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Notice of Product Replacement for  
Purolite<sup>®</sup> A300 and A400

Effective 10th September 2008 Purolite<sup>®</sup> A300 and A400, will be replaced by the uniform particle sized equivalents, Purolite PFA300 and PFA400, respectively, in North and South America operations.

Purolite<sup>®</sup> (PF) grade of resins provides the following advantages.

- Lower pressure drop across the resin bed improving flow, reducing channeling
- Reduced pumping energy requirements
- Savings in chemical regenerant due to higher operating efficiency
- Reduced backwash water and waste water volumes and costs

Purolite<sup>®</sup> resins should not be operated at the same backwash flow as standard particle size resins. The required Backwash Flow Rates can be readily obtained using the Standard Operating Conditions section and the Backwash Expansion Curves in the Engineering Bulletin for the respective Purolite<sup>®</sup> PFA product. See graphs below.

“In order to take advantage of the benefits of Purolite<sup>®</sup> PFA resins, it will be necessary to reduce Backwash Flow Rates by approximately 25% when switching from Purolite<sup>®</sup> A300 or A400. ”, says Francis Boodoo Technical Manager of Purolite.

“Although the price of the Purolite grade resins is slightly higher than the standard grades, the improved performance and efficiency more than compensates for the difference”, he adds.

**Pressure Drop and Backwash Curves for Purolite® PFA300**

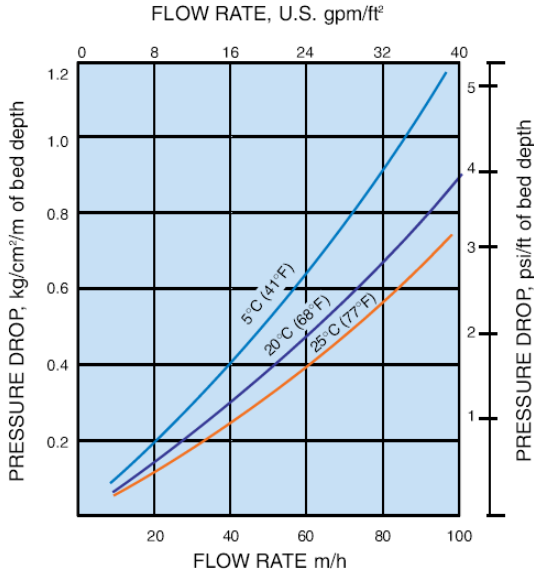


Fig.1 Pressure Drop Versus Flowrate

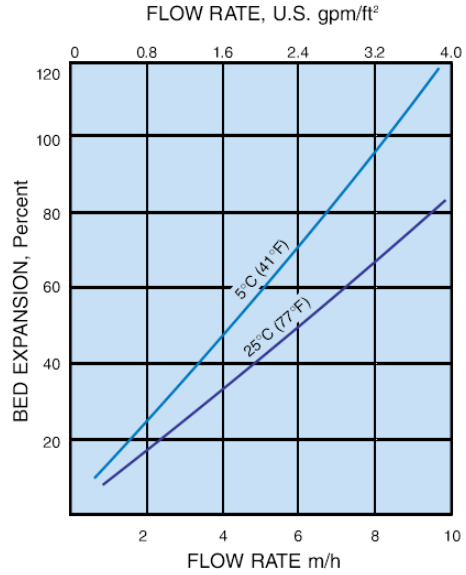


Fig 2. Backwash Expansion

**Pressure Drop and Backwash Curves for Purolite® PFA400**

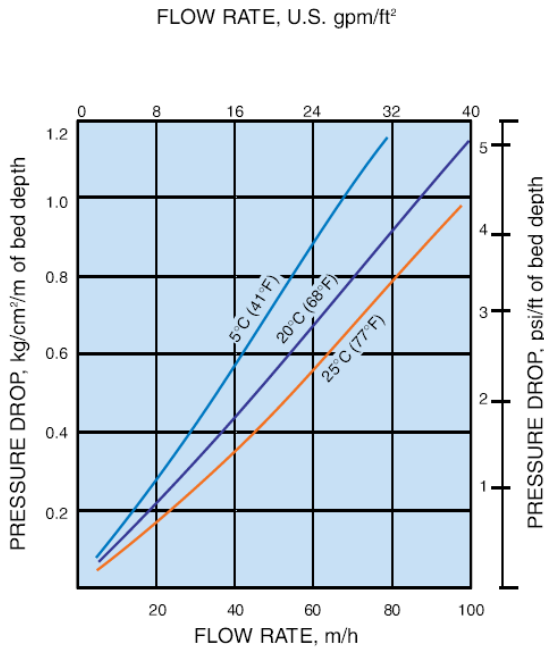


Fig.3 Pressure Drop Versus Flowrate

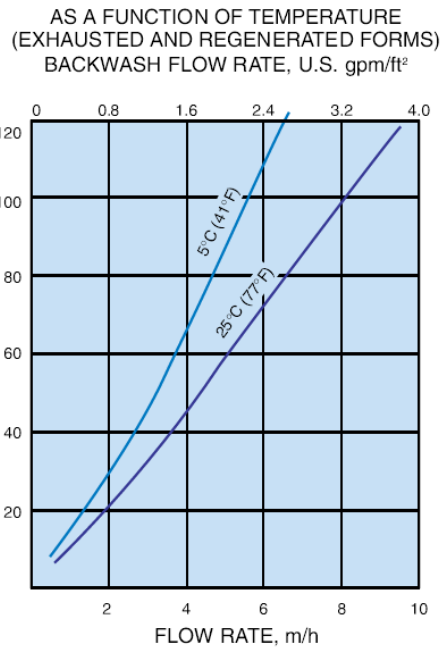


Fig 4. Backwash Expansion



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PuroLite Corporation was founded in 1981 and is a leading manufacturer of ion exchange, catalyst, adsorbent and specialty resins and the only company to focus exclusively on this market. Headquartered in Bala Cynwyd, PA, the company has ISO-9000:2001 certified sales offices in more than 30 countries as well as manufacturing and R&D facilities in the USA, China and Romania. PuroLite also has a dedicated central research and development facility in the United Kingdom.

PuroLite has been a member of the Water Quality Association since 1982 and manufactures more than 400 different ion-exchange-resins, catalysts and adsorbents. It produces resins for the sweetener/sugar, beverage, bottled, municipal water, ultra-pure water, petrochemical refining, mining, bio-fuel, nuclear power, pharmaceutical, metals finishing, microelectronics, food and other industries.

*For more information visit our WEBSITE: <http://www.purolite.com>*

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