



**PŪRA NITRATELOCK. Tech Fact & Specifications.**

**WHAT IS IT?** Selective ion exchange resin for nitrates removal.

**COMPOSITION:** Styrene anion resin with quaternary functional group in spherical beads form.

**PURPOSE:** To be used in fresh and salt water aquariums to remove large quantities of nitrates.

**BENEFITS:** Rapidly removes and maintains extremely low to non-measurable levels of nitrates in fresh and salt-water aquariums. Long lasting, can be regenerated 100's of times. Drastically reduces number of necessary water changes. Regeneration is accomplished with plain table salt, quick and completely safe.

Convenient to implement, comes with a 6" x 12" 300-micron media bag.  
Available in two sizes: 500 mL media for tanks up to 50 gal and 1 L media for tanks up to 100 gal.

**COMPARISONS:** Currently there are no similar products on the market.

**FAQ:**

How do I use PŪRA NitrateLock? .....

Can be used in a media reactor or fluidized bed filter. Confined into enclosed mesh bag, PŪRA NitrateLock can be placed into any filter. 500 mL of PŪRA NitrateLock will remove up to 19,000 mg and 1 L of the media will remove up to 38,000 mg of nitrates.

How much nitrates can PŪRA NitrateLock remove? .....

Each regeneration slightly reduces the capacity of media. This said, keep in mind that the remaining capacity is more than sufficient to keep the nitrate levels at bay.

Is regenerated media as effective as original? ....

How do I regenerate this media? .....

Regeneration of the resin is accomplished by passing a flow of brine solution through the resin at a rate of 0.25 – 0.5 gallon per minute (1-2 quarts per minute). It can be accomplished effectively by using a plastic 0.5 Gal. water pitcher with 1/4" DIA hole drilled in the bottom.



1. Prepare brine solution by dissolving 3.0 lb of table salt in 4 gal of chlorine free water warmed up to approximately 100 F;
2. Place media bag with the resin inside the pitcher and fill pitcher with brine solution;
3. Lift media bag with the resin in and out of the pitcher several times to fluidize the resin, then leave it at the bottom of the pitcher. After the brine drains out of the pitcher, repeat steps 2 and 3 until all four gallons are used up;
4. Fill the pitcher with lukewarm chlorine free water to rinse the resin to remove brine residue. Lift media bag with the resin in and out of the pitcher several times, then leave it at the bottom of the pitcher. Continue rinsing to use two gallons of water total;
5. Drain, check the media bag for integrity and return resin to service.