

SEA-IX™

AnionCore Fine

SBA-G-OH-12

SBA Exchange Resin

Uniform Particle Sized, Gel-Type

Technical Data Sheet

AnionCore Fine is a standard cross-linked UPS, SBA, gel-type, type1 exchange resin with excellent ion removal capacity, allowing for economical production of high-purity water. AnionCore Fine has outstanding physical and chemical strength, resulting in a low resin crush rate over long-term use. It is supplied in its OH⁻ form and can also be supplied in its Cl⁻ form.

Physical and Chemical Properties

Matrix	Polystyrene+DVB, Gel	Functional Group	Type1(Trimethylammonium)
Ionic Form	OH ⁻	Total Capacity(eq/ℓ)	1.10 ↑
Shipping Density(g/ℓ)	660	Moisture Retention(%)	62~70
Particle Density	1.07	Uniformity Coefficient	1.1 ↓
Particle Size(μm)	620±50	Swelling Rate (Cl ⁻ → OH ⁻ , %)	24
Whole Beads(%)	95 ↑		

Recommended Operating Conditions

Operating Temp(°C)	60 ↓ (OH ⁻), 80 ↓ (Cl ⁻)	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~60

Regeneration

Regenerant	NaOH	Concentration(%)	2~8
Level(g/ℓ)	50~150	Flow Rate(m/h)	2~8
Rinse Requirement(BV) 2~6			

Applications

AnionCore Fine is used for special purification applications such as water treatment, metal recovery, and sugar solutions due to its high SiO₂ removal ability and thermal resistance.

Packaging:

- 1000 lbs. (453 kg) super sacks
- 50lb Bags (22.6 kg) - 24 per pallet

Shipped from:

- Huntersville, NC



Hydraulic Characteristics

Figure 1 and 2 show the backwash expansion of AnionCore Fine as a function of flow rate and temperature.

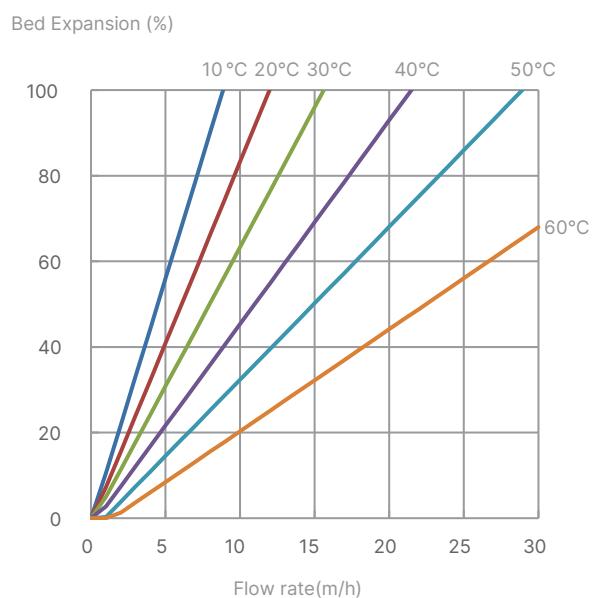


Figure 1 (Cl⁻ Bed Expansion)

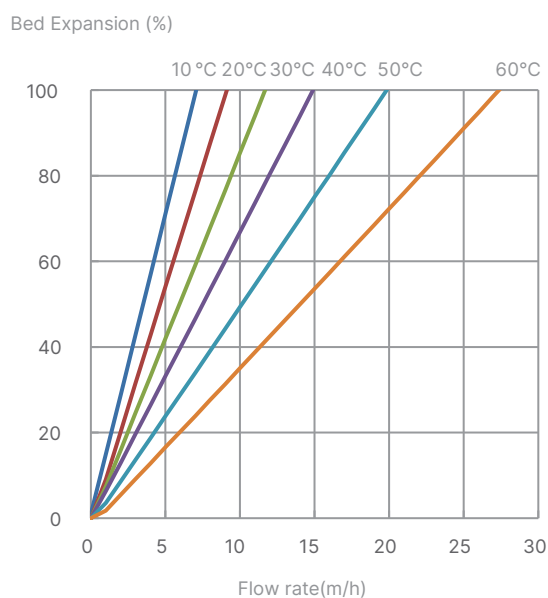


Figure 2 (OH⁻ Bed Expansion)

Figure 3 and 4 show the pressure drop of AnionCore Fine as a function of flow rate and water temperature.

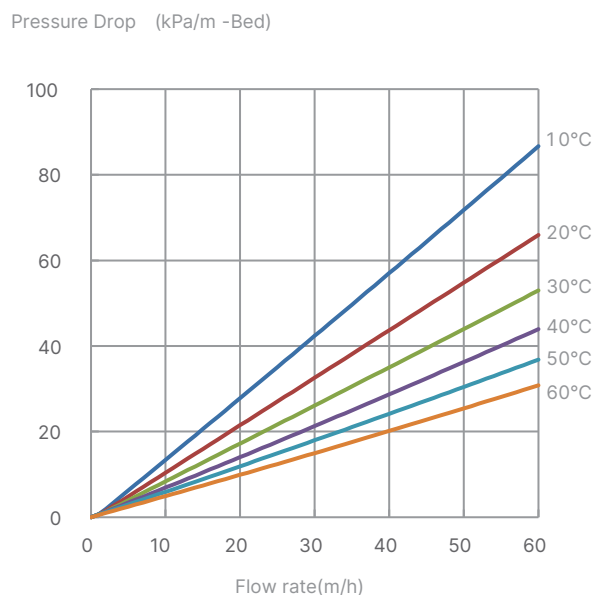


Figure 3 (Cl⁻ Pressure Drop)

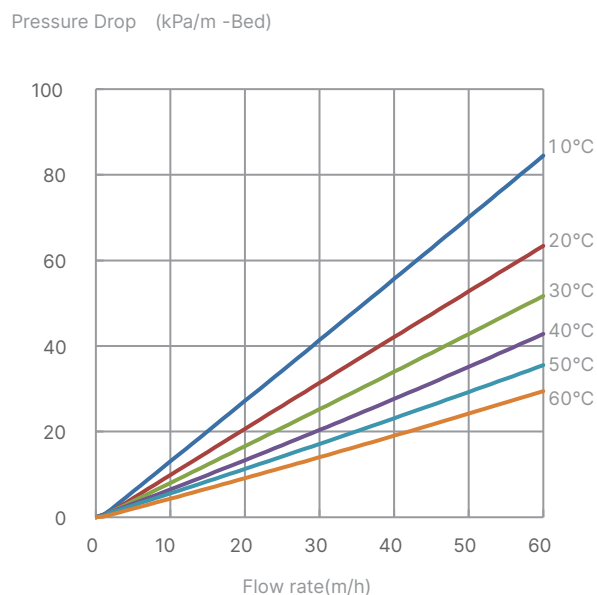


Figure 4 (OH⁻ Pressure Drop)