

Bayoxide® E33 Adsorption Media – Arsenic Reduction

AdEdge Technologies' Bayoxide® E33 media is the industry standard for arsenic reduction that reduces up to 99% of total arsenic, including both arsenic (III) and arsenic (V). This revolutionary new iron-based granular adsorption media has 4 to 10 times the capacity of many adsorption medias. AdEdge's product is specifically designed for commercial and residential POE and small systems to meet the EPA arsenic standard of 10 ppb. Developed in the mid-nineties, this ferric oxide-based product has been successfully used in large-scale drinking water applications since 1999. The new E33 media can be discarded when spent and requires no chemicals or regeneration. It has become the premier product of choice for POE whole-house drinking water treatment systems for reliable, cost-effective, proven reduction of arsenic.

✓ Removal of up to 99% of total Arsenic in water, including As (III) & As (V) with no wasting of water.	✓ NSF 61 product listing (see AdEdge for listing site/product details) ✓ Effective over broad water chemistry.
✓ Spent media discarded as non-hazardous household waste.	✓ Simple application for whole house POE applications for arsenic removal.
✓ Reliable performance, low maintenance ✓ Adaptable add-on to water softening or other existing equipment.	✓ 2 - 2.5 times lighter than other iron-based media; easily backwashable; arsenic not released or discharged in backwash water.
✓ No salt, chemicals or regeneration needed	✓ Imparts no harmful chemicals into the treated product water.

TECHNICAL SPECIFICATIONS

E33 provides cost effective centralized arsenic treatment with a typical life of 2-3+ years before replacement. The media exhibits high operating capacity across a wide range of pH, influent arsenic concentrations and flow rates. It is simple to apply in standard POE vessels with typical flow rates of 2-10 gallons per minute. Once the media is exhausted, E33 can be discarded as a non-hazardous waste (specific state requirements should be consulted). Media is easy to handle and can be stored and shipped dry.

Physical Properties	E33 Media
Matrix	Iron Oxide Composite
Physical Form	Dry granular media
Color	Amber
Particle Size Distribution	10x35 mesh
Moisture Content	< 15% by wt.
Packaged	Dry

