DO YOU NEED MORE THAN 8 REASONS TO BUY A PHAT FILTER?

Phat Filter BY FRESHAIR

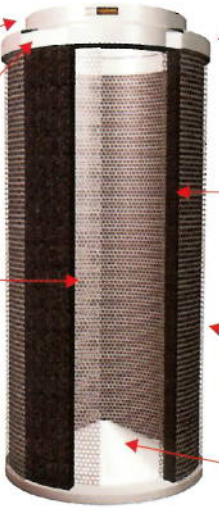
Contains genuine RC-48 Australian carbon

ACTIVATED CARBON FILTERS

CAPS Carbon Air Purification Systems

NOTHING BEATS A Phatty

- Largest selection of sizes available
- Unique "Anti Air Bypass" System
- 51% open area custom mesh
- Sealed, boxed and labelled directly after manufacture for optimum lifespan, handling and presentation.



- 1.6mm aluminium tops and bases for reduced weight
- 50mm bed RC-48 activated carbon 1030m²/g
- Machine packed carbon means more carbon & less movement
- Coned internal base for optimum air flow

FAN FILTER SELECTION CHART

AREA / WATTS	1500W	2500W	3500W	4500W	5500W	6500W	7500W	9000W
150x300	68W							
150x400	68W							
150x600	68W							
200x400	80W							
200x600		80W						
250x600			80W	135W				
150x1000		68W						
300x500			80W	135W				
200x1000			80W	135W				
250x1000				135W	200W			
350x600				135W	200W			
300x1000					200W	200W		
350x1000						200W	250W	
350x1200						200W	200W	250W

CONGRATULATIONS! on choosing a "Phat Filter", arguably the worlds most effective air purification system.

Please read the following text carefully before installing this unit.

PACKAGING AND STORAGE Your "Phat Filter" should not be removed from the protective plastic wrapping until directly before use. Likewise, when not in use, the filter unit should be kept wrapped in plastic in a cool, dark environment that is free from moisture.

DEMAND 'RC-48' ACTIVATED CARBON To ensure total air/odour filtration there are several important factors to consider. The first, and most important factor is carbon grade choice. Grade 'RC-48' carbon is derived from a unique, ancient 'black coal deposit' found only in Western Australia. This particular deposit is dated at over 250 million years old. After being extracted, the 'RC-48' carbon is kiln-activated at 1200°C under a saturated steam atmosphere. It is this process, together with the coal's unique density that causes the pores in the coal to form. This activation process makes 'RC-48'carbon incredibly effective for the filtration of organic particles and other airborne materials. Other factors include granule size, carbon surface area and the carbon bed depth, respectively.

FILTER SIZE SELECTION Don't be fooled, even the smallest "Phat Filter" will trap all volatile organic compounds and odours that pass through it. Small sizes will however, restrict the overall airflow and the ability of your extraction fan to remove inclement or warm air from the desired area. Please refer to the filter selection chart for recommended filter and air/fan combinations.

FAN SELECTION Once again, the filter selection chart should be referred to, to determine recommended fan sizes for each different filter size. Match the intended area/watts column to the filter size of choice. This will determine the correct fan wattage required for your application. Centrifugal style fans are recommended by the manufacturer to achieve maximum airflow ratings, Selected quality " In-Line fans" can also be used, however the reduction in air-flow will be more apparent.

EXTENDED FILTER LIFE To get the optimum product-life and performance from your "Phat Filter", it should be used in conjunction with the provided 'pre-filter sock'. The pre-filter sock catches large dust particles and foreign materials which, if allowed to come into direct contact with the carbon material; will ultimately clog the outer surface of the carbon before total 'internal' saturation has been achieved, thus shortening the product life. It is recommended that the 'pre-filter sock' be either machine washed or replaced at half-yearly intervals. Extremely dusty environments may require a more regular cleaning program. Maximum air temperatures should preferably be kept below 35°C, and relative humidity should be kept below 75% at all times. Remember that carbon will absorb moisture, which in turn will take up 'space' where the likes of organic molecules and odours should have been absorbed. All pre-filter socks are made to fit the outside face of the filter (fan drawing through the filter). Alternatively it may be folded, fitted and secured at the top with adhesive tape to the inside of the filter (fan blowing into filter). This will depend on your choice of airflow direction. Both methods are equally effective and the use of one over the other is purely an individual choice, based on your installation requirements.

EXPECTED LIFE SPAN There is no given limit to the life expectancy of 'RC-48' carbon, as such. Total life span can only be governed by the amount of impurities absorbed by the carbon over time. The rate of air movement through the carbon bed, total air impurities and climatic conditions are the factors that determine the speed at which the porous carbon-granules reach maximum capacity. "Phat Filter" use only RC-48 activated carbon. As a global industry standard, all activated carbon batches are tested for 'ID factor' and are then given an 'iodine number' by American ATSM standards. ID factor can simply be explained as the measurement of the amount of iodine in milligrams that can be absorbed by a single gram of activated carbon. The higher the ID Factor, the higher the absorption rate of activated carbon. The average 'coal based' carbon is around 500mg/g ID. 'RC-48' grade carbon has a guaranteed analysis of 1050mg/g ID or above. Our most recent tests on samples of 'RC-48' carbon have shown that the ID Factor after three years of activation remained as high as an astonishing 950mg/g ID. Therefore, as a guide, rather than a fixed 'rule', we presently consider a minimum of three years to be the average expected life span of "Phat Filter", taking into consideration the variables of climate, airflow and dust levels.

DUST Some carbon dust will settle in the bottom of the filter unit during cartage. Simply vacuum or remove before use.

ACTIVATED CARBON RC-48/TYPICAL PROPERTIES

TEST METHOD - ASTM	D4607-94
IODINE NUMBER	1050 mg/g
SURFACE AREA	1030 m²/g
FIXED CARBON	94.5-95%
VOLATILE CONTENT	0-0.5%
TOTAL ASH CONTENT	3%
INHERENT MOISTURE	<2.0%

supplynet. INTERNATIONAL INFO-LINE
email: adam@supply.net.au
Or ask your local distributor

Your local distributor

Supply Net International
P.O. Box 171 Highbury.
South Australia. 5089
Ph: (08) 8283 3800
Fax: (08) 8283 3900
www.capsfilters.com