

# BRASSMASTER PLUS+

Water Softening & Filtration Systems

NATURAL & MAINTENANCE-FREE

## SOFTENING + NITRATE REMOVAL\*\*

- ✓ **INSULATED TANK DESIGN ELIMINATES CONDENSATION**
- ✓ **POSTAGE PRE-PAID TEST BOTTLES FOR THE FIRST YEAR INCLUDED**
- ✓ **EXCLUSIVE 5 YEAR APM WARRANTY FOR QUICK & INEXPENSIVE SERVICING**



WHOLE HOUSE

### Effective treatment of:

- Nitrate/Nitrite
- Water Hardness
- Iron\*
- Sulfate
- Perchlorate

Nitrates are a worrisome contaminant, often found in well water sources. Usually the result of agricultural pollution [from fertilizers and animal waste], they can lead to serious health conditions, including "Blue Baby Syndrome" [whereby infants are unable to absorb adequate levels of oxygen into their bloodstreams] and cancer. The USEPA has set the Maximum Contaminant Level [MCL] for nitrate at 10 parts-per-million [10 mg/L]. BrassMaster Plus NitraMAX systems effectively reduce nitrate to levels below 10 PPM, making water safe for human consumption. Standard models incorporate additional water softening media for the reduction of hardness. NitraMAX units are also available without softening media for those homes that already enjoy soft water.

\* High iron concentrations may require additional equipment

An Employee-Owned Company



\*\*ALSO AVAILABLE IN NITRATE-ONLY UNITS (WITHOUT SOFTENING OR IRON REMOVAL)

# BRASSMASTER PLUS+

Water Softening & Filtration Systems

RESIDENTIAL



Nearly all serviceable parts lie within the removable/replaceable APM module. This eliminates costly and time consuming field repairs.



Standard NitraMAX combi systems feature high-quality cation resin for the removal of hardness minerals (including calcium and magnesium, plus low-levels of iron). Once softened, the water then passes through a bed of nitrate/sulfate selective anion resin to remove the nitrates and render it safe for consumption. Both medias are regenerated (cleaned) with sodium chloride (salt) pellets, just like a standard water softener. LS units contain only the nitrate selective anion resin, yet continue to rely on salt for regeneration. An added benefit: NitraMAX systems are also extremely effective at removing both sulfate and perchlorate, in instances where these contaminants are present.

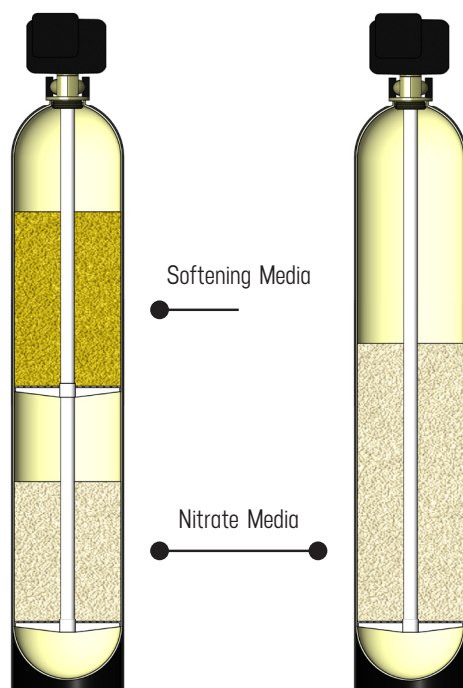
Specifications	NM-75	NM-125	NM-150-LS	NM-250-LS
Maximum flow [GPM] <sup>1</sup>	5	8	8	13
Maximum combined nitrate +sulfate [raw water PPM]	100	100	100	100
Maximum hardness [raw water grains per gallon]	N/A	N/A	3	3
Softening capacity [grains] <sup>2</sup>	20,500	34,000	N/A	N/A
Nitrate capacity [grains] <sup>2</sup>	7,500	12,500	13,000	23,000
Iron capacity [max PPM]	2	2	0	0
Mineral tank dimensions	10" x 54"	13" x 54"	10" x 54"	13" x 54"
Brine tank dimensions	18" x 33"	18" x 33"	18" x 33"	18" x 33"
Inlet/outlet connection height	56"	56"	56"	56"
Overall height	62"	62"	62"	62"
Nitrate media [cu.ft.]	0.75	1.25	13	23
Softening media [cu.ft.]	0.75	1.25	N/A	N/A
Inlet/outlet pipe size	3/4"	3/4"	3/4"	3/4"
Pipe centers	2"	2"	2"	2"
Backwash rate [GPM]	1.7	3.0	0.8	1.2
Regeneration time [min]	90	90	90	90
Regeneration frequency	metered [max 7 days]	metered [max 7 days]	metered [max 14 days]	metered [max 14 days]
Lbs sodium chloride per regeneration	8	13	13	23
Drain tubing size [OD]	5/8"	5/8"	5/8"	5/8"
Approx. shipping weight [lbs]	125	190	105	170

<sup>1</sup> Pressure loss at max flow rate = 14 PSID. Exceeding the maximum flow rate may reduce the Nitrate/Nitrite removal efficiency.

<sup>2</sup> Based on 10 pounds of salt per cubic feet of media.

Contact WCC for a system recommendation if your water contains less than 7 GPG hardness and more than 50 PPM Nitrate + Sulfate combined.

**NOTE: NITRATE IS A REGULATED CONTAMINANT AND CAN CAUSE ILLNESS OR DEATH. IT IS CRITICAL TO TEST WATER NO LESS THAN 2X PER YEAR (BI-ANNUALLY) TO ENSURE PROPER SYSTEM OPERATION. WCC OFFERS THIS TESTING/VERIFICATION FOR A SMALL FEE. DETAILS ARE AVAILABLE AT <https://watercontrolinc.com/nitramax-nitrate-removal/> OR IN THE SYSETM OPERATION AND MAINTENANCE MANUAL.**



Nitrate + Softener Sytems

Nitrate-only Sytems [LS]



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