

**DIMAR**

PRODUCT LINE

# *TURBH<sub>2</sub>O*

*The New Concept  
of Humidification*



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

**TURBH<sub>2</sub>O** 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**



**“TURBH<sub>2</sub>O” 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): |
|----------------------------------|----------------|-----------------|---------------------------|
| <b>Invasive</b>                  | <b>35 ⇄ 37</b> | <b>0,5 ⇄ 15</b> | <b>&gt; 33</b>            |
| <b>Non Invasive</b>              | <b>28 ⇄ 34</b> | <b>0,5 ⇄ 60</b> | <b>&gt; 10</b>            |
| <b>Non Invasive - High Flows</b> | <b>34</b>      | <b>30 ⇄ 60</b>  | <b>&gt; 16</b>            |

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

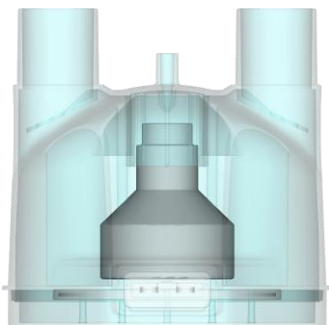
- **More effective/efficient**
- **No hot contact surface for the operator**
- **Greater safety**



**TurbH<sub>2</sub>O 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 «TurbH<sub>2</sub>O» device

## Automatic filling and constant level with double safety check

- Mechanical float
- Minimum and maximum H<sub>2</sub>O level electronic sensors



# Thermoregulated Circuits

- 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

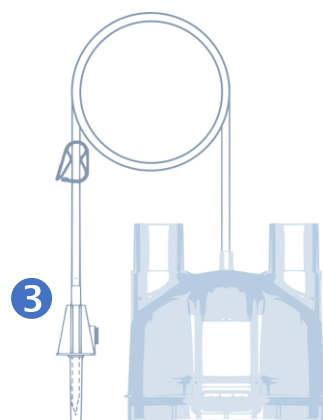
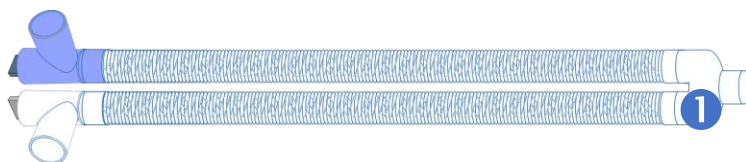
Available in **Adult**, **Pediatric** and **Neonatal** versions

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 H<sub>2</sub>O defluser



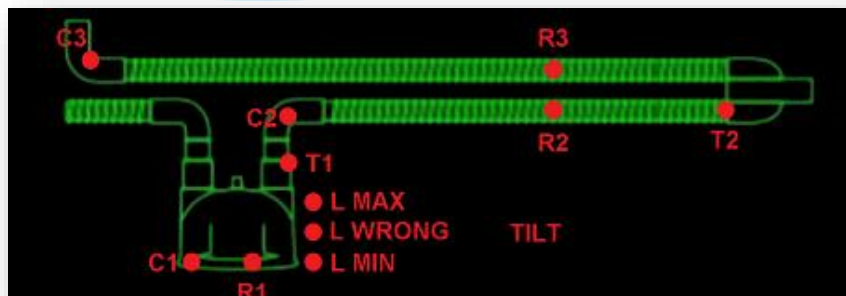
## Composition of Single Thermoregulated Circuit

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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.



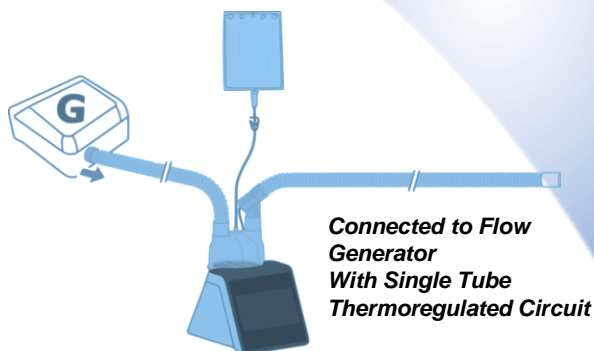
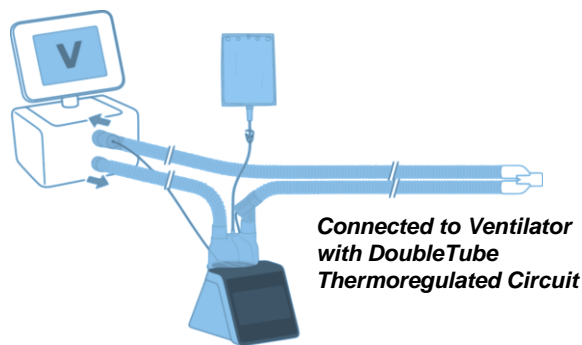
Integrated **Min** and **Max**  
electronic level sensors  
for the control of the  
filling of the  
Humidification Chamber

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 <sub>2</sub> 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 |

