Problem/Application	Carbon Type	Suggested	Sizing Notes	Comment
Chlorine	Any with high surface area	F-200 12x40	EBCT = 2 minutes	Very high levels will ultimately break the carbon down, turn it to mush and create high DP, gray color in water
Chloramine	Cataytic Carbon	Centaur or CX-MCA	EBCT = 4 minutes	Follow AAMI standards for Kidney Dialysis
Chloramine	Standard Carbon	F-200 12x40	EBCT = 10 minutes	Recommend using catalytic
Taste & Odor / City Water	Any coal or coconut base carbon		EBCT = 2 minutes	Change out cartridge or carbon bed when taste or odor is noticable. Cannot predict life of carbon for this application.
Organics- TOC	Coal Base; Lignite			Difficult to predict breakthrough. Suggest multiple tanks with sample port. Backwash with treated water if possible.
Color	Lignite; any carbon with high molassas number			Lignite has larger pore structure. Difficult to predict breakthrough. Suggest multiple tanks with sample port. Backwash with treated water if possible.
Ultra Pure - pre RO chlorir	Coconut base acid washed		EBCT = 2 minutes	Coconut is very hard, will not product fines.
pH Critical	Acid Washed or pH neutral types			Rinse prior to use
Hydrogen Sulfide	Cataytic Carbon	Centaur or CX-MCA	EBCT = 4 minutes	In difficult applications add chlorine or peroxide
Low Level Volitile Organic Compounds (VOC), Gasoline, Benzene, Toluene, TCE	Choose carbon with high iodine number, Trace Capacity Number TCN	F-200 or coconut		Difficult to predict breakthrough. Suggest multiple tanks with sample port. (Lead/Lag) Backwash with treated water if possible.
High Level Volitile Organic Compounds (VOC), Gasoline, Benzene, Toluene, TCE	Choose carbon with high iodine number, Trace Capacity Number TCN	F-400 or coconut		Increase Empty Bed Contact Time (EBCT). Difficult to predict breakthrough. Suggest multiple tanks with sample port. (Lead/Lag) Backwash with treated water if possible.
PFOA	Coal Based	F-600/F-400	EBCT = 10+ minutes	Use multiple tanks with sample port. (Lead/Lag). Backwash with treated water if possible.
1,4 Dioxane	Does not remove			