



Nelsen Water Solutions Arsenic Reduction System

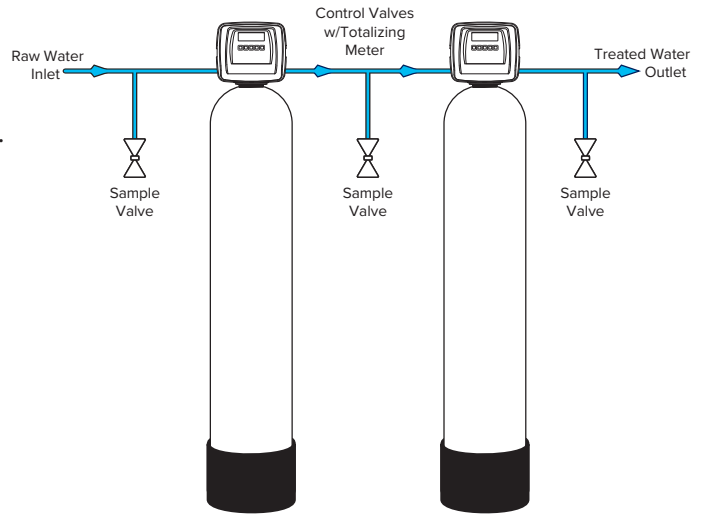
System Summary



The NWS-ARSENIC systems utilize ResinTech's ASM-10-HP ion exchange resin, ASM-10-HP is a chloride form arsenic selective hybrid anion exchange resin. ASM-10-HP has hydrated iron oxide monoatomically dispersed throughout the polymer giving the product hybrid properties and exceptional capacity for certain anions. ASM-10-HP is intended for arsenic removal although it does remove uranium and other trace level contaminants. ASM-10-HP has been Gold Seal Certified by the WQA for use in potable water applications.

For optimal performance, it is recommended to install two vessels in a lead/lag configuration. The GPM can be increased by adding more systems in parallel.

Systems feature the Nelsen Water Solutions proprietary 1" metered control valve to monitor gallons usage and includes programmable service reminder that can be set to time, gallons, or both.



| SYSTEM SPECIFICATIONS | | | |
|-----------------------|-----------|-----------|--------------------|
| Model # | Flow Rate | Tank Size | Dimensions |
| NWS-ARSENIC-6 | 6 GPM | 10" x 54" | 12w" x 12d" x 61h" |
| NWS-ARSENIC-10 | 10 gpm | 13" x 54" | 15w" x 15d" x 61h" |

Under ideal conditions ResinTech ASM-10-HP will reduce 50 ppb of arsenate to less than 10 ppb for more than 500,000 gallons per cubic foot. Limiting factors are high pH, high silica concentration, and high sulfate concentration. Capacity can also be reduced by intermittent operation and various foulants, notably suspended solids.



Certifications and Materials:



WQA Certified Components (tank, media)



NSF Certified Components (head, bypass)

Corrosion-Resistant Materials

| SUGGESTED OPERATING CONDITIONS | |
|--|------------------|
| Maximum continuous temperature Chloride form | 170°F |
| Minimum bed depth | 24 inches |
| Backwash expansion | 50 to 75 percent |
| Maximum pressure loss | 25 psi |
| Operating pH range | 4 to 8 SU |

Note: These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums. For operation outside these guidelines, contact your salesperson. Yearly testing is suggested to ensure contaminant removal.