NIXTOX PDB
Premium Vapor Purification Units

Modular Activated Carbon Vapor Phase Adsorbers

NIXTOX PDB *(Plenum Deep Bed)* series of activated carbon adsorbers are designed for vapor phase environmental remediation and industrial processing applications involving the removal of contaminants from air and other vapors.

NIXTOX PDB vessels feature a specially constructed bed support, which creates a plenum chamber. This permits even flow distribution and efficient utilization of the activated carbon media.

These vapor phase vessels are fabricated of carbon steel and have a high solids epoxy lining. The units can also be built with different construction materials and linings. The adsorbers are fitted with lifting lugs and fork channels. Manways are 20” in diameter for easy access and removal and replacement of carbon or other media. Manways are 18” x 14” elliptical located on top of tank for easy access and vessels are supplied with 4” x 6” hand holes on bottom side. Legs and fork channels are provided on the CP5000 and smaller vessels, larger vessels have legs only.

NIXTOX PDB Features

- Desired contact time may allow higher or lower flow rates
- Adsorbent fill based on 27 lbs./ft.bed density
- Adsorbent fill differs based on variable bed density and alternate adsorbents

Modular Activated Carbon Vapor Phase Adsorbers								
Model #	Max Flow Actual Cubic Feet Per Minute (ACFM)	Max Press (PSIG)	Max Temp (°F)	Inlet/ Outlet (inches)	Diamater/ Height (inches)	Standard Adsorb Fill (lbs)	Maximum Adsorb Fill (lbs)	Shipping Wt Std Fill (lbs)
N-750 PDB	750	15	180	6/6	38/81	650	700	1,500
N-1200 PDB	1,200	15	180	8/8	46/94	1,000	1,400	2,200
N-1800 PDB	1,800	15	180	10/10	57/95	1,500	2,000	2,925
N-2500 PDB	2,500	15	180	12/12	68/96	2,000	2,700	4,000
N-4000 PDB	4,000	15	180	14/14	85/110	3,200	5,200	5,950
N-5000 PDB	5,000	15	180	20/20	96/120	4,400	7,400	8,400

About Newterra

Newterra offers a broad portfolio of reliable, trouble-free technologies and outsourcing support for global municipal and industrial customers across diverse applications, including drinking water, industrial process water, wastewater, stormwater and remediation.

Certified NSF/ANSI/CAN61 & 372 is a set of standards relating to water treatment, sets health effects criteria for many water system components. It establishes stringent requirements for the control of equipment that encounters either potable water or products that support the production of potable water.

Product Features

- Designed for environmental remediation & industrial processing applications
- Removes contaminants from air and other vapors
- Fabricated of carbon steel and have a high solids epoxy lining

What’s Your Unique Water Question?

For just about any water problem, Newterra has you covered. Our temporary ownership and rental solutions can save precious capital while solving a critical need. Newterra offers flexible terms and conditions to suit any customer.

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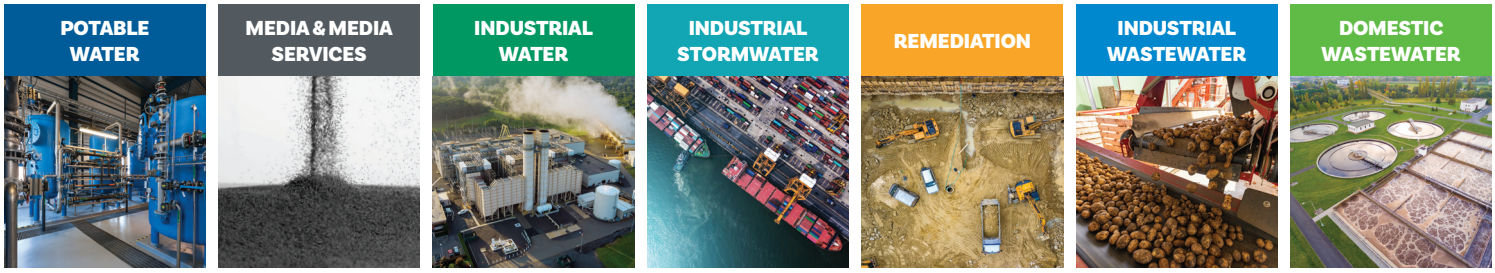
> “With Newterra, it’s more than a service; it’s a partnership… minimizing media consumption and maximizing efficiency.”



From Source to Solution – Choose Newterra

Your trusted partner for comprehensive environmental solutions

With technology brands whose histories expand back for more than 150 years, Newterra has steadily grown from its roots to become a global solutions provider in water and wastewater treatment. Our journey is a testament to our deep understanding of the multifaceted challenges across various markets and applications.

Our “*One Newterra*” ethos is a commitment to providing a comprehensive array of technical solutions, ensuring we address the full spectrum of our clients’ needs. This dedication extends beyond technology, as we nurture enduring partnerships with our clients, standing by them throughout every phase of their challenges. At the heart of Newterra is our unwavering commitment to sustainability.

Our people, our technologies and our practices contribute meaningfully to a sustainable and brighter future.

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