

SEA-IX™**AnionCore UPS**

SBA-G-OH/UPS

SBA Exchange Resin

Uniform Particle Sized, Gel-Type**Technical Data Sheet**

AnionCore UPS is a high cross-linked, UPS, SBA exchange resin with high physical and chemical stability, and low resin crush rate even after long-term use. Under standard operating conditions, it maintains an outlet water quality with a TOC concentration of less than 10 ppb.

Physical and Chemical Properties

Matrix	Polystyrene+DVB, Porous	Functional Group	Type1(Trimethylammonium)
Ionic Form	OH ⁻	Total Capacity(eq/ℓ)	1.20
Shipping Density(g/ℓ)	660	Moisture Retention(%)	54~60
Uniformity Coefficient	1.2 ↓	Particle Size(μm)	630±50
Whole Beads(%)	95 ↑	ΔTOC(ppb)	10 ↓

Recommended Operating Conditions

Operating Temp(°C)	60	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~120

Applications

AnionCore UPS is used for primary circuit and stator cooling system in nuclear power plants and maintains outlet water quality with ΔTOC less than 10ppb under standard operating conditions.

Packaging:

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

Shipped from:

- Huntersville, NC



Hydraulic Characteristics

Figure 1 shows the backwash expansion of AnionCore UPS as a function of flow rate and temperature.

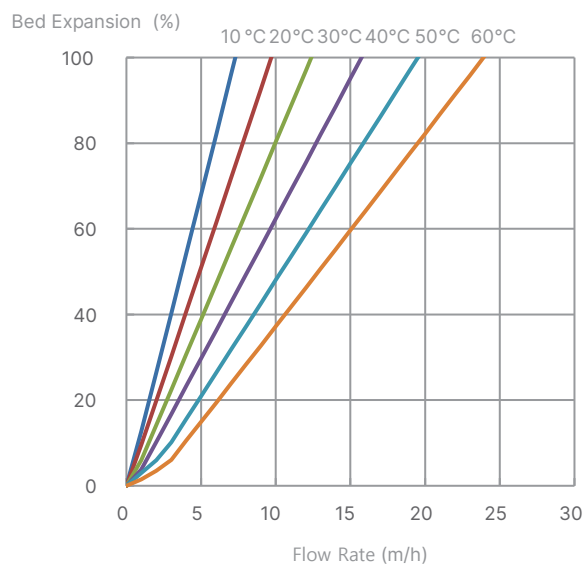


Figure 1 . AnionCore UPS OH⁻ Bed Expansion

Figure 2 shows the pressure drop of AnionCore UPS as a function of flow rate and water temperature.

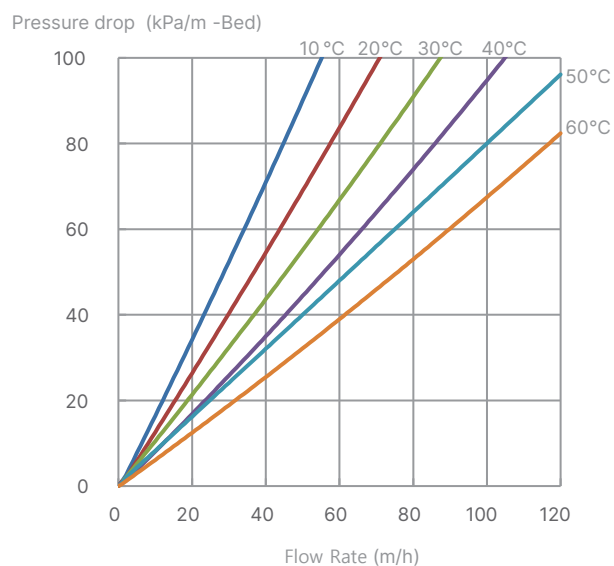


Figure 2 . AnionCore UPS OH⁻ Pressure Drop