

Granular Coconut Shell Based

Activated Carbon



Product Features

ROTEK granular activated carbon is designed for reduction of tastes, odors and dissolved organic chemicals from municipal and industrial water supplies. Manufacture from selected grades of coconut shell coal to produce a high density, durable granular product capable of withstanding the abrasion and dynamics associated with repeated hydraulic transport, backwashing and mechanical handling.

One of the most common applications for **ROTEK** Coconut Shell-High Activated Carbon (RC-SAC) is the reduction of the undesirable tastes and odors present in many chlorinated water supplies. RC-SAC has been successful for many years in the reduction of free chlorine from water supplies. The end product is clean, fresh water with no objectionable taste or odor characteristics.

ROTEK has for many years provided activated carbon to the OEM and replacement market as a pre-treatment for other water purification systems as well as for use in individual treatment equipment for the removal of specific impurities.

RC-SAC may be used in either domestic or industrial applications using gravity flow or pressurized filter vessels.

Advantages

- ★ RC-SAC is an outstanding material for applications requiring taste, odor and dissolved organic chemical removal from water with suspended matter present. This product can be used for filtering waters having a wide range of pH levels.
- ★ Large surface area results in an exceptionally high capacity and efficiency.
- ★ Balanced pore structure gives a more efficient adsorption range.
- ★ RC-SAC is very durable so losses due to attrition are kept to a minimum.
- ★ RC-SAC has a very high carbon-low ash content.
- ★ Service rates of 5 gpm/sq. ft. are practical for ordinary taste, odor and chlorine loads.
- ★ RC-SAC will impart a high "polish" to the filtered water.

Physical Properties

DMI 65 De Iron De Maganese Filter Media	
Color	Black
Mesh Size	12x40
Bulk Density	28lbs./cu.ft.
Effective Size	0.5-0.75mm
Ash Content	2.5%
Iodine Number	20-42
Moisture as packed	3%
PH	30

Conditions for Operation

DMI 65 De Iron De Maganese Filter Media	
Water PH Range	5.8-8.6
Maximum Water Temp	45degrees C
Bed Depth	600mm(minimum)
Freeboard	40% of bed depth(m inimum)
Regeneration	No regeneration required
Service Flow Rate	1-30QUOTE m3m2/QUOTE m3m2 per hr
Backwash Flow Rate	Between 25-80 QUOTE m3m2/QUOTE m3m2 per hr