

Product Data Sheet

DIAION™ UBA120P

DIAION™ UBA120P is an anion exchange resin with a uniform particle size. It has a standard cross-linkages and excellent properties. A wide range of applications, especially in a field of manufacturing and processing pure water in mixed bed, is recommended.

Product

| | |
|------------------|------------------------------------|
| Grade Name | DIAION™ UBA120P |
| Type | Strong Base Anion |
| Matrix | Styrene-DVB, Gel |
| Functional Group | Type I (trimethyl ammonium groups) |
| Ionic Form | Cl ⁻ |

Specification

| | | |
|-------------------------|--------|-----------|
| Whole Bead Count | - | 95 min. |
| Salt Splitting Capacity | meq/mL | 1.3 min. |
| Water Content | % | 49 - 55 |
| Average Diameter | μm | 575 ± 50 |
| Uniformity Coefficient | - | 1.10 max. |

Typical Properties

| | | |
|--|------|------|
| Shipping Density | g/L | 670 |
| Particle Density | g/mL | 1.08 |
| Total Swelling (Cl ⁻ to OH ⁻) | % | 23 |

Recommended Operating Conditions

| | | |
|-------------------------------|-----|--|
| Maximum Operating Temperature | °C | 80 (Cl ⁻) 60 (OH ⁻) |
| Operating pH Range | | 0 - 14 |
| Minimum Bed Depth | mm | 800 |
| Service Flow Rate | m/h | 10 - 60 |
| Regenerant | | NaOH |
| Regenerant Concentration | % | NaOH 2 - 8 |
| Regenerant Level | g/L | 50 - 200 |
| Regenerant Flow Rate | m/h | 2 - 8 |
| Total Rinse Requirement | BV | 2 - 10 |



DIAION™ UBA120P

Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ UBA120P resin in normal down flow operation is shown in the graphs below.

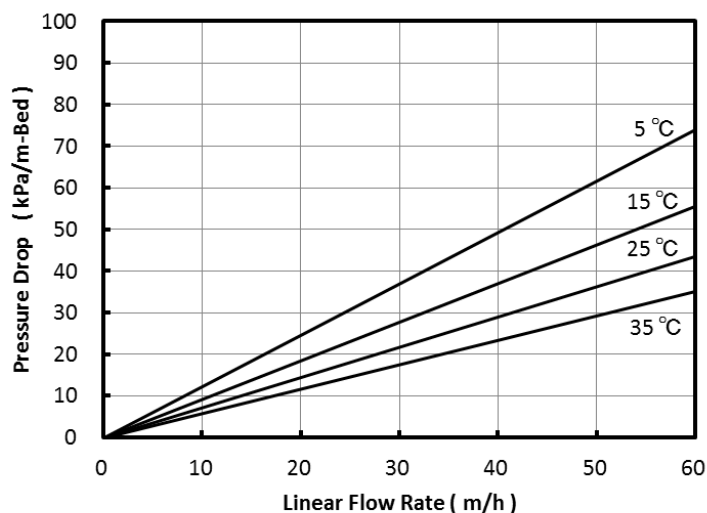


Fig. 1 Pressure Drop of UBA120P

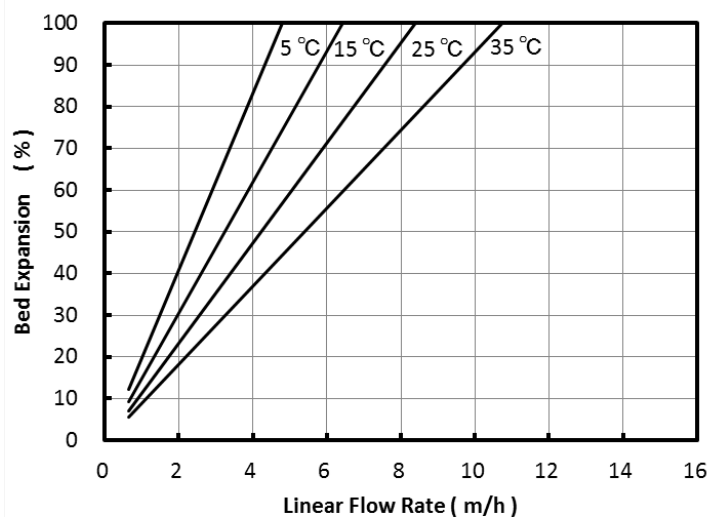


Fig. 2 Bed Expansion of UBA120P

Notice

This information are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. The application, use and processing of our products are beyond our control and therefore your own responsibility.