



COAL-BASED ACTIVATED CARBON



ADVANTAGES

- High adsorption capacity for organic compounds and impurities.
- Excellent removal of taste, odor, and color from water.
- Effective removal of chlorine, VOCs (volatile organic compounds), and other contaminants.
- High surface area and pore structure for efficient adsorption.
- Regenerable and cost-effective for long-term use.
- Low dust and particle generation during operation.

PHYSICAL PROPERTIES

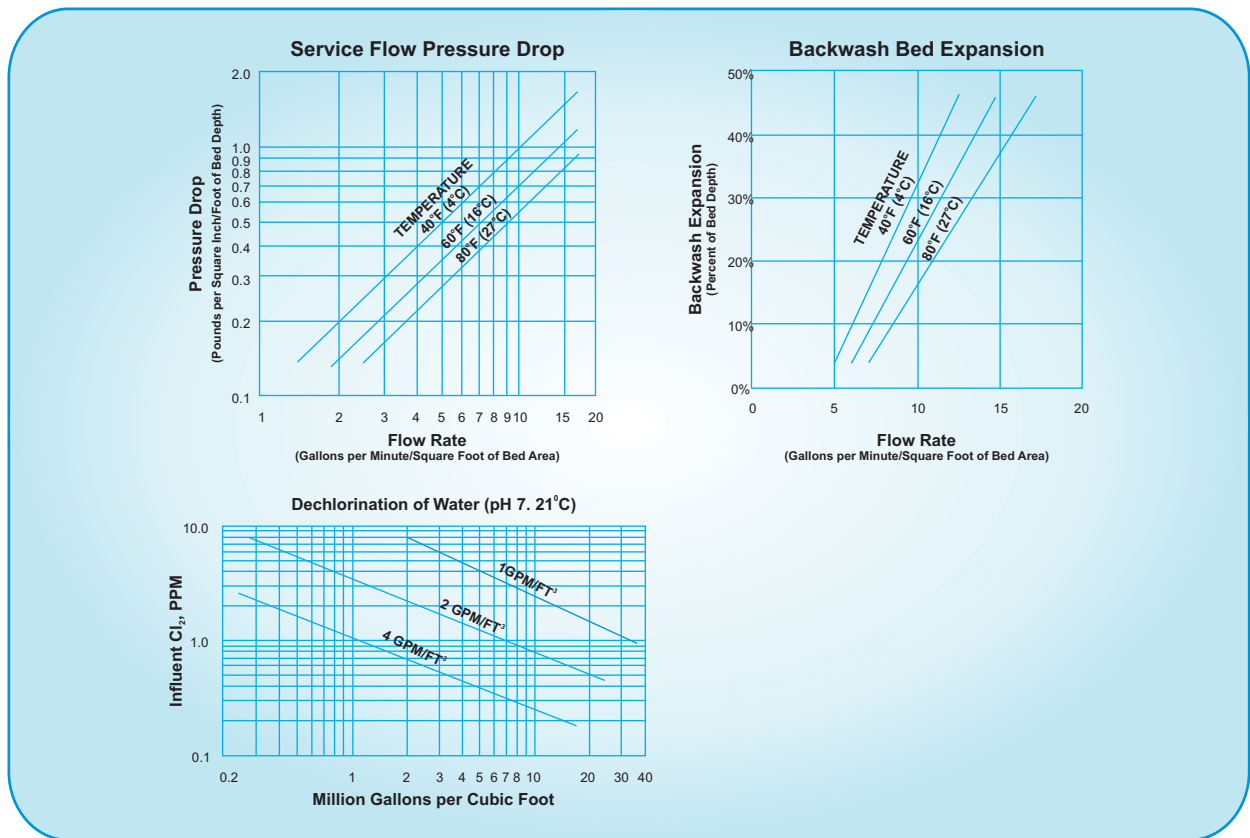
- Color: Black
- Particle Size: 12 x 40 mesh (0.5 - 1.7 mm)
- Surface Area: 900 - 1100 m²/g
- Bulk Density: 450 - 550 Kg/m³
- Iodine Number: 850 - 1100 mg/g
- Moisture Content: < 5 %
- Hardness: > 95 %
- Ash Content: < 10 %
- pH (10% Aqueous Solution): 7 - 11

CONDITIONS FOR OPERATIONS

- Temperature: 10°C to 35°C
- Relative Humidity: < 90%
- Bed Depth: 24 - 36 inches
- Contact Time: 5 - 15 minutes
- Backwash Flow Rate: 20 - 30 (m/h)
- Chlorine removal Service flow rate: 3-5 (m/h)
- Organic Removal Flow Rate: 10 - 20 (m/h)
- Backwash Frequency: As needed based on pressure drop or breakthrough
- The water to be filtered should be relatively free of iron and turbidity for maximum service life
- Water to be filtered should preferably be free of oil and suspended matter
- Upon installation, backwash to remove carbon fines before placing unit into service

STORAGE AND MATERIAL HANDLING INSTRUCTIONS

- Store in a cool, dry place away from direct sunlight and moisture.
- Handle with care to avoid dust generation.
- Use appropriate personal protective equipment (PPE) during handling.
- Avoid contact with acids, alkalis, and strong oxidizing agents.
- Dispose of in accordance with local regulations.



ORDERING INFORMATION

Description	Cu.Ft / Bag	Wt. / Cu.Ft	Bags / Pallet	Weight / Pallet	Pallet Dimensions
Activated Carbon 12 x 40 Mesh	1	25 Kgs	20	515 Kgs	45" x 45" x 34"

- *Weight Per Cubic Foot is Approximate.
- * Custom Sizes Available Upon Request.

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Please note that specifications may change without prior notice.