

CC-KT

Coconut Shell Activated Carbon ^{KT}

Coconut shell activated carbon is designed for reduction of tastes, odors and dissolved organic chemicals from municipal and industrial water supplies. Coconut shell activated carbon has a very high hardness and is more abrasion resistant than any other type. It is a totally natural, environmentally friendly product, that has a very small carbon foot print, since it is derived from coconut shells. As most of its pore structure consists of micropores (more than 80%), coconut shell carbon can efficiently absorb



impurities with micropore molecular structure, such as those present in drinking water. In addition, because of its high abrasion resistance and exceptional chemical and physical characteristics, only coconut shell activated carbon can support applications such as recovery of gold and other precious metals.

PHYSICAL PROPERTIES:

○	Color	Black
○	Bulk Density	30 lbs./cu. ft.
○	Effective Size	0.55-0.75 mm
○	Ash Content	1.5%
○	Iodine Number	1,000 mg/g
○	Moisture as packed	2%
○	pH	10
○	Mesh Size	16 x 32, 8 x 16, 4 x 8

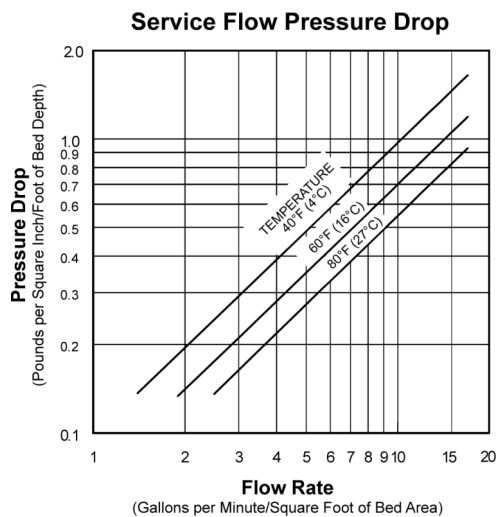
CONDITIONS FOR OPERATION:

▶	Bed depth	26-30 inch.
▶	Freeboard	50% of bed depth (min.)
▶	Service flow rate	5 gpm/sq. ft.
▶	Backwash flow rate	0-12 gpm/sq. ft.
▶	Backwash bed expansion	30-40% of bed depth

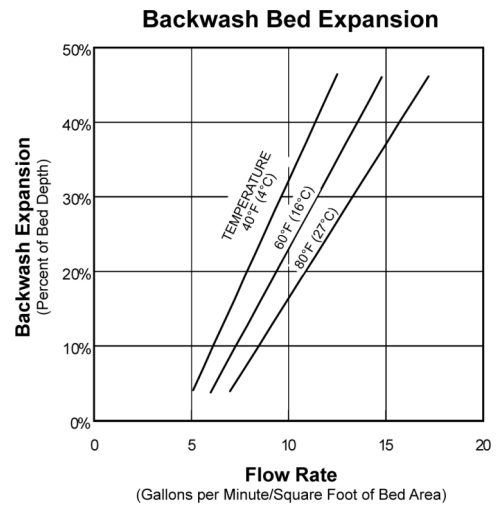
APPLICATIONS

- PORTABLE WATER PURIFICATION
- WASTEWATER PURIFICATION
- GOLD ABSORPTION FROM GOLD SOLUTION (PRECIOUS METAL RECOVERY)
- ORGANIC IMPURITY REMOVAL IN FOOD AND BEVERAGE APPLICATIONS
- MEDICAL USE
- CATALYST SUPPORT

CC-KT Pressure Drop Graph



CC-KT Backwash Expansion Graph



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