

Purolite™ PGW6002EBF

polistirenice Gel, Rasinina Anionica puternic bazica de tip I, Buffered form, Categoria apă potabilă

PRINCIPALELE APLICATII

- îndepărtarea ionilor de crom hexavalent
- eliminarea uraniului

AVANTAJE

- Buffered resin
- Stable pH and CSMR* output
- Capacitate ridicată de operare
- Stabilitate fizică excepțională
- o performanță cinetică bună

APROBARI DE REGLEMENTARE

- În conformitate cu Regulamentul FDA 21 CFR 173.25 pentru tratarea alimentelor, răini schimbătoare de ioni
- Aprobat de schema consultativă pentru reglementarea apei
- Certificare Kosher
- Certificat Halal IFANCA

AMBALAJE TIPICE

- sac 1 ft³
- 25 L sac
- Butoi (Fibră) de 5 CF
- 1 M³ supersac
- supersac de 42 CF

* CSMR is the Chloride to Sulfate Mass Ratio.

CARACTERISTICI TIPICE FIZICE SI CHIMICE

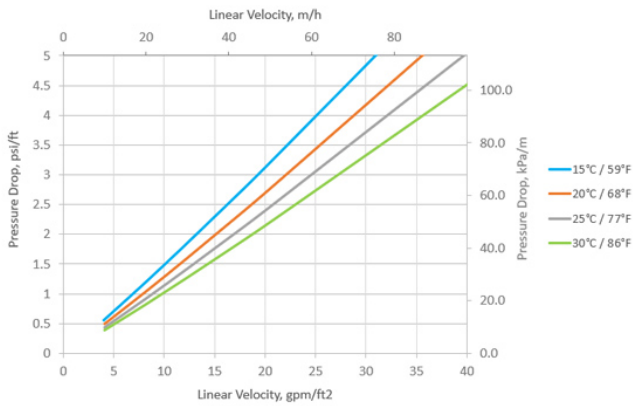
Structura polimerica	Copolimer gel polistirenice reticulat cu divinilbenzen
Aspect	Perle sferice
Grupari functionale	Grupari quaternare de amoniu tip I
Forma ionica	Buffered
Capacitatea totală (min.)	1.65 eq/L (36.1 Kgr/ft ³) (forma Cl ⁻)
reineria umidității	40 - 45 % (forma Cl ⁻)
diametru mediu	570 ± 50 μm
< 425 μm (max.)	1 %
coeficient de uniformitate (max.)	1.2
densitate specifică	1.09
Greutate de transport (aprox.)	675 - 710 g/L (42.2 - 44.4 lb/ft ³)
Limita de temperatură	100 °C (212.0 °F) (forma Cl ⁻)
Limita de temperatură	60 °C (140.0 °F) (forma OH ⁻)

Caracteristici hidraulice

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.

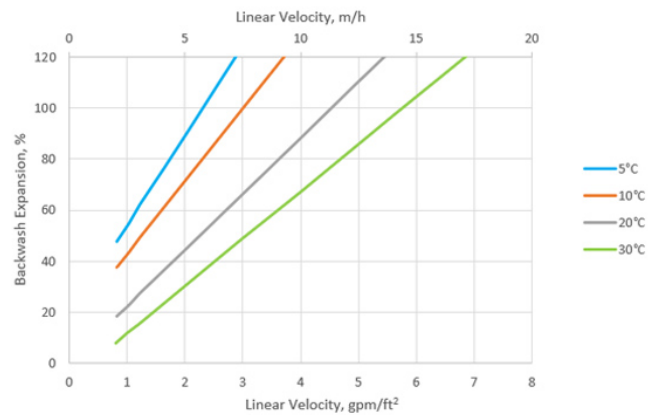
PRESSURE DROP ACROSS RESIN BED



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.

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