

LAKOTA SYSTEM SELECTION GUIDE

There are three basic systems: the standard under-counter (**UC**), the add-on option to the UC (**OP**), and the whole house filter (**WH**). Lakota Scientific can use any combination of ten different media and filter types. Use the chart below to make the best selection for your situation. Std=comes standard. Opt=select option.

Media or Filter Type	UC	OP	WH
Oxidation-Reduction media: Transfers electrons to free chlorine, chloramine, and some heavy metals in solution to either chemically reduce them (put into a lower oxidation state) or have them adhere to the surface of the media rendering them harmless. Bacteriostatic agent prevents growth of bacteria within unit.	Std		
Activated Bituminous Carbon: Used for the adsorption of high molecular weight toxic chemicals such as pharmaceuticals, agricultural herbicides and pesticides such as Atrazine, Glyphosate, Chlorpyrifos, etc.	Std		
Coconut shell derived activated carbon: Used for the adsorption of low molecular weight chemicals and toxics such as trihalomethanes from surface water, solvents from industries. Put into a one-micron extruded block for filtration of giardia, cryptosporidium and micro-plastics.	Std	Opt	Opt
Metsorb: Specialized media used for the removal of dissolved lead, mercury, chromium-6, arsenic, and fluoride.	Std	Opt	Opt
IX Resin-900: Special media for the removal of fluoride. Also removes heavy metals and arsenic.		Opt	Opt
IX Resin-100: Specialized ion exchange media for the removal of nitrate and nitrite.		Opt	Opt
Catalytic carbon: A special activated carbon used for the removal of hydrogen sulfide (rotten egg smell in some wells and mineral spring water) and chloramine.		Opt	Opt
Sediment filtration: Graded density polypropylene filters for the removal of particulates, microplastics, Giardia, Cryptosporidium and fine sediment. Available in 0.5, 1, 5 and 10 micron filtration.	Std	Opt	Opt
Ceramic cartridge: 0.2 micron ceramic filter for the removal of microbiological contaminants. 99.99% removal of E-coli, Cholera, Salmonella, Guinea worm, Shigella Dysentery, Giardia, Cryptosporidium.		Opt	
IX Resin #3695: Specialty resin for the removal of arsenic at low pH		Opt	



Whole House Unit

The WH, whole house, unit is installed at the point of entry into the home and is designed to remove chlorine and chemicals although it can be configured to address other contamination issues. See the selection guide for the available options and feel free to call for assistance in making your selection.

OP Unit The add on option simply plugs into the line feeding the UC and can be installed at any time should the need arise. See the selection guide for the available options or call and talk to a chemist for assistance. The OP is typically used when there is an extreme contamination issue, for example, excessive lead in the water such as in Flint, MI (although there are 5,000 water utilities in the U.S. that have a lead problem just as dire as Flint's). After Hurricane Harvey, for example, the city of Houston was besieged with a host of severe contamination issues that would have overwhelmed the average water filtration system. See the Q & A section for more details on the OP.



Prices			
UC \$280	UC+OP \$390 (save \$40)	UC+WH \$790 (save \$90)	UC+OP+WH \$890 (save \$140)
Call 800-945-5782 or 651-645-1004		www.lakotascientific.com	