



ADSORBENT RESIN

PersaPore™ ADS200

Adsorbent Resin for Decolorization – Sugar Solutions

SPECIFICATIONS

Copolymer:	Styrene-divinylbenzene
Matrix:	Macroporous
Functional Group:	Quaternary Ammonium – Type I
Physical Form:	Ivory beads
Ionic Form:	Cl ⁻
Total Capacity:	≥ 1.0 eq/L (Cl ⁻ form)
Moisture Content:	55 – 65 %
Particle Size:	425 – 1,250 μm
Swelling:	Cl ⁻ → OH ⁻ : ≤ 25 %
Particle Density:	1.05 g/mL
Bulk Density:	700 g/L (43.7 lb/ft ³)

SUGGESTED OPERATING CONDITIONS

Temperature Range:	90°C (194°F) (Cl ⁻ form) 70°C (158°F) (OH ⁻ form)
pH Range:	0 – 12
Service Flow Rate:	8 – 40 BV/h

HYDRAULIC CHARACTERISTICS

Figure 1 shows the estimated bed expansion as a function of backwash flow rate and temperature. Estimated values of pressure drop across the bed resin as a function of flow rate and temperature are in Figure 2.

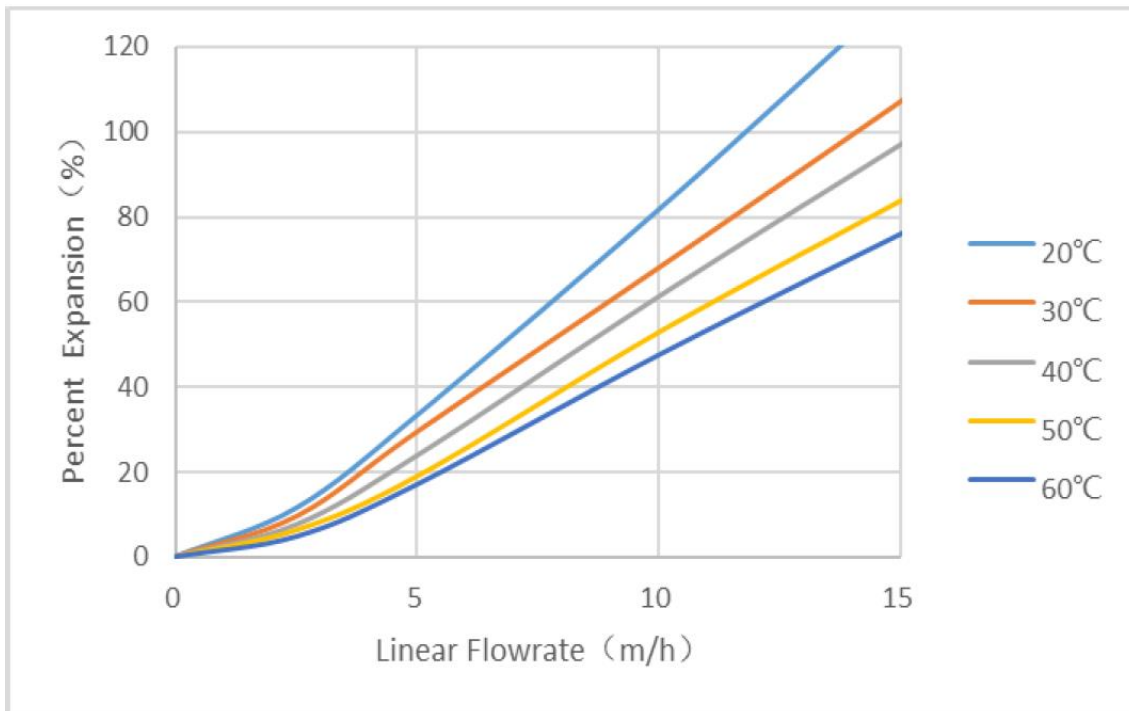


Figure 1: Backwash expansion

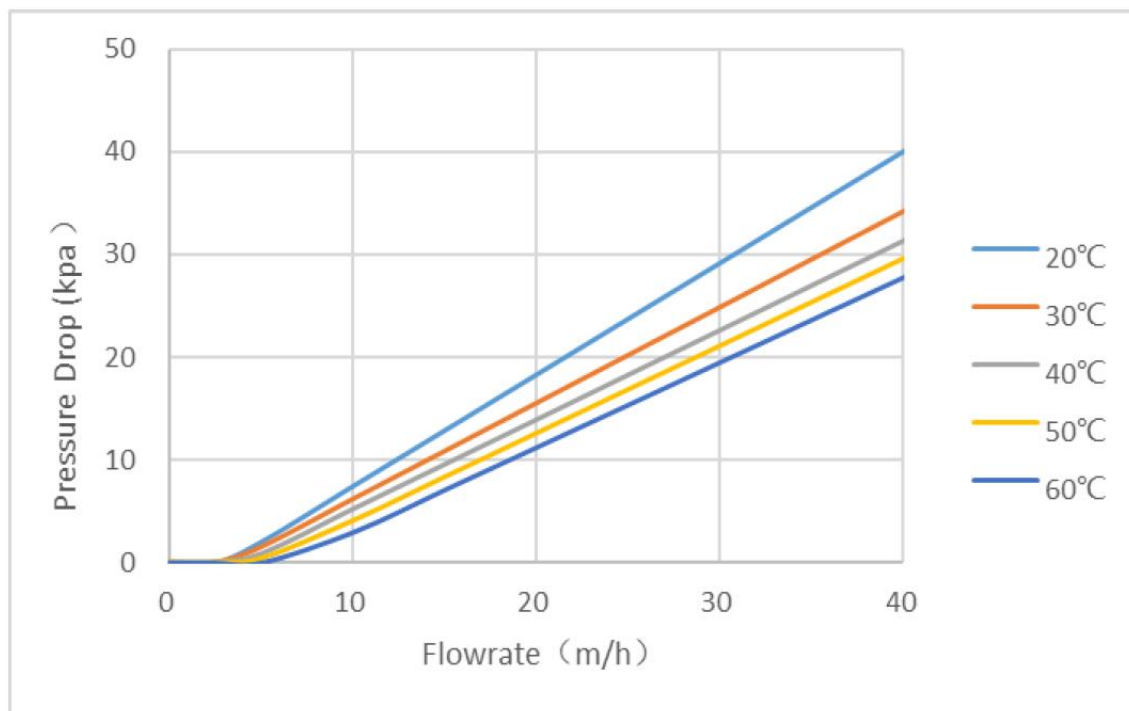


Figure 2: Pressure drop

Notes: The information and data are in good faith but without guarantee. Please consult our engineering team for more information before installing and operating the resin. Modifications of the specifications can occur without prior notice. IX resins should be stored in sealed bags in areas with a temperature above 0°C. See MSDS for safety issues.