



X-Factor Series LX

CATALYTIC - HIGH ACTIVATED CARBON FILTERS

WONDERFUL HIGH QUALITY WATER
AT EVERY TAP IN YOU HOME

Fresh, clean water for drinking, cooking, bathing, and cleaning for everyone in your household! The Lancaster X-Factor Series Diamond Line Catalytic – High Activated Carbon system can enhance your home's value and your overall quality of life. Protect your plumbing fixtures, appliances, and most importantly...your health.



FEATURES & BENEFITS

- **Peace of Mind...** We demand healthy options for our families. That begins with a Lancaster X-Factor Diamond Line Catalytic Carbon System in your own home. Enjoy the contentment knowing that you're removing potentially harmful and damaging elements from your household's water.
- **Healthier Total Atmosphere...** Breathing acid chlorine fumes is unpleasant and a particular concern with anyone suffering from respiratory ailments. The Lancaster X-Factor Series Diamond Line Catalytic – High Activated Carbon filters and polishes your water of odors and harmful vapors.
- **Virtually Maintenance Free...** Just have your installer change the filter media every 2-5 years depending on water conditions and usage.
- **Healthier Hair...** Hair is softer, has better texture and color-treated hair fades less quickly.



X-Factor Series LX

CATALYTIC - HIGH ACTIVATED CARBON FILTERS

HOW IT WORKS

The Lancaster X-Factor Series Diamond Line Catalytic – High Activated Carbon Filtration system uses a specially formulated catalytic high activated carbon derived from coconut shells. The media is activated when heated to more than 800 degrees Celcius while being exposed to an inert gas then suddenly exposed to an air stream. The process turns the coconut shell aggregate into high activated carbon. This activation process oxidizes all the particles on the surface of the carbon creating millions of macro-pores. The result leaves the carbon surface free to attract and adsorb organic substances.

Specially formulated high activated carbon can perform a variety of functions including the reduction of undesirable flavors and odors caused by chlorine and other organics. Specially formulated high activated carbon uses also include the reduction of volatile organic compounds (VOCs). Substances classified as VOCs include numerous compounds which occur naturally and artificially. Water sourced from underground wells may contain some of these compounds. VOCs can be used in pesticides, herbicides, and can seep into the aquifer after being applied to the ground. VOCs might also enter the groundwater through industrial contamination or through waste disposal. VOCs also include tri-halomethanes (THMs) which are a byproduct of chlorination.

ACTIVATED CARBON TECHNOLOGY REDUCES A BROAD RANGE OF CONTAMINANTS INCLUDING:

alachlor	trans-1,2-dichloroethylene	MTBE's
atrazine	1,2-dichloropropane	pentachlorophenol
benzene	cis-1,3dichloropropylene	simazine
carbofuran	dinoseb	styrene
carbon tetrachloride	endrin	1,1,2,2-tetrachloroethane
chlorine	ethylbenzene	tetrachloroethylene
chlorobenzene	ethylene dibromide (EDB)	toluene
chloropicrin	haloacetonitriles	2,4,5-TP (silvex)
2,4-D	haloketones	tribromoacetic acid
dibromochloropropane	heptachlor	1,2,4-trichlorobenzene
o-dichlorobenzene	heptachlor epoxide	1,1,1-trichloroethane
p-dichlorobenzene	hexachlorbutadiene	1,1,2-trichloroethane
1,2-dichloroethane	hexachlorocyclopentadiene	trichloroethylene
1,1-dicloroethylene	lindane	trihalomethanes
cis-1,2-dicloroethylene	methoxychlor	xylenes



LANCASTER DESIGNED STATE-OF-THE-ART CONTROL VALVE

LCD color screen monitors water consumption and notifies owner when maximum filter capacity is reached.

Model Number	Overall Dimensions (Dia. x Ht.)	Water Quality GPM*		Backwash GPM
1" Models		Superior	Good	
7-LXCAT-L-1B	10x51	3	8	6.5
7-LXCAT-L-2B	13x55	4	16	10
1.25" Estate Model		Superior	Good	
7-LX125CAT-L-3B	14x74	5	24	10

* Lower flow produces higher quality water and a larger volume of treated water between backwashing.

- All models are fully automatic and metered for maximum cleaning efficiency.
- Carbon media is factory loaded for convenient installation.
- Control valve is fully adjustable to manage the cleaning cycle for varying water conditions.