

Solutions: Water Treatment & Filtration – Permanent Process Equipment

CETCO Deep Bed Nutshell Filters - DBNF



True Graded Preconditioned
Black Walnut Filtration Media



Latest Generation Technology
Small Footprint & Low Weight



Lowest Backwash Volume
Lowest Capex & Opex



CLEAR SOLUTIONS
for complex fluids

CETCO Process Equipment offers the latest generation of Walnut Shell Media Filter to the global Water Treatment Community. The CETCO Deep Bed Nutshell Filter-DBNF incorporates exclusive features, allowing customers to benefit from the best available technology in the industry with lowest investment and operating costs.

ABOUT US?

CETCO ENERGY SERVICES offers a comprehensive portfolio of products, services, and innovative solutions to handle COMPLEX fluid challenges. Our customized engineered solutions, patented technologies, and operational experience makes CETCO the CLEAR choice for all your fluid treatment, welltesting, and wastewater requirements.

14 WORLDWIDE
LOCATIONS
≥10 COUNTRIES
Headquarters Houston, TX

WHY CHOOSE US?

- ✓ Global Produced Water Experts
- ✓ Latest Generation Technology
- ✓ Lowest Capex and Opex
- ✓ Superior Quality
- ✓ Pre and Post Start-Up Training and Support



CETCO Deep Bed Nutshell Filters - DBNF

The CETCO DBNF is a fully automated, self-cleaning, granular media filter, outperforming all other technologies on the market. It provides superior performance in produced and industrial water treatment markets. The features offered in the design include; mixer based agitation and backwashing cycles, specially designed wedge wire screen assemblies with support structures and true graded pre-conditioned Black Walnut Shell Filter media.

The CETCO DBNF Advantage

- Compact Design
 - Smallest installed footprint of alternate technologies on the market
 - Vertical and horizontal configuration offers shipping and installation flexibility without compromised efficiency
- Internal Mixer and Backwash Assembly
 - Robust mixing and mechanical agitation inside the vessel increases filtration run time through efficient media fluidization
 - Reduces media attrition and eliminates necessity for external chambers
 - Most efficient media regeneration technology and shortest backwash cycle reduces operating cost of waste fluid handling
- Highest Filtration Removal Efficiency and Lowest Backwash Volume
 - 95-98% or better removal of suspended solids and hydrocarbons
 - Backwash cycle time reduced to half that of the competitive technologies
 - Smaller vessel and more expedient backwash yields backwash volumes of one third of other technologies
- Lowest Investment and Operating Cost
 - Low media attrition of <1% per year
 - Lowest weight and footprint compared to other technologies
 - No gas scour required during backwash cycle or gas emission
 - Electrical consumption is less than one quarter of an equivalent pump style filter

