

DIMAR

PRODUCT LINE

TURBH₂O

*The New Concept
of Humidification*



**Active Humidifier
&
Thermoregulated Respiratory Circuits with
Humidification Chamber**

TURBH₂O is a complete and innovative device for active humidification.

The system, equipped with thermoregulated circuits, allows to heat and humidify the gases inhaled by the patient while maintaining constant the set parameters of temperature and humidity.

Suitable for patients:

- **Adults**
- **Pediatric**
- **Neonatal**

Suitable for:

- **Intensive care**
- **Sub-Intensive**
- **First Aid and Ordinary Stay**



“TURBH₂O” can operate:

In configuration
AUTomatic
or
MANual

Priority of:
Temperature (T)
or
Absolute humidity (AH)

In mode:
Invasive
or
Non Invasive



Mode \ Range	Temp. (°C):	Flow (L/Min):	Absolute Humidity (mg/L):
Invasive	35 ⇄ 37	0,5 ⇄ 15	> 33
Non Invasive	28 ⇄ 34	0,5 ⇄ 60	> 10
Non Invasive - High Flows	34	30 ⇄ 60	> 16

In compliance with ISO 80601-2-74 requirements

Rapid warm up achieved with the innovative heating system integrated in the humidification chamber

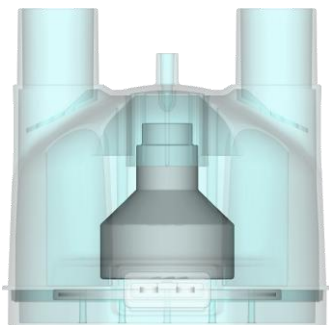
- **More effective/efficient**
- **No hot contact surface for the operator**
- **Greater safety**



TurbH₂O Humidification Chamber has innovative features:

Internal heating element

- Improved effectiveness, efficiency and stability in thermoregulation and humidification
- Increased safety due to no hot surfaces
- Rapid and efficient initial heating phase



Humidification Chamber reduced in size

- Minimum of space
- Unique for Adult, Pediatric and Neonatal patients

Quick connection to the «TurbH₂O» device

Automatic filling and constant level with double safety check

- Mechanical float
- Minimum and maximum H₂O level electronic sensors



- Single-patient respiratory circuit corrugated anti crush
- Heating resistance in both the **Inspiry** and **Expiry** lines
- **No condensation**
- **Efficient use combined with Lung Ventilator**

Temperature sensors integrated in the circuit guarantee:

- Quick connection
- Precision
- Hygiene

Connection to the **Fast** and **Safe** Humidification Chamber

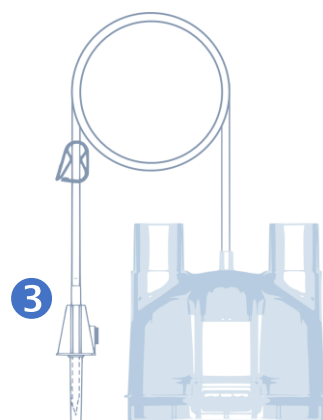
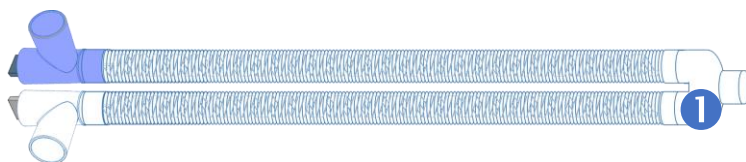
Available in **Adult**, **Pediatric** and **Neonatal** versions

Connections with **Color Code**



Composition of Double Thermoregulated Circuit

- ① Double Thermoregulated Circuit (150 / 180 cm)
- ② Corrugated Tube (60 / 75 cm)
- ③ Humidification chamber with integrated H₂O deflussor



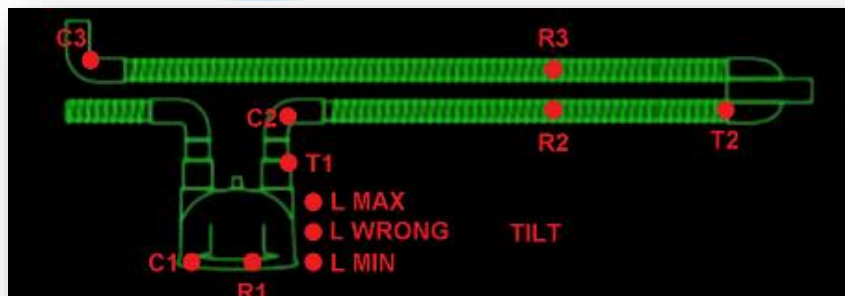
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④



Active Humidifier



Example screen:

Initial check of link control

Possibility of working both in:

- **Temperature Priority**
- **Priority of Absolute Humidity**

T → 37.0 °C



AH → 44.0 mg/Lt



Large touch screen display,
intuitive indications
and
Synoptic table of alarms.



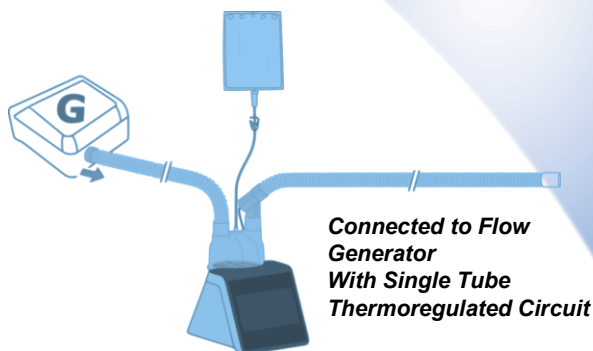
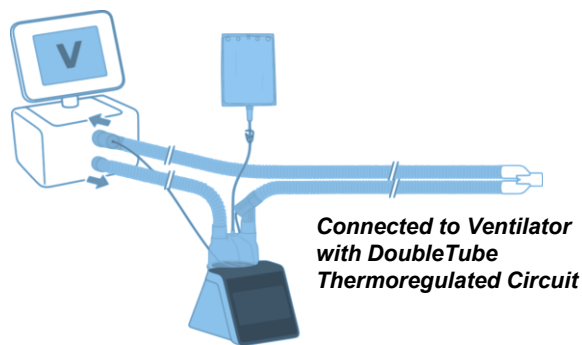
Integrated **Min** and **Max**
electronic level sensors
for the control of the
filling of the
Humidification Chamber

Predisposition for mounting on a
stand, bar or floor (optional)

Lightweight device - Only 0.9 kg

100% Made in Italy





A GUIDE TO ORDER

DESCRIPTION	CODE	CND/EMDN	RDM
Active Humidifier "TURBH ₂ O"	700/6364	Z1203019080	2683540
Double Thermoregulated Circuit Adult 150 cm	800/5002	R020107	2683417
Single Thermoregulated Circuit Adult 150 cm	800/5003	R020107	2683417
Double Thermoregulated Circuit Adult 180 cm	800/5004	R020107	2683417
Single Thermoregulated Circuit Adult 180 cm	800/5005	R020107	2683417
Double Thermoregulated Circuit Pediatric 150 cm	800/5006	R020107	2683417
Single Thermoregulated Circuit Pediatric 150 cm	800/5007	R020107	2683417
Double Thermoregulated Circuit Pediatric 180 cm	800/5008	R020107	2683417
Single Thermoregulated Circuit Pediatric 180 cm	800/5009	R020107	2683417
Double Thermoregulated Circuit Neonatal 160 cm	800/5010	R020107	2683417
Single Thermoregulated Circuit Neonatal 160 cm	800/5041	R020107	2683417

