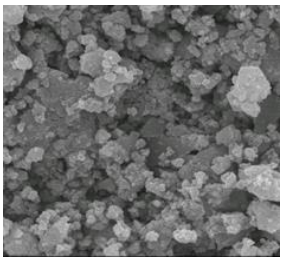
ARSENIC REMOVAL SYSTEMS

NXT® is a patented iron and Lanthanum based adsorption media uniquely formulated to remove Arsenic from drinking water.



PROPERTIES

Zero Point of Charge (ZETA point)**:** 12.0 pH

Surface Area: Greater than 200 m2/g

Weight: One cubic ft. = 48 lbs.

Particle Size: 10 x 65 mesh

Color: Reddish brown

Minimum EBCT (empty bed contact time)**:** 2.5-5.0 minutes

Surface Loading Rate: 7-9 gpm/ft²

Total Adsorptive Capacity:
Greater than 50 g/kg As Anions (+3 &+5)

Pressure Drop: Less than10 psi

NSF
Certified to NSF/ANSI/CAN 61

OTIMUM WORKING CONDITIONS

	Ideal Range:	Units:
pH	5.5 – 9.5	mg/L
Total Arsenic	0.010 – 0.100	mg/L
Iron	Less than 0.3	mg/L
Manganese	Less than 0.05	mg/L
Phosphate	Less than 0.55	mg/L
Silica	Less than 35	mg/L
Sulfate	Less than 100	mg/L
Sulfides	Less than detect	mg/L
Total Suspended Solids	Less than 5	mg/L
Vanadium	Less than 0.05	mg/L
Fluoride	Less than 1	mg/L
Turbidity	5 NTU	NTU
Hardness	Less than 300	mg/L

** USEPA TCLP tested as non-hazardous waste safe for landfill, but due to variances in influent water quality, users are urged to perform independent verification of the non-hazardous character of spent media cartridges. Additionally, some states may have disposal criteria different from Federal guidelines (TCLP).*

NOTE THE FOLLOWING:
Water with pH greater than 9 may still require pH adjustment for optimum performance.
Economical treatment can still be achieved if ideal range is exceeded parameters are exceeded, particularly for increased levels of Silica and phosphate compared to other adsorptive medias.

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