

AC - KT

Acid Washed Activated Carbon **KT**[®]

Coal based acid washed granular activated carbon is designed for reduction of tastes, odors and dissolved organic chemicals from municipal and industrial water supplies. Coal based activated carbon is available in four different types of base material - bituminous, sub bituminous, anthracite, & lignite, consisting of micro, meso and macro pore structures. This unique pore distribution makes coal based activated carbon ideal to remove small to large molecular structures. Typical applications include but not limited to



odor control in liquid & vapor phase applications, improve taste in liquids, liquid decolorization and purification of wastewater & potable water.

PHYSICAL PROPERTIES:

○	Color	Black
○	Bulk Density	30 lbs./cu. ft.
○	Effective Size	0.45-0.55 mm
○	Ash Content	Max 2.5%
○	Iodine Number	900 mg/g
○	Moisture as packed	Max 5%
○	pH	10
○	Mesh Size	16 x 32, 8 x 16, 4 x 8

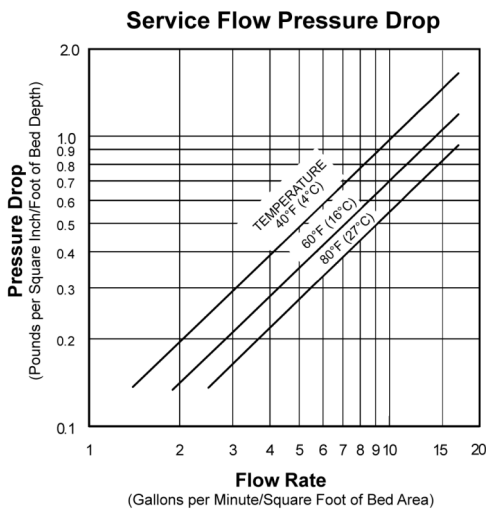
CONDITIONS FOR OPERATION:

▶	Bed depth	30-35 inch.
▶	Freeboard	50% of bed depth (min.)
▶	Empty bed	contact time 4 minutes minimum
▶	Dissolved Oxygen	Concentration 4 ppm (mg/L)
▶	Service flow rate	5 gpm/sq. ft.
▶	Backwash flow rate	9-12gpm/sq. ft.
▶	Backwash bed expansion	30-40% of bed depth

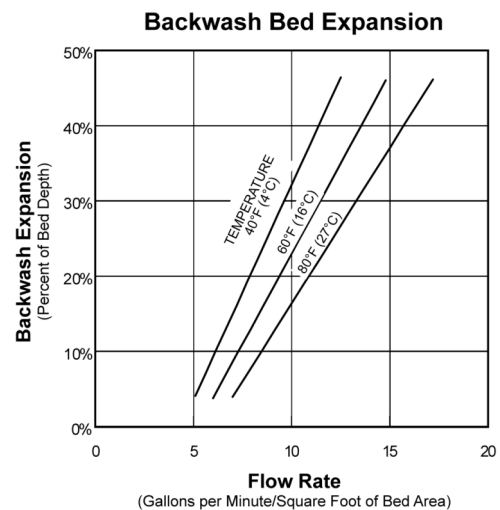
APPLICATIONS

- PORTABLE WATER PURIFICATION
- WASTEWATER TREATMENT
- INDUSTRIAL AIR PURIFICATION
- PURIFICATION OF FOOD AND BEVERAGE
- MEDICAL AND PHARMACEUTICAL USES
- AUTOMOTIVE USES
- CHEMICAL PURIFICATION

AC-KT Pressure Drop Graph



AC-KT Backwash Expansion Graph



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