Introducing Pep Active

What is it?
An inorganic media with a negative zeta potential which provides accurate and efficient filtration.
- Processed to optimize size and provide a unique shape and activated to significantly increase surface area over other media options
- Negatively charged to adsorb organics and small particles
- Permanent zeta potential creates high redox potential which makes Pep Active self-sterilizing

Benefits and advantages:
- **Pep Active removes particles down to ~ 2 micron**
  - No pressure loss increase with this increased performance
- **Negative charge eliminates:**
  - Bio-fouling and channeling of the media
- **Filter performance is superior:**
  - No accumulation of material on or in media
- **Major life cycle cost savings over other media:**
  - Media service life of up to 15 years
  - Up to 50% less water used for backwash
  - Shallow media depth improves backwash efficiency
  - Activated media enhances chemical performance
  - Rapid backwash reduces energy consumption
- **No chemical regeneration required – zeta potential is regenerated with a simple backwash**
- **NSF-61 & NSF-50 certified**

Recommended operating parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. operating differential pressure</td>
<td>5-7 PSI</td>
</tr>
<tr>
<td>Backwash duration</td>
<td>1.5-3 minutes</td>
</tr>
<tr>
<td>pH limits</td>
<td>3-9</td>
</tr>
<tr>
<td>Temperature limits</td>
<td>33.8 – 212°F (not considering vessel)</td>
</tr>
</tbody>
</table>

Contact our Amiad team for further information
Tel. 704-662-3133
Fax. 704-662-3155
infousa@amiad.com
www.amiadusa.com

Amiad Water Systems
120-J Talbert Road
Mooresville, NC 28117
Pep Active: see the difference

Sand has 100% bacteria coverage after 3 days in a drinking water system. High levels of bacteria (bio-fouling) reduce filter performance and increase chemical demand.

Pep Active stays free of bacteria bio-fouling, even after 5 years in sewage effluent.

Applications:

<table>
<thead>
<tr>
<th>Application</th>
<th>Contaminant removal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drinking water</td>
<td>Iron, manganese, arsenate, chemicals, turbidity, TSS</td>
</tr>
<tr>
<td>Municipal wastewater</td>
<td>Phosphorous, bacteria, BOD, COD, TOC, turbidity, TSS</td>
</tr>
<tr>
<td>Industrial process water</td>
<td>Organic pollutants, oils, TSS, VSS, turbidity, TSS</td>
</tr>
<tr>
<td>Industrial wastewater</td>
<td>Colors, fine fibers, mineral oils, turbidity, TSS</td>
</tr>
<tr>
<td>Aquaculture</td>
<td>Organics, bacteria, BOD, COD, TOC, turbidity, TSS</td>
</tr>
</tbody>
</table>

Proven results:

Pep Active pilot results - turbidity reduction from piloting at a SWRO facility, DAF effluent polishing

![Turbidity Reduction Graph](image)

Copyright © 2013 Amiad Water Systems Ltd. All rights reserved. The contents of this catalogue including without limitations all information and materials, images, illustrations, designs, icons, photographs, graphical presentations, designs, literary works, data, drawings, slogans, phrases, names, trademarks, titles and any other such materials that appear in this catalogue (collectively, the “Contents”) are the sole property of Amiad Water Systems Ltd. (“Amiad”). Amiad has sole and exclusive right, title and interest in the Contents, including any intellectual property rights, whether registered or not, and all know-how contained or embedded therein. You may not reproduce, publish, transmit, distribute, display, modify, create derivative works from, sell or participate in any sale of, or exploit in any way, in whole or in part, any of the Contents or the catalogue. Any use of the catalogue or the Contents, other than for personal use, requires the advanced written permission of Amiad.