

Activated Carbon Adsorbent Media



Basic Information:

- Activated carbons are one of the most cost-effective methods of gas removal.
- Many types of activated carbons are available.
- Activated carbon is used for purifying air and water because it acts as an adsorbent, and can effectively remove particles and organics from water and odors from the air.
- One of the best materials for reducing risks to human health, it is also aesthetically pleasing.
- Each activated carbon has its own specific benefit.
- Unless specified otherwise, PureAir provides AC-X type carbon as a standard.

CAUTION: WET ACTIVATED CARBON DEPLETES OXYGEN FROM AIR - Whenever workers enter a vessel containing carbon, all precautions must be taken since dangerously low levels of oxygen may be encountered. Atmosphere sampling and work procedures for potentially low oxygen areas should be followed.

Product Specifications:

- Density: 480 kg/m³
- Surface Area: 1100 m²/g
- Typical Moisture Content %: 5%
- Crush Test: 95 lbs
- Abrasion Loss %: 3% maximum
- Relative Pressure Drop: See Curve C/D*
- Ignition Temperature: 425 °C minimum
- CTC Value: 70%
- Iodine #: 1100 mg/g
- Ash Content: 5% maximum
- Butane Activity: 27% minimum

*See Curves Details at pureairfiltration.com/curves/

AC-X



AC-C



General Description and Capacities:

AC-X- Extruded Activated Carbon:

Because of its shape, performance and low cost, extruded carbon has become the standard over the past decade. PureAir carbon is a low dust, high-activity level, economical choice.

Shape: 4 mm diameter cylinder

AC-C- Coconut Shell Carbon:

Produced from the shell of coconuts, this carbon is considered the finest in the world for air purification because the coconut shell forms pores that are just the right size to capture many gases and odors. Coconut shell carbon has a higher pressure drop (1.8" per foot at 70 fpm). Shape: 3 x 8 mesh

Removal Capability of Both Products:

- Nitric Dioxide Removal Capacity – 6.6% by weight
- Chlorine Removal Capacity – 10% by weight
- Dichloroethane Removal Capacity – 20% by weight



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