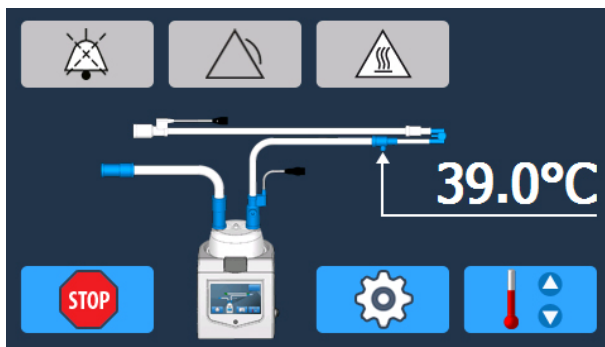
Visual and acoustic alarms

An intelligent alarm system constantly monitors the humidifier's behaviour.



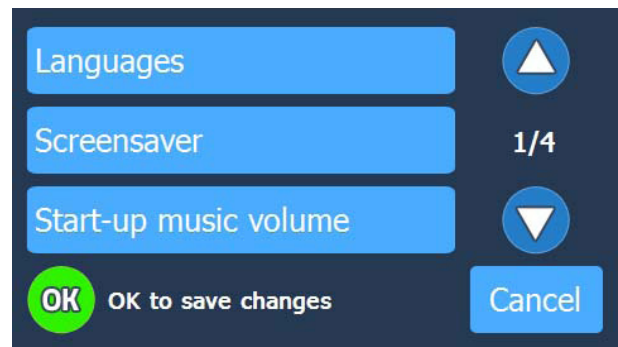
Multilingual alarm description

Operators can view a description of the hazard that is generating the alarm and troubleshooting solutions.



Non-latching alarms

Caregiver fatigue is reduced as alarms are silenced automatically when the associated triggering event no longer exists.



Settings

Language choice, optional visualisation of set temperatures, expiratory tube heating power, alarm and button sound levels, screensaver delay.

Ordering Information

Respiratory humidifier kits with water level sensor



REF: HY9500N-AC

Includes:

- HY9500N-020 White humidifier
230 V with level sensor and IEC C14 power plug
- HY9500-100 NS Temperature probe cable
- HY9500-102 NS Dual heating cable for heated circuits
- HY9500-110 AC power cord with IEC angle plug
and Schuko plug (CEE 7/4)

REF: HY9500N-AE

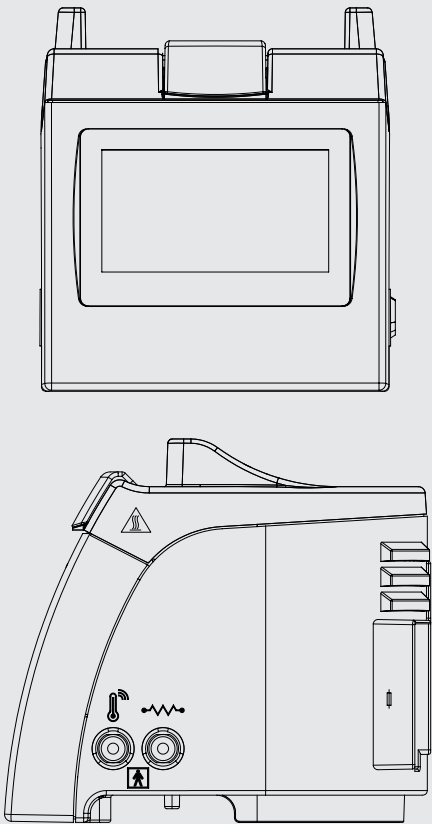
Includes:

- HY9500N-020 White humidifier
230 V with level sensor and IEC C14 power plug
- HY9500-100 NS Temperature probe cable
- HY9500-102 NS Dual heating cable for heated circuits
- HY9500-111 AC mains power cord with IEC angular socket
and BS 1363 plug

REF: HY9500N-BD

Includes:

- HY9500N-021 White humidifier
120 V with level sensor and IEC C14 power plug
- HY9500-100 NS Temperature probe cable
- HY9500-102 NS Dual heating cable for heated circuits
- HY9500-112 AC mains power cord with IEC
angular socket and US plug B



CLASSIFICATIONS

Humidifier (ISO 80601-2-74)	Category 1
Applied parts (IEC 60601-1)	type BF
Insulation (IEC 60601-1)	class II
Protection degree	IP32

ELECTRICAL SPECIFICATIONS

Power frequency	50-60 Hz
Power voltage	100 V ~ or 120 V ~ or 230 V ~
Absorbed power	260 VA
Heating plate power	160 W
Internal heating line power	60 W max (2 lines: 90 W max)

TECHNICAL INFORMATION

Dimensions (L x W x H)	152 × 200 × 171 mm
Weight	~1.6 kg
Display	4.3" color LCD touch screen
Alarm sound pressure level	>50 dB at 1 m distance

OPERATING ENVIRONMENT

Temperature	+18 °C to +26 °C
Altitude	0 - 2000 m (0 - 6000 ft)
Pressure	700 to 1100 hPa

Bibliographic references:

1. Schulze A. Respiratory gas conditioning in infants with an artificial airway. Semin Neonatol 2002;7:369 -377.
2. Tarnow-Mordi WO, Reid E, Griffiths P, Wilkinson AR. Low inspired gas temperature and respiratory complications in very low birth weight infants. J Pediatr 1989;114:438 -442.
3. Antonio Matias Esquinas. Humidification in the Intensive Care Units. The Essentilas. Springer 2012.

Accessories



REF HY9500-101NS
Single heating cable for
heated circuits



REF HY9500-102NS
Dual heating cable for heated
circuits



REF HY9500-100NS
Temperature probe cable



REF HY9500-104
Universal mounting clamp
made of anodised aluminium
for rails



REF HY9500-114
Universal mounting clamp
made of anodised aluminium
for stands



REF HY9500-110
AC power cord with IEC angle
plug and Schuko plug (CEE
7/4)



REF HY9500-111
AC mains power cord with IEC
angular socket and BS 1363
plug



REF HY9500-112
AC mains power cord with IEC
angular socket and US plug B



REF 04314 NS
Autofeed humidification
chamber



REF HY9500-800 NS
Neonatal dual heated
breathing circuit with autofeed
humidification chamber

DEAS produces a complete range of specific, approved heating circuits and accessories to ensure correct operation of the Hydraltis humidifier.
A full list of the approved models is available upon request.

CE 0123

DEAS

DEAS srl
via dell'Industria, 49
48014 Castel Bolognese [RA]
Italy

tel. +39 0546 656845
fax +39 0546 54706
deas@deasnet.it

www.deasnet.it

