



## / protect and perform

As a healthcare professional, you want to protect your patient and yourself against hospital acquired infections. But protection comes with barriers which feel inconvenient at times. In the operating room, you have to stay sharp and focused - sometimes for hours.

Our mission is to be the first choice for surgeons and their teams who want more protection while maintaining their personal effectiveness in the operating room.



# / ViVi® - designed for high performance

With the design of ViVi®, we put all the focus on the surgeon and his or her tasks at hand. Shape and materials work together to deliver the best support for the professional in a highly demanding environment.

The structure of ViVi® follows the human body and the airflow surrounding it. ViVi® curves around your

head, creating a daring form that has no straight lines and is reduced to the bare essentials - everything serves a concrete purpose.

The strength of ViVi's design is this marriage of form and function into an uncompromising whole that reflects the purpose of the work that will be accomplished with it.



## / ViVi® - a new generation

ViVi's roots lie in valuable user insights gathered from our successful Oxygen system. We challenged everything, listened carefully and literally started from scratch.

The ViVi® helmet sets a new standard on many levels. Its carbon fiber reinforced frame provides for a resilient, and with **370g (0.82 lb)**, incredible light structure. The meticulously crafted air intake and exhaust system is the most quiet on the market, it provides not only high airflow for cooling but more important, exceptionally high air exchange rates inside your suit. Cooling is nice, but do you want to breath your own exhaled air? A large field of vision, hands free gesture control, activity sensing and support for action cams complete the most innovative solution currently available.

#### / gesture control



Keep your hands at the patient and just nod your head to change fan speed! Alternatively, **motion sensing technology** recognizes your physical activity level and automatically adjusts fan speed.

#### / quiet



Imagine having a walk in the woods, a **slight breeze** blows through the leaves. That's the level of noise you will experience inside the ViVi® helmet.

#### / vision



A large field of vision is everything. The ViVi® helmet provides for a **190 degree** distraction free view.



### / lightweight



There is nothing like carbon fiber (CFRP). A mere **370g (0.82 lb)** is the new benchmark for a surgical helmet. You might not even notice that there is something on your head.

#### / cool & comfortable



The patented **2-fan system** helps to remove filtered waste air from the suit, directing it away from the patient. A high performance air intake eliminates internal recirculation of waste air.

### / perfect balance



Nothing pulls on your neck, the **virtual center of mass** is inside your head.

# / gesture control

Nod your head to adjust the fan speed. Keep your hands at the patient! ViVi® uses motion sensing technology to recognize gestures.

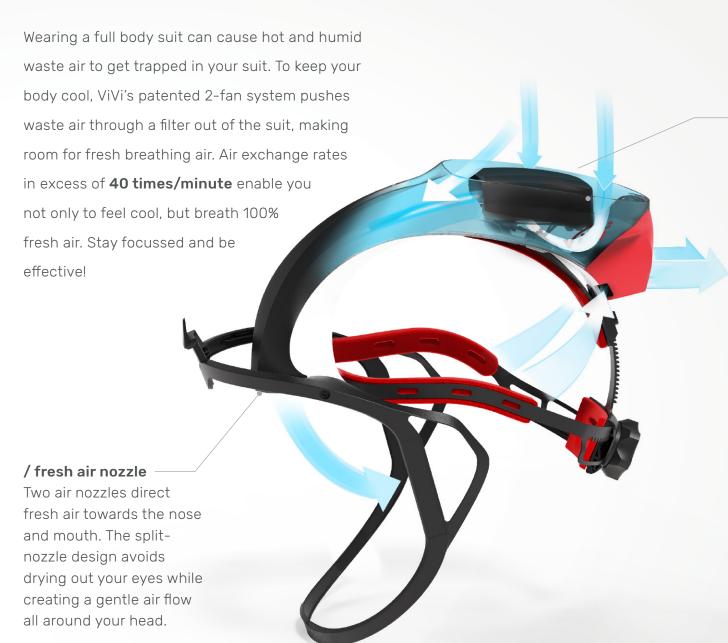
# / activity sensing

The more you move, the hotter it gets. Not anymore! Vivi® uses activity sensing to automatically adjust fan speed to your level of physical activity.

Every time
you touch your
suit, you risk to
contaminate your
gloves. Not anymore!



### / cool & comfortable

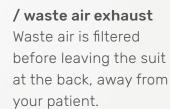


#### / fresh air intake

The unique aerodynamic design is optimized for maximum airflow without re-circulation of waste air. The air duct is easy to clean.

#### / waste air collection

Two ports collect humid and  $CO_2$  enriched waste air and help to remove it from the suit.





### / a reliable barrier

Our hoods and togas are intended to help protect both the patient and the healthcare professional from the transfer of microorganisms, body fluids, and particulate material. The hood is a

stand-alone head cover that may be worn with a separate surgical gown, while the toga is a one-piece head and body cover.

### / hood

- designed to meet AAMI Level 4 and EN 13795
- breathable viral barrier
- one-size-fits-all
- 105g (0.23 lb)
- single use/sterile



### / zippered toga

- · AAMI Level 4 protection
- EN 13795 'high performance'
- breathable viral barrier
- available in 3 sizes
- 330g (0.73 lb)
- single use/sterile



# / components



#### /helmet

weight 370g (0.81 lb)
airflow (max) 310 lt/min (10.9 cfm)
fans 2 (various speeds)
battery life\* minimum 5h30min
control automatic + gesture
input voltage 12.4 - 16.4 V (DC)

ingress protection IPX0

dimension 332x222x336 mm

headband 50-69 cm (19.5 - 27.2 in)

\*... with a new, 100% charged battery



#### / battery pack

type	Li-lon
weight	250g (0.55 lb)
voltage	14.8 V (DC)
capacity	43.6 Wh
dimension	80x30x103 mm

#### / charger

adaptor input	100 - 240 V 50 - 60
	Hz 1.7 A; 70 W
charger input	24 V (DC); 2.9 A
dimension	200x130x40 mm
weight (w/adaptor)	760 g (1.68 lb)

## / how to buy



To find a distributor in your area visit our website:

www.thigmbh.at

**80100** ViVi® Helmet

80200 ViVi® Hood (20 per case)

80220 ViVi® Toga XL-XXL (20 per case)

**80221** ViVi® Toga M-L (20 per case)

80222 ViVi® Toga XXS-S (20 per case)

**60401** Battery Pack

**60500** Battery Charger

**50785** Replacement Comfort Pads (1 set)

### / about THI

THI is a team of passionate, driven healthcare professionals and product designers.

Since 2009, we have been committed to continually raise the bar in terms of comfort and protection of personal infection prevention systems, dedicated to the development of innovative surgical helmets and gowns.







THI Total Healthcare Innovation GmbH phone +43 4228 30100

Gewerbestrasse 4 fax +43 4228 30100 - 20

9181 Feistritz im Rosental email office@thigmbh.at

AUSTRIA web www.thigmbh.at

This documentation is intended exclusively for physicians and is not intended for laypersons. Information on the products and procedures contained in this document is of a general nature, does not represent, and does not constitute medical advice or recommendation. Because this information does not purport to constitute any diagnostic or therapeutic statement with regard to any individual medical case, each patient must be examined and advised individually, and this document does not replace the need for examination and/or advice in whole or in part. Please refer to the package inserts for important product information, including, but not limited to, indications, contraindications, warning, precautions, and adverse effects.

Products may not be available in all markets. Product availability is subject to the regulatory or medical practices that govern individual markets.