FILTER INNOVATIONS INC.

ACTIVATED CARBON









COMPLETE RANGE OF LIQUID PHASE AND AIR PHASE CARBON

BULK CARBON SALES



WATER PHASE

AIR PHASE

INTERCONNECTING EXTERNAL PIPING, VALVES & GAUGES

DISPOSABLE TREATMENT BARRELS







TURNKEY WATER TREATMENT SYSTEM

CONTACTOR VESSELS

FULL SERVICE CARBON COMPANY

FILTER INNOVATIONS REPRESENTS THE GENERAL CARBON CORPORATION

General Carbon Corporation has been in the activated carbon business for over 40 years.

Our carbon is derived from a variety of sources, including coconut shells, coal and wood, and is available in several different varieties: pelletized, granular, powder and re-activated. We stock all of the varieties, and they are available for immediate shipping worldwide.

In addition to our carbon inventory, we also carry a complete line of carbon adsorption equipment. Vessels, canisters and panels of all sizes are available for the purification of vapour and liquid streams.

FILTER INNOVATIONS/GC can also design and build custom engineered systems for unique applications. We also have the capability to service all existing carbon systems on site. This includes the removal and regeneration of the spent carbon, and replacement with new carbon.

FILTER INNOVATIONS/GC also specializes in impregnated carbons, and specialty packaging. We have the capability within our facility to impregnate carbon for specific applications. In addition, we possess the equipment to package activated carbon to fit any application that the customer requests.

APPLICATIONS INFORMATION

Activated carbon removes organic chemicals from waste or process streams in the liquid or vapour phase. Generally, high molecular weight contaminants are more effectively removed by activated carbon than are low molecular weight contaminants.
FILTER INNOVATIONS/GC can predict the effectiveness and capacity of activated carbon in your application given organic contaminant identities and concentrations.
Useful for project planning, costing and treatment system sizing, activated carbon usage estimates are arrived at through adsorption isotherm based computer modeling.

With the activated carbon usage estimate and other specific information FILTER INNOVATIONS/GC will recommend the proper activated carbon treatment system for your unique situation.

TURNKEY CARBON TREATMENT SYSTEMS

FILTER INNOVATIONS/GC carbon specialists can help you design, implement and set up a complete carbon treatment system including pumps, holding tanks, prefilters, post treatment, blowers, air strippers, control package, remote operation and carbon change outs as per your specific requirements.

TYPICAL APPLICATIONS

LIQUID PHASE ADSORPTION	WAPOUR PHASE ADSORPTION
WASTEWATER TREATMENT	HVAC AIR PURIFICATION
DRINKING WATER TREATMENT	VOC EMISSION CONTROL
GROUNDWATER REMEDIATION	SOIL VAPOUR TREATMENT
DECHLORINATION	TANK VENTING
LANDFILL LEACHATE TREATMENT	HYDROGEN SULFIDE REMOVAL
CHEMICAL DECOLORIZATION	LANDFILL BIO GAS TREATMENT
SOLVENT DECOLORIZATION	ODOUR CONTROL
SOLVENT PURIFICATION	AIR STRIPPER EXHAUST PURIFICATION
PHARMACEUTICAL PURIFICATION	MERCURY REMOVAL

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