

## Photo-hydrogen ionization purification module



### Overview

The Airius PHI system can be installed in any indoor environment including: We supply and install organisations in the medical sector, the commercial sector, and the public sector. The Airius destratification unit recirculates the heated air which is always rising from the floor to the ceiling in customers' premises. Air is circulated back down to the floor in a column which results in an even temperature experience for staff and other people present from the floor to the ceiling. A common problem with many older air conditioning. Airius has supplied over 330,000 destratification units around the world and our technology has improved our clients' indoor environments and reduced their carbon emissions. Please get in touch with us by calling 01202 554 200 or simply send an email to [info@airius.co.uk](mailto:info@airius.co.uk) and we'll be in touch with further information about the Airius PHI. Airius is on.



## Article Content

A highly efficient triboelectric negative air ion generator

Negative air ions (NAIs) have been widely harnessed for air purification and environmental therapeutics. Herein, the authors construct a triboelectric NAI generator that produces

Aircraft interior purification system adapted for ground use

Aviation Clean Air (ACA) and International Aero Engineering have partnered to offer the ACA Ionization Purification System as a portable ion distribution unit for disinfecting aircraft interiors

PHIT - ECOHEAL

After years of hard work and research results, ECOHEAL has shown that we adopt photo-ionization (PHIT) technology, and its patented core components are produced by American special process

Advanced Photo Hydro-Ionized Oxidation (PHI Plus) Cell

Advanced Photo Hydro-Ionized Oxidation (PHI-Plus) Cell Air Purification System from the moving air in AHUs and inside the air-ducts. The PHI-Plus Cells are easy to mount in the air conditioning ducts

Electrodeionization

Electrodeionization installation scheme The typical EDI installation has the following components: electrodes, anion exchange membranes, cation exchange membranes, and resin. The simplest

Assessment of pilot-scale water purification module with ...

The water purification system's power module featured a modular design that allowed it to function with various salt concentrations for the treatment of river or subterranean water, efficiently ...

Kilowatt-scale solar hydrogen production system using a ...

Solar hydrogen production devices have demonstrated promising performance at the lab scale, but there are few large-scale on-sun demonstrations. Here the authors present a thermally

Photoionization Detectors (PID) | Honeywell

Photoionization Detectors (PID) Our Photoionization Detectors (PIDs) are designed for the detection of volatile organic compounds (VOCs) and other harmful gases.

What is Photohydroionisation?

Photohydroionisation (PHI) is an advanced oxidation technology developed to minimize and neutralize indoor air pollutants such as bacteria, viruses, mould, gases (VOCs) and odours. PHI utilizes a broad

#### Hydrogen Purification from Compact Palladium Membrane Module

This study investigates a compact palladium membrane module (CPMM) for hydrogen purification, assembled by diffusion bonding at a low-temperature (450 °C). This CPMM resulted in hydrogen

#### Photoionization

Both the techniques measure the current generated by the ionized species sensed by an ion collector. The photoionization technique ionizes molecules using a high-energy photon source, such as UV

#### Hydrogen Purifier Module | Hydrogen Generation

Hydrogen purity meets ISO 14687 (2019) purity standard for fuel cell applications (stationary and mobility). The Element 1 ® purification module has been tested,

#### What is Photohydroionisation?

These friendly oxidizers will revert back to oxygen and hydrogen once they've come in contact with and eliminated the pollutant. Find out more about Photohydroionisation here.

#### PHI Air Purification — Harbin Heating & Air

The Photohydroionization (PHI) Package Unit by RCP® is designed to eliminate sick building syndrome risks by reducing odors, air pollutants, VOCs (chemical odors),

#### Hybrid photothermal-photocatalyst sheets for solar-driven ...

A water splitting system capable of operating stably using contaminated water sources for decentralized H<sub>2</sub> production would be a more practical approach towards solar H<sub>2</sub> production. A

#### Simplified, plate-type Pd membrane module for hydrogen purification ...

In our previous report , a plate-and-flame type hydrogen purification membrane module was designed and constructed to provide easy assembly using a knife-edge sealing method.

#### Simple scalable approach to advanced membrane module design and ...

Ryi et al. designed and built a plate-and-flame type hydrogen purification module from stainless-steel tubes and plates to provide easy assembly using knife-edge sealing instead of

#### IONPURE® CONTINUOUS ELECTRODEIONIZATION (CEDI) MODULES

IONPURE CEDI modules and power products are distributed through a large base of highly trained and knowledgeable Original Equipment Manufacturers (OEMs), who know the ins and outs of our

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