

Chloramine Reduction Filtration System

The North Star Chloramine Reduction Filter (NSSCTOSSA) greatly reduces chlorine taste and odor, skin irritation and other issues caused by chloramines. This filter also benefits from North Star's 100 years of innovation by using self-flushing to reduce maintenance and back-washing for an extended media life.

FEATURES

- Suitable for most home sizes
- How it works: Water is passed through high activity catalytic carbon, trapping chloramines
- Self-flushing
- Large 1" connections
- Coconut shell
- Chemical free
- Multiple parallel units can be used for maximum flows
- Reduces some hydrogen sulfide when present



Chloramines are a family of chemicals that are added to some municipal water supplies as a disinfection. These chemicals have characteristics of both chlorine and ammonia. Chloramines can impart an offensive taste and odor to drinking water and beverages. They can cause skin irritation and are corrosive in nature. Chloramine vapors and disinfection byproducts can accumulate in indoor air and concentrate in an enclosed area such as a shower stall, small bathroom, kitchen or apartment.

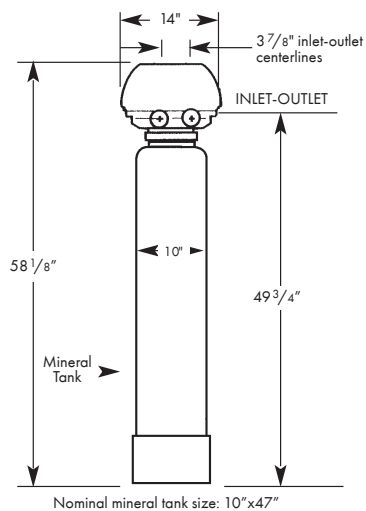
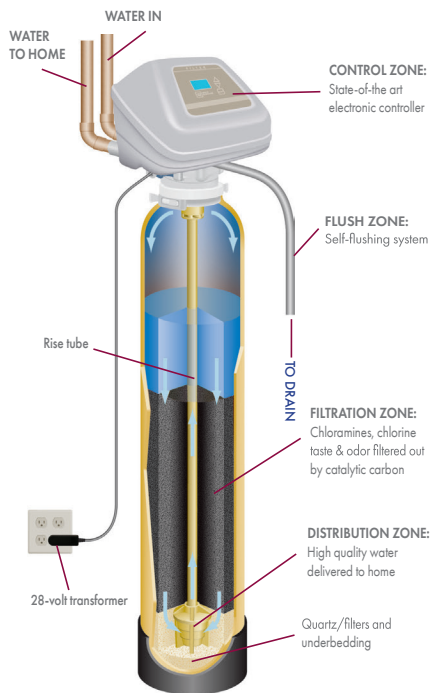
Chloramines are respiratory irritants, and can cause and/or aggravate respiratory problems. The US EPA states that there are NO dermal (skin) and NO inhalant (respiratory) studies on chloramine used as a disinfectant for drinking water; and that information on the absorption of inorganic chloramines is extremely limited (<http://www.epa.gov/ncea/pdfs/water/chloramine/dwchloramine.pdf>).

Clinical reports indicate that acute chloramine exposure, either by inhalation or ingestion, results in burning eyes and throat, shortness of breath, coughing, nausea, reversible pulmonary damage and allergic responses. Kidney dialysis patients cannot use water treated with chloramines in their dialysis machine, as it may cause hemolytic anemia. Chloramines can't be removed by boiling, distillation, regular activated carbon filtration, or by letting water stand uncovered.

SPECIALTY FILTER

CHLORAMINE REDUCTION

NSSCTOSSA



SPECIFICATIONS

Nominal Mineral Tank Size	10" X 47"
Supply Water pH Limitation Level	VARIABLE
Mineral Type	Catalytic Carbon
Amount of Mineral	.71 cu. ft.
Amount of Filter Sand	10 lbs
Amount of Gravel Base	16 lbs.
Inlet Water Pressure Limits	20-125 PSI
Max. Water Temperature	120°F
Min. Inlet Water Flow	270 gal./hour
Electrical Rating	24V 60Hz
Service Flow Rates	10 gpm @10 psi pressure drop
Backwash Flow Rate	5 gpm
Type of Backwash Process	Automatic
Dimensions	10" diameter, 58 1/8" H



Point-of-entry systems NSCCTOSSA and NSANSSA are tested and certified by NSF International for NSF/ANSI/CAN Standard 372, and are not certified for materials safety, contaminant reductions or structural integrity by NSF International.



Point-of-entry system NSAPFSSA tested and certified without media by the Water Quality Association under NSF/ANSI/CAN Standard 61 for material safety requirements only, and NSF/ANSI/CAN Standard 372 for low lead content. Not certified for contaminant reductions by the Water Quality Association.

FOR MORE INFORMATION

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VISIT

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WARRANTY

Warrantor guarantees, to the original purchaser when the product is purchased from an authorized dealer, and when installed and maintained in accordance with the instructions, that for a period of one (1) year from the date the product is delivered, all parts will be free from defects in materials and workmanship and will perform in accordance with their written specifications. For a period of ten (10) years from the date the product is delivered, the fiberglass mineral tank, excluding filtration media, will not rust, corrode, leak, burst, or in any other manner, fail to perform in accordance with its written specifications. For a period of three (3) years from the date the product is delivered, the electronic control board and valve body will be free of defects in materials and workmanship and will perform in accordance with their written specifications. If, during such respective period, a part proves to be defective, Warrantor will ship a replacement part, directly to your home, without charge. Should a defect or malfunction occur, contact your contractor. If you are unable to contact your contractor, return the part, freight prepaid, directly to the factory at the address below. Enclose with the part a full description of the problem, with your name, full address, date purchased, model and serial numbers, and selling contractor's name and address. We will repair or replace the part and return it to you at no cost if our repair department determines it to be defective under the terms of the warranty.