TECHNISCHES DATENBLATT

Purolite™ A532E

Polystyrol Gel, Chlorid Form, Trinkwasserqualität

EINSATZGEBIETE

- Entfernung von hydrophoben Anionen
- Perchlorat Entfernung
- Pertechnetat Entfernung

VORTEILE

- hohe nutzbare Kapazität

BEHÖRDLICHE GENEMIGUNGEN

- Zertifiziert von der WQA nach NSF ANSI 61 Standard

TYPISCHE VERPACKUNGEN

- 1 CF Sack
- 25 L Sack
- 5 CF Papptrommel
- 1 M³ Big bag
- 42 CF Supersack

TYPISCHE PHYSIKALISCHE & CHEMISCHE EIGENSCHAFTEN:

Polymerstruktur	Gel Polystyrol quervernetzt mit Divinylbenzol
Aussehen	Spherische Kugeln
Funktionelle Gruppe	komplexes Amin
Ionische Form	Cl-
Totalkapazität (min.)	0.7 eq/L (15.3 Kgr/ft³) (Cl-)
Wassergehalt	35 - 46 %
Spezifische Dichte	1.04
mittler Korndurchmesser	675 µm
mittler Korndurchmesser	700 µm
Uniformitätskoeffizient	1.3
Schüttgewicht (ca.)	660 - 700 g/l (41.2 - 43.8 lb/ft³)
Temperaturlimit	100 °C (212.0 °F) (Cl-)
Temperaturlimit	60 °C (140.0 °F) (OH-)

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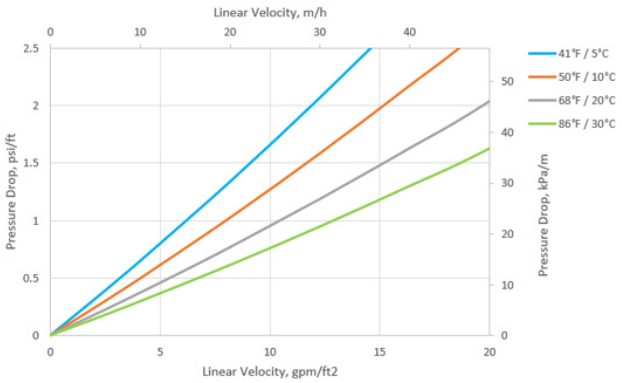
Hydraulische Eigenschaften

PRESSURE DROP

The pressure drop across a bed of ion exchange resin depends on the particle size distribution, bed depth, and voids volume of the exchange material, as well as on the flow rate and viscosity of the influent solution. Factors affecting any of these parameters—such as the presence of particulate matter filtered out by the bed, abnormal compressibility of the resin, or the incomplete classification of the bed—will have an adverse effect, and result in an increased head loss. Depending on the quality of the influent water, the application and the design of the plant, service flow rates may vary from 10 to 40 BV/h.

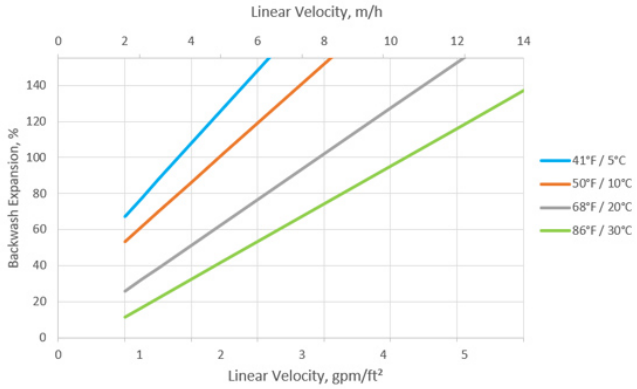
PRESSURE DROP ACROSS RESIN BED



BACKWASH

A 20 BV downflow rinse is required before the vessel is put into service. This rinse can be done onsite or offsite pre-installation. Once the resin is put into service, backwashing is not permitted as this will lead to shortened bed life.This is a uniform grade resin with beads of similar size and will not require backwashing for classification / stratification before use. If it is determined, before startup, that air bubbles or particulate matter are trapped within the bed, then backwashing can be done. In that case, the resin bed should be expanded by 50-70% for 10-15 minutes. Please note that bed expansion increases with higher flow rate and lower water temperature. Avoid loss of resin through the top of the vessel by over expansion of the bed.

BACKWASH EXPANSION OF RESIN BED



Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

www.puroliteresins.com

We're ready to solve your process challenges.

For further information on products and services, visit www.puroliteresins.com or complete a Contact Us form via PuroliteResins.com/contact-us or use the QR code.

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