PRODUCT SPECIFICATION SHEET

SUPRA

ASM-10-HP

HYBRID

ARSENIC SELECTIVE
HYBRID STRONG BASE ANION
CHLORIDE FORM

ResinTech 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 oxo 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.

APPLICATIONS

- Arsenic Removal
- Silica Removal

US PAT. NO. 7,504,036

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Styrenic Gel
Ionic Form	Chloride
Fuctional Group	Iron oxide Hybrid / Diethanolamine
Physical Form	Spherical Beads
Particle Size	16 to 50 US Mesh (297 - 1190µm)
% < 50 mesh (300µm)	1%
Minimum Sphericity	93%
Uniformity Coefficient	1.6
Temp Limit	250°F (121°C)
Capacity (meq/mL)	1.4
Moisture Retention	35% to 50%
Shipping Weight	48 - 50 lbs/ft³ (769 - 801 g/L)
Color	Black

CERTIFICATIONS

- WQA Gold Seal
- Halal Certified

PACKAGING OPTIONS

- 500 ml samples
- 1 ft³ bags
- 1 ft³ boxes
- 1 ft³ drums
- 7 ft³ drums
- 42 ft³ supersacks

C US

MADE IN AMERICA

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

Revision 1.0

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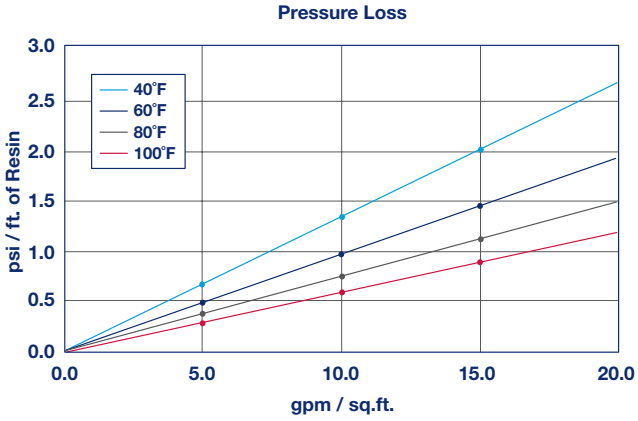
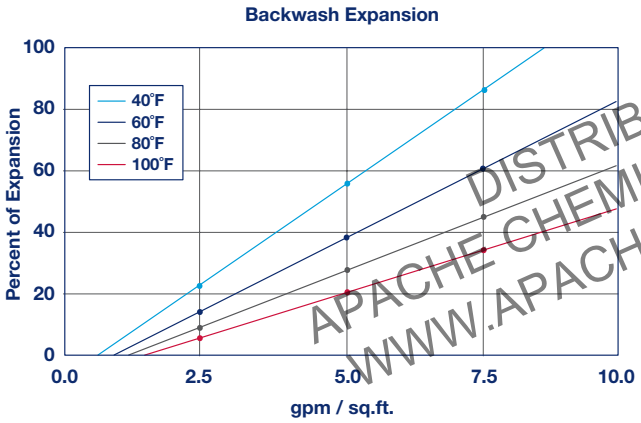
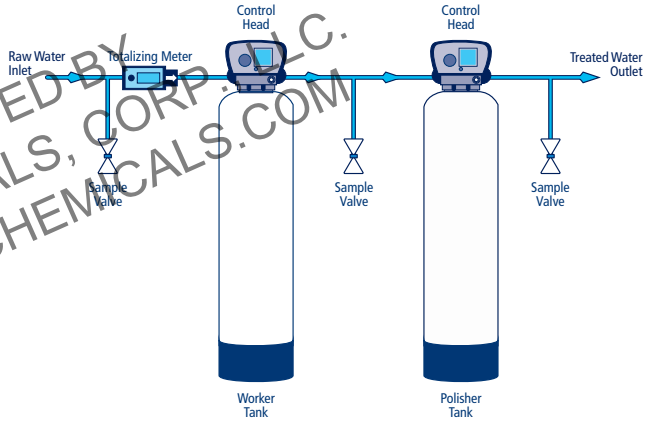




SILICA REMOVAL

ResinTech ASM-10-HP can be used at moderate pH to remove silica. At a flow rate of 0.5 BV/min, removal efficiency of ninety percent is possible for several hundred bed volumes of throughput. Silica does not dump as the resin exhausts. Even though silica removal is not complete, some lowering of silica occurs for hundred of thousands of bed volumes.

SUGGESTED SYSTEM CONFIGURATION FOR ASM-10-HP



ARSENIC REMOVAL

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 intermittant operation and various foulants, notably suspended solids.

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
Service flow rate	1 to 5 gpm/cu.ft.

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 ResinTech Technical Support

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