



## **AUTOMATIC NITRATE**

## **REMOVAL SYSTEMS**

- **High Nitrate Levels?**
- **High Sulfate Levels?**

***AWS HAS  
THE ANSWER!***

**N**itrate levels in excess of 2 to 4 ppm are often a result of fertilizer run-off from agricultural operations or from leaking septic tank systems. These automatic nitrate removal systems, properly sized and maintained, can reduce nitrate levels by 80%. In place of toxic chemicals these systems regenerate with common water softening salt. Sizing is important and a complete general mineral water analysis is recommended. Sulfates affect performance and it is important to know the sulfate levels in addition to the nitrate levels. The USEPA Maximum Contaminant Level allowed is 45 ppm. If nitrate levels in the raw water exceed 100 ppm, a new water source is recommended. Call AWS for specific recommendations and sizing options.



# NITRATE REMOVAL SYSTEMS

Choose from two types: **single tank systems** which count the gallons used and then after a preset number of gallons have passed, waits until 2am or other time to automatically regenerate (automatic cleaning process), OR **twin tank systems** that count the gallons and regenerate immediately. Use twin-softener tank systems when you want to have continuous nitrate-filtered water even during regeneration.

## How Do I Know What Size I Need?

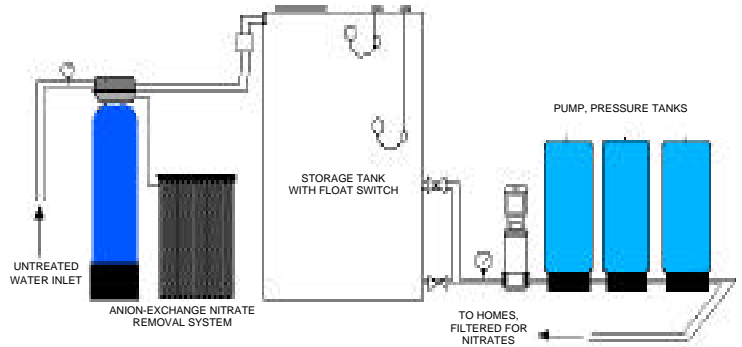
The size of the nitrate system you will require depends on the following parameters:

- Nitrate + Sulfate Levels, in ppm
- Flow rate required, in gallons per minute
- Gallons of water used per day

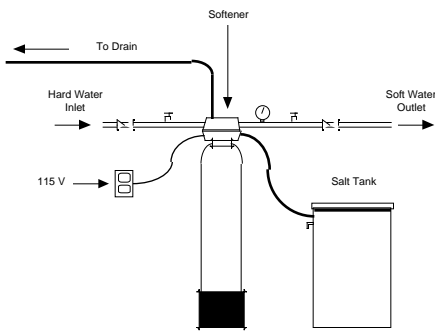
Generally, figure on approximately 2 to 4 gallons per minute per cubic foot of nitrate resin.

\*Questions about sizing your nitrate system? Call us: (831) 476-0515 or e-mail us at [info@advancedh2o.com](mailto:info@advancedh2o.com)

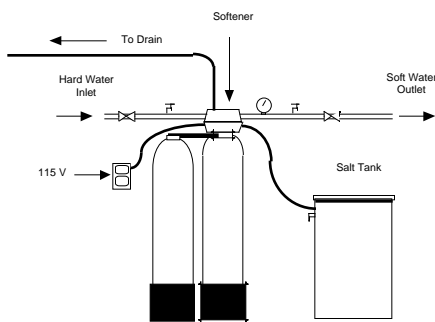
## Nitrate Removal System for Multiple Homes



### Point-of-Use Single-Tank System



### Point-of-Use Twin-Tank System



### Single-Tank Systems

GPM	Cu Ft/ Media	Pipe Size	Service Flow	Back Flow	Drain Tubing Size	Part #	Price \$\$
2.5	1.00	3/4"	2.5	2	1/2"	NI000090	\$2534
3	1.50	1"	3	2.5	1/2"	NI000010	\$3069
4	1.75	1"	4	2.5	3/4"	NI000020	\$3600
4.5	2.50	1"	4.5	4	3/4"	NI000040	\$4415
4.5	2.50	1 1/2"	4.5	4	1"	NI000120	\$5108
5.5	3.00	1"	5.5	5	3/4"	NI000150	\$5463
5.5	3.00	1 1/2"	5.5	5	1"	NI000050	\$6156
7	4.00	2"	7	5	3/4"	NI000070	\$7277
7	4.00	2"	7	5	3/4"	NI000600	\$7920
12.5	7.00	1 1/2"	12.5	6	1"	NI000620	\$11817
12.5	7.00	2"	12.5	6	3/4"	NI000110	\$13901

### Twin Tank Systems

GPM	Cu Ft/ Media	Pipe Size	Service Flow	Back Flow	Drain Tubing Size	Part #	Price \$\$
2	2.00	1"	2	8	1/2"	NI000160	\$3803
3	3.00	1"	3	2.5	1/2"	NI000170	\$4731
4.5	5.00	1 1/2"	4.5	4	1"	NI000370	\$10335
5.5	6.00	1 1/2"	5.5	5	1"	NI000190	\$12024

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