

### Overview

Gelair™ Air Conditioning Blocks (Gelair™ ABs) are used in **HIGH (AIR) VOLUME, HIGH (AIR) FLOW** areas such as the Air Handling Unit (AHU) of air conditioning systems to sterilise and sanitise the whole air conditioning system and effectively stop the spread of invisible mold, bacteria and viruses by treating all air entering and leaving the AHU.



### Description

Gelair™ ABs consist of a specially formulated and patented gel matrix block impregnated with Tea Tree Oil. The gel matrix provides the controlled and sustained release of high quality Australian Tea Tree Oil vapour for 4 to 6 weeks. Once released, the vapour permeates through the entire air conditioning system, sterilising and sanitising the AHU supply ducts, return ducts and diffusers of the air conditioning system. The released Tea Tree Oil vapour also treats all the air passing through the air conditioner and into the building effectively stopping the spread of invisible mold, bacteria and viruses (including *Legionella*). **WE CALL THIS '360° TREATMENT'.**

The sterilising and sanitising properties of the Gelair™ AB continues for the entire life of the Gelair™ air conditioning block due to the superior ability of the gel matrix to control the release of specific concentrations of Tea Tree Oil vapour over a long period of time.

Gelair™ ABs are designed for use in **DUCTED AIR CONDITIONING SYSTEMS** sized from small, one-room systems through to large air handlers and cooling blocks for large office buildings.

### About Tea Tree Oil

The active ingredient of the Gelair™ gel matrix is Australian Tea Tree Oil. Tea Tree Oil is an essential oil which is known around the world for its **INCREDIBLE STERILISING PROPERTIES** (removal or killing of all forms of microbial life present including transmissible agents such as fungi, bacteria, viruses, spore forms etc). The sterilising properties of Tea Tree Oil are present both in the oil and in the vapour (tiny particles of the oil which have become airborne).

Not all Tea Tree Oils are of a similar standard. All Gelair Products contain only Australian Tea Tree Oil sourced from a single ISO certified plantation. This ensures a superior product every time with minimal chance of irritation caused by poor quality oil.

Tea Tree Oil has a characteristic odour which most people describe as “fresh” and “clean”.

### Benefits

- |   |   |
|---|---|
| 1. Kills mold.                                    | 6. 100% natural.                            |
| 2. Kills bacteria (including <i>Legionella</i> ). | 7. No bacterial resistance issues.          |
| 3. Kills viruses.                                 | 8. Simple to install and no maintenance.    |
| 4. Eliminates odour caused by mold and bacteria.  | 9. Treats the air, the system and the room. |
| 5. Improves Air Quality.                          | 10. One product, multiple actions.          |

**Product Size** Gelair™ ABs are available in **FOUR** different **GEL MATRIX BLOCK** weight sizes to suit different sized systems.

PRODUCT SIZE	<b>AB0.5</b> > 0.5 kg	<b>AB1</b> > 1 kg	<b>AB2</b> > 2 kg	<b>AB4</b> > 4 kg
BOX SIZE (No. / Box)	24	10	8	1

### Choosing the right size AB

Choosing the right sized AB should be based on **ONE** of the following:

#### ➤ DESCRIPTION OF THE AREA

Gelair™ AB Size	Description of the Area
AB0.5	Small system or single room air conditioner
AB1	Single room fan unit commonly found in a hotel room or small ship's cabin
AB2	Larger multiple room AHU (for example, house)
AB4	Large AHU for multiple room building (for example, 5 – 10 offices)

#### ➤ SIZE OF AREA SERVICED BY AIR CONDITIONER

Gelair™ AB Size	Size of Area Serviced by the Air Conditioner	
	m²	ft²
AB0.5	30	300
AB1	100	1000
AB2	250	2500
AB4	500	5000

#### ➤ AIRFLOW THROUGH THE AHU

Gelair™ AB Size	Airflow through Air Handling Unit	
	ft³/min	m³/hr
AB0.5	250	425
AB1	500	850
AB2	1000	1700
AB4	2000	3500
AB4 (x2)	4000	7000

#### ➤ POWER OF THE AIR CONDITIONER

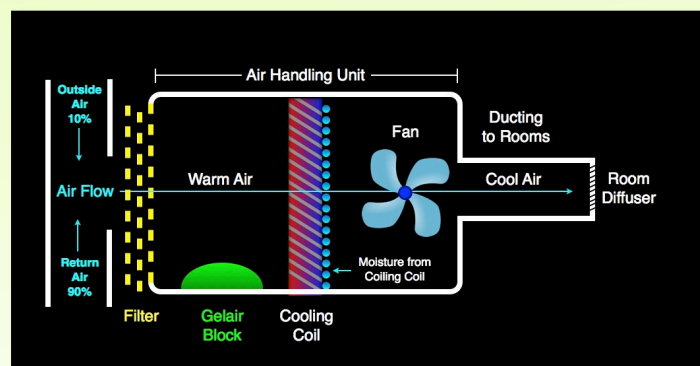
Gelair™ AB Size	Power of Air Conditioner		
	kW	HP	BTU/h (x1000)
AB0.5	1.5 – 2.5	0.5 – 1.0	4.5 – 9.0
AB1	2.5 – 3.5	1.0 – 1.5	9.0 – 13.5
AB2	3.5 - 15	1.5 – 6.0	13.5 - 54
AB4	15 - 20	5.0 – 8.0	45 - 72

### Directions for Use

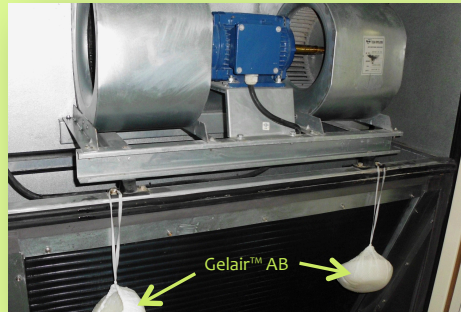
Remove Gelair™ AB from the outer foil layer only (leave in gauze cloth). Place Gelair™ AB **BETWEEN THE FILTER AND COOLING COIL** inside the AHU of the air conditioning system as shown in Figure 1. When the Gelair™ AB is first installed, you may notice a faint, pleasant Tea Tree odour for the the first few hours.

Replace the AB after 4 to 6 weeks. The remaining “cob” can be placed into the Condensate Tray to help keep the drain hole free of mold and algae and prevent water overflow.

Figure 1: Gelair™ Airconditioning Block Easy-Install Location Guide



**Example Placement  
of Gelair™ AB**



**Health and Safety  
Information**

Avoid prolonged contact of the gel matrix with skin. Do not ingest. If swallowed, DO NOT induce vomiting. Seek immediate advice from Poisons Information Centre or a doctor.

**Tips**

- ✧ For built-up grime in the AHU, use Gelair™ *Coil and Duct Cleaner*.
- ✧ For serious mold infestations, treat first with Gelair™ *Fogging Solution*.
- ✧ For Split or Reverse Cycle Air Conditioning Systems, use Gelair™ *Health-e SPLIT*.
- ✧ For small volume, small flow areas such as bathrooms, use Gelair™ *Tub*.
- ✧ For cars, use Gelair™ *Health-e CAR*.

**Further Information**

For further general information go to [www.gelair.com.au](http://www.gelair.com.au)  
For further technical information, email [info@gelair.com.au](mailto:info@gelair.com.au)