

TM

EURO-AIRE

# Euro-Carb Deep-Pleat

## Box-Type Chemical Filter

### General

Euro-Aire's Euro-Carb deep-pleat box-type chemical filters are engineered for challenging environmental applications, where ultra high removal efficiency of low level concentrations of Airborne Molecular Contamination (AMC) with less than 500 parts per billion (ppb) in the airstream is demanded. Its construction ensures users' safety, ease in handling, quick replacements and cost-effectiveness; while achieving high performance with environmental friendliness in mind. A high surface area-to-depth ratio provides the maximum amount of effective filter media in areas of minimum in-line duct space. Its special carbon bonding process that has less than 1.2% of the surface is blinded, helps to maximise carbon adsorption capacity..



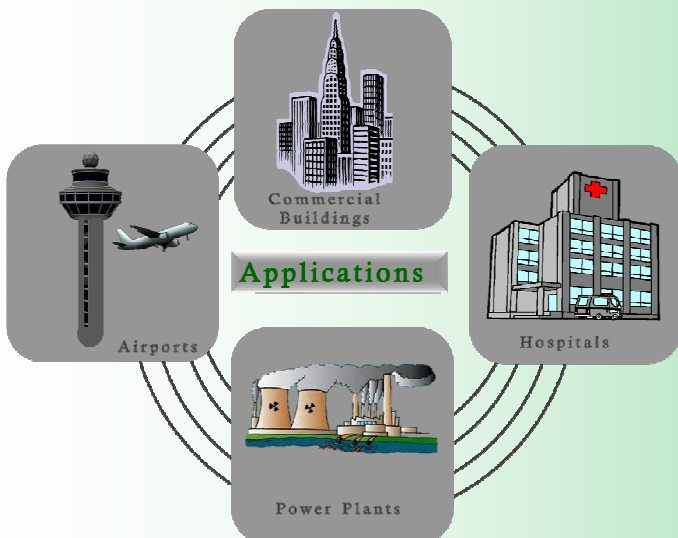
### Standard Specifications

- Each Euro-Carb deep-pleat box type chemical filter is loaded with more than 600 grams/sq.metre of high quality, CTC>90%, 20x50 mesh-size carbon particles.
- The granules are bonded to the synthetic fibre substrate via an unique thermal process that requires no adhesive, and blinds less than 1.2% of each

carbon particle's effective surface area. This bonding method also prevents carbon dusting and particle shedding.

- Frame is made of high strength, corrosion-resistant, galvanised steel. Media packs are sealed to the frame on all sides. Filter integrity is maintained by pleat stabilizers.

- Low pressure drop due to uniform dispersion of carbon throughout media and extraordinary large media area.



## Model

**Frame/  
Header**

**Gasket**

**Range**

**Series**

**Size**

**Media**

**EARB**

**DP**

**4412**

**X**

**GS**

**GA**

**EARB**=Rigid  
Box

**DP**=Deep  
Pleat

**4412**=24x24x12"  
**2412**=12x24x12"  
**4406**=24x24x6"  
**2406**=12x24x6"

**G**=General  
Purpose  
**A**=Acidic  
**B**=Basic

**A**=Aluminium  
**G**=Galvanised  
**SS**=S. Steel  
**O**=Others  
**D**=Double  
**N**=None  
**S**=Single

**GA**= None  
**GB**= AES  
**GC**= ALS  
**GD**= Both

### Notes:

- Size refers to orientation of Width x Height x Depth.
- Size is based on Nominal Size. For exact size, refer to Technical Data Sheet.
- Gasket Location: **AES** refers to Air Entry Side. **ALS** refers to Air Leaving Side.

## Performance Data

Construction Code	Size(Inches) W x H x D	Actual Size (mm)	Rated Air Flow (CMH) @2.54m/s	Initial Resistance (Pa)	Carbon Weight (Kg)
EACB-DP-2412-G-GS-GN	12"x24"x11.5"	289x594x292mm	1700	125	2.1
EACB-DP-0412-G-GS-GN	20"x24"x11.5"	492x594x292mm	2550	125	3.2
EACB-DP-4412-G-GS-GN	24"x24"x11.5"	594x594x292mm	3400	125	4.0

Note: Kindly contact us for assistance in selecting the optimum media for your application. The maximum working temperature is 45°C, Relative Humidity (RH) must be < 35%.

### Unique Features -

- Lowest Bypass
- Highest Capacity Designed
- High Removal Efficiency
- High Loading Capacity
- Long Service Life
- Quick Replacement Technique
- Environmentally-friendly De-  
signed
- Cost Effective
- Air-tight Design

