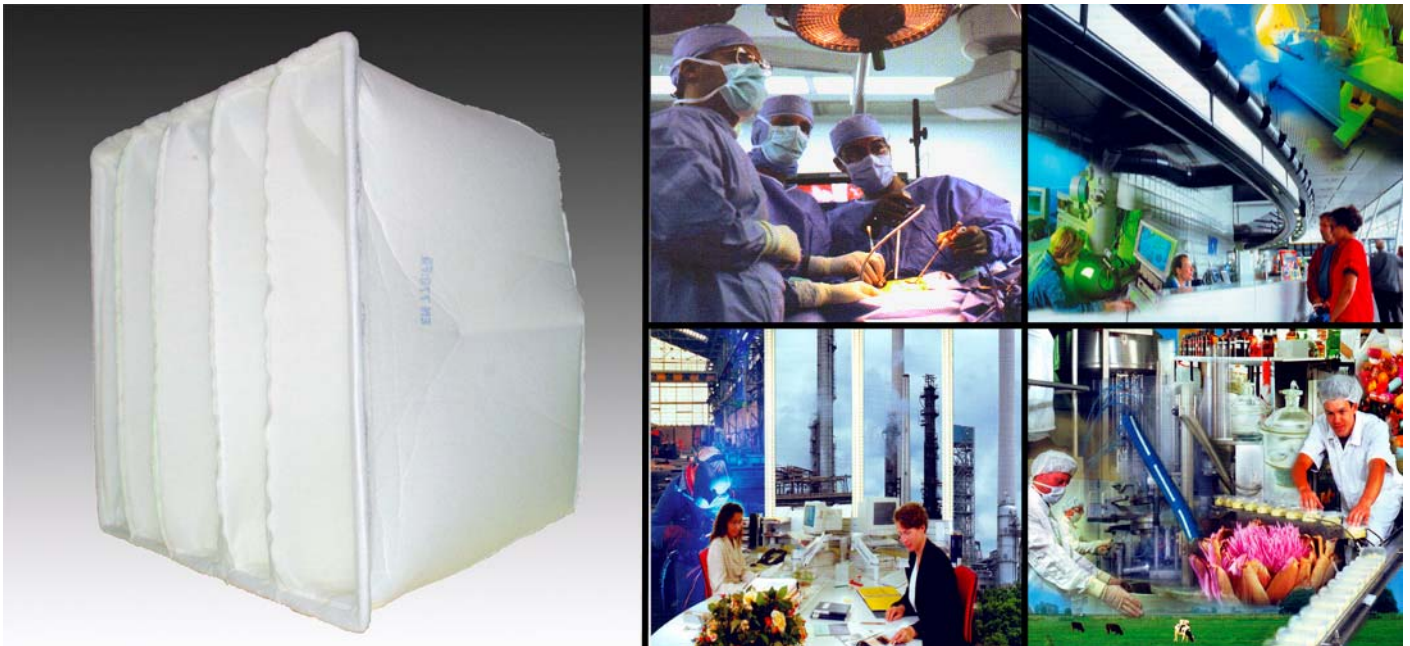


The First Australian Made Welded Pocket Filter



EcoWeld™ Air filters

- Ecologically responsible**
- Economically superior**
- Superior Welded seam construction**
- Improved Indoor Air Quality**
- Long Service Life**
- Reduced Maintenance Costs**

The ultimate rigid pocket filter made in Australia for any HVAC application including commercial buildings, hospitals and healthcare facilities, pharmaceutical, universities and schools, manufacturing facilities etc.

Your Authorised Distributor:

Why a Pocket Filter?

Extended surface pocket filters, also called bag filters, are one of the most popular air filters in use today. Pocket filters offer large media area for superior dust holding capacity and lower pressure drop.

Pocket filters are effectively used in applications where in-line space is not an issue and high dust holding over extended periods is required. The benefit being improved Indoor Air Quality (IAQ) at your facility.

Pocket filters typically provide a long service life in HVAC applications. They are often the most economical way of filtering your building.

Why the EcoWeld?

Welded Seams (No Stitching)

- Eliminates air bypass created by traditional stitch holes
- Improves efficiency through increased surface area

High Quality Filter Media

- Tested to EN779 and ASHRAE 52.1 (exceeds requirements of AS1324)
- Consistent media quality ensured by independent quality control testing according to EN779
- Conforms to US and EU fire classification standards (e.g. DIN 53438-F1 and UL900) and are self-extinguishing.

Low Initial Resistance

- Reduced energy consumption
- Reduced Greenhouse gases
- Reduced Total Filter Costs

Improved IAQ

- Reduced maintenance costs
- Reduced occupant illness
- Increased employee productivity

Increased Media Surface Area

- Extensive surface area increases filtering capacity
- Greater dust holding capacity
- Longer service life

Perfect for any HVAC Application

Commercial

- Large skyscrapers
- Shopping centres
- Hotels and resorts
- Office Buildings

Educational

- Universities and colleges
- Schools

Healthcare

- Hospitals
- Nursing Homes

And many more

- Manufacturing
- Government agencies
- Pharmaceuticals
- Turbines and offshore oil rigs



IAQ is important

We are all aware of the benefits of reducing energy consumption. Building operators are re-circulating more air to reduce the energy required to heat or cool the air. This process could result in an increased level of airborne contaminants in your facility.

Sources of such contaminants can range from commonly found cleaning agents, building materials, office equipment and construction debris. Not to mention the outside air being a major source of pollution from such things as traffic, industrial processes as well as smoke and smog create by bushfire etc.

A properly specified, installed and maintained air filtration system will alleviate many IAQ issues.

EcoWeld is the Right Choice

The EcoWeld extended surface, high performance, rigid welded pocket filter is designed to be used as a primary or secondary filter in most HVAC systems. EcoWeld's superior filtration and dust holding capabilities create increased protection for building occupants, computers and other sophisticated equipment. This superior performance is achieved by the use of Filtrair high quality filter media along with our unique seam welding system which eliminates stitch holes that are found in traditional sewn pocket filters.

No stitch holes results in no air bypass through needle holes in the media!! The EcoWeld, when used in conjunction with Peregrine's unique TFC program, can reduce your energy usage and Greenhouse gas emissions by more than 30% compared to other pocket filter designs

Your Authorised Distributor:

Construction



- 1. Welded Seams**
Provides a superior seam compared to traditional stitched seamed pocket filters.
- 2. Aerodynamic Design**
Each filter pocket is dynamically balanced by design for minimal resistance to airflow and high dust holding capacity.
- 3. Longitudinal Separator Strips**
Each pocket is separated from the surrounding pockets using specially designed separators to prevent the pockets from rubbing together and becoming damaged. These separators also prevent "blinding" of the filter media thus increasing the effective filtering area leading to high dust holding capacity and lower resistance to airflow.
- 4. Integrated Header Frame**
Pockets are attached to an integrated header frame creating a rigid uniform pocket opening. Allows for easy installation and a perfect seal every time.
- 5. Superior Media**
Filtrair's high performance filter media is used to construct the EcoWeld. Superior performance, reduced resistance to airflow. Better value for money. Reduced greenhouse gas emissions.

Performance Data

EcoWeld Filter Model	EW5P510-30	EW5P510-40	EW5P510-50	EW5P510-60
Average arrestance (acc. EN779)	81%	93%	98%	99%
Average efficiency (dust spot)	35%	42%	52%	61%
Air velocity (m/s)	2.6	2.6	2.6	2.6
Rated air flow (m ³ /h)	3,400	3,400	3,400	3,400
Initial pressure drop (Pa)	20	34	38	60
Final pressure drop (Pa)	250	250	450	450
Dust holding capacity (grams)	2,100	1,924	1,210	924
Filter classification (acc. EN779-1994)	G3	G4	F5	F6

Extensive Product Line

Range of filter classifications

- G3
- G4
- F5
- F6

Many Standard Configurations

- Numerous pocket configurations
- Both full (610x610) and half (610x305) sized
- Four standard depths ranging from 340 to 680

The EcoWeld Advantage

Improved Filtration

- No air bypass
- No fibre shedding
- Better Indoor Air Quality

Reduced Maintenance Costs

- Improved dust holding
- Longer service life
- Reduced energy costs
- Reduced Greenhouse gas emissions
- Lower TFC

BETTER VALUE – BETTER FOR THE ENVIRONMENT

Your Authorised Distributor:

Peregrine Industries' National Distribution



"We will provide quality products that meet or exceed our customers' expectations while we pursue continuous improvements."

Broad Product Offering

- Molecular Air Filters
- HVAC air filters
- Paint Spray Booth Filters
- Specialist Air Filters for Manufacturing Facilities
- Industrial dust filters
- Cleanroom, Bio-Safety and Cleanbench filters
- Safety and Engineered Products
- Filter Media
- Gas Turbine and Power System Air Filters

Customer Focused

- In-house technical experts (Scientist, engineers, and business experts on staff)
- Rapid prototyping
- Flexible production
- In-house and independent testing
- E-commerce
- Preferred supplier to government institutions and large national and international businesses
- Extensive distribution network throughout Australia
- Dedicated customer support team.

Your Authorised Distributor:



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