



ARSENIC REMOVAL SYSTEMS

Unmatched Performance & Lowest Treatment Cost

NXT® is a patented iron and Lanthanum-based adsorption media uniquely formulated to remove Arsenic from drinking water. A mixed metal, (La-FeO), with large, solid, high surface area granules, NXT has demonstrated twice the arsenic loading capacity, longer life and shorter reaction time (EBT) than other iron-based medias.

Ideal for medium to high flow rate applications to 2,000 gpm, NXT media is NSF 61 certified and delivers unmatched performance compared to other arsenic adsorption medias:

- Lowest cost per gallon treated.
- Simultaneous AsIII and AsV removal without pretreatment.
- Handles high levels of silica, phosphorous and vanadium that quickly plug other medias.
- Functions at pH 10 eliminating need/cost of pH adjustment.
- Strong arsenic bond that won't release in backwash or pH spikes.



NXT Lanthanum granules

Specifications

System Type:	Granular media in pressure vessels
Media Type:	Patented Lanthanum adsorption media
Surface Area:	Greater than 200 m ² /g
Bulk Density (weight):	48 lbs./Cubic ft.
Minimum Empty bed contact time (EBCT):	2.5 to 5 minutes
Surface Loading Rate:	7-9 gpm/ft ²
Particle Size:	10 x 65 mesh
Contaminant removal:	Arsenic III & V, plus phosphate, chromium, selenium, fluoride
Backwashing:	Monthly
pH range:	5.5 – 10.5
pH Zero point-of-charge (ZETA point):	12.0
Media Disposal:	Landfill*
Water Treatment Vessel:	steel pressure vessels in ten standard sizes
Vessel Construction:	100 psig, mild carbon steel, with NSF 61 lining
Pressure Drop:	Less than 10 psi
Cost per Gallon Treated:	Low

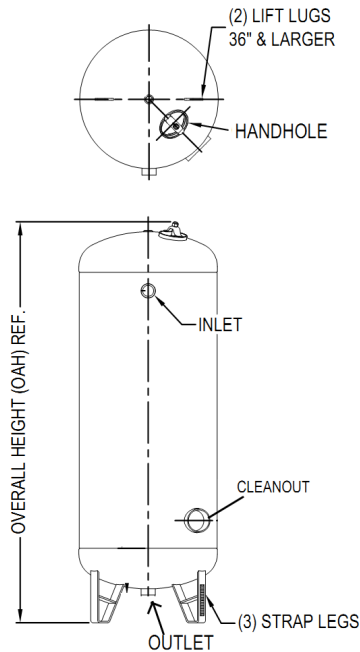
** USEPA TCLP tested as non-hazardous waste safe for landfill, but due to variances in influent water quality, users are urged to perform independent verification of the non-hazardous character of spent media cartridges. Additionally, some states may have disposal criteria different from Federal guidelines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



Steel Water Treatment Vessels

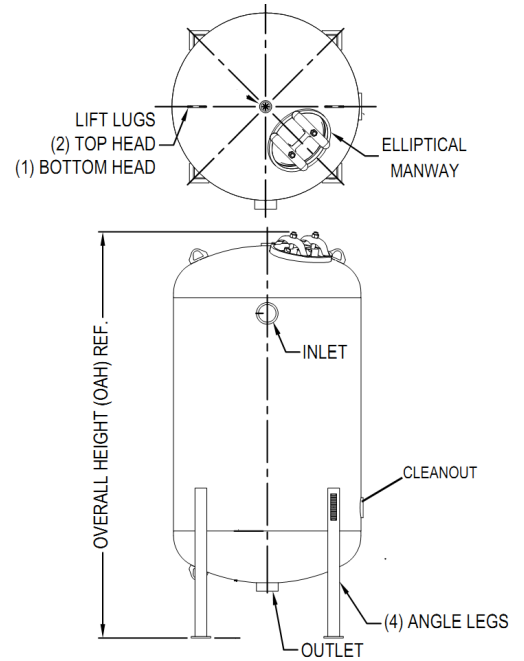
Ten Standard Sizes from 20"–72" for a Wide Range of Applications

- Versatile vessels designed for NXT Lanthanum adsorption media
- Carbon steel construction
- 100 PSIG working pressures (150 PSIG available)
- Seismically rated supports optional
- NSF/ANSI 61 certified epoxy lining for excellent corrosion protection & long life
- Finish coated in "Safety Blue" epoxy
- ASME Code available on request
- Custom sizes available if required



Regular Capacity Tanks

Internal steel distributors installed in all tanks.



High Capacity Tanks

Model #	DIA.	Height (overall)	Volume (gal)	Media (cu ft)	Inlet / Outlet
Regular Capacity Tanks:					
NXT-2060LC	20"	76"	85	6	2" NPS*
NXT-2460LC	24"	78"	124	9	2" NPS
NXT-3060LC-3	30"	85"	205	14	3" NPT*
NXT-3672LC	36"	101"	350	20	3" NPT
NXT-4272LC	42"	103"	484	28	3" NPT
High Capacity Tanks:					
NXT-4872LC	48"	111"	660	36	4" NPT
NXT-5472LC	54"	113"	848	46	4" NPT
NXT-6072LC	60"	115"	1060	58	4" NPT
NXT-6672LC	66"	115"	1276	70	4" NPT
NXT-7272LC	72"	119"	1568	84	4" NPT

*NPS = National Pipe Straight, NPT = National Pipe Threaded

