

Leopold[®] Engineered Filter Media[®] Products

LOW-UC ANTHRACITE FILTER MEDIA FOR LOWER OPERATING COSTS,
LESS WATER LOST TO BACKWASH



All anthracite filter media is not the same. Leopold engineered anthracite filter media is better!



More saleable water produced at a lower cost

You know that the more uniform the size of your filter media, the more efficient your filter runs. The lower the uniformity coefficient (UC), the longer the filter run. The better the effluent quality. And the lower the backwash rate.

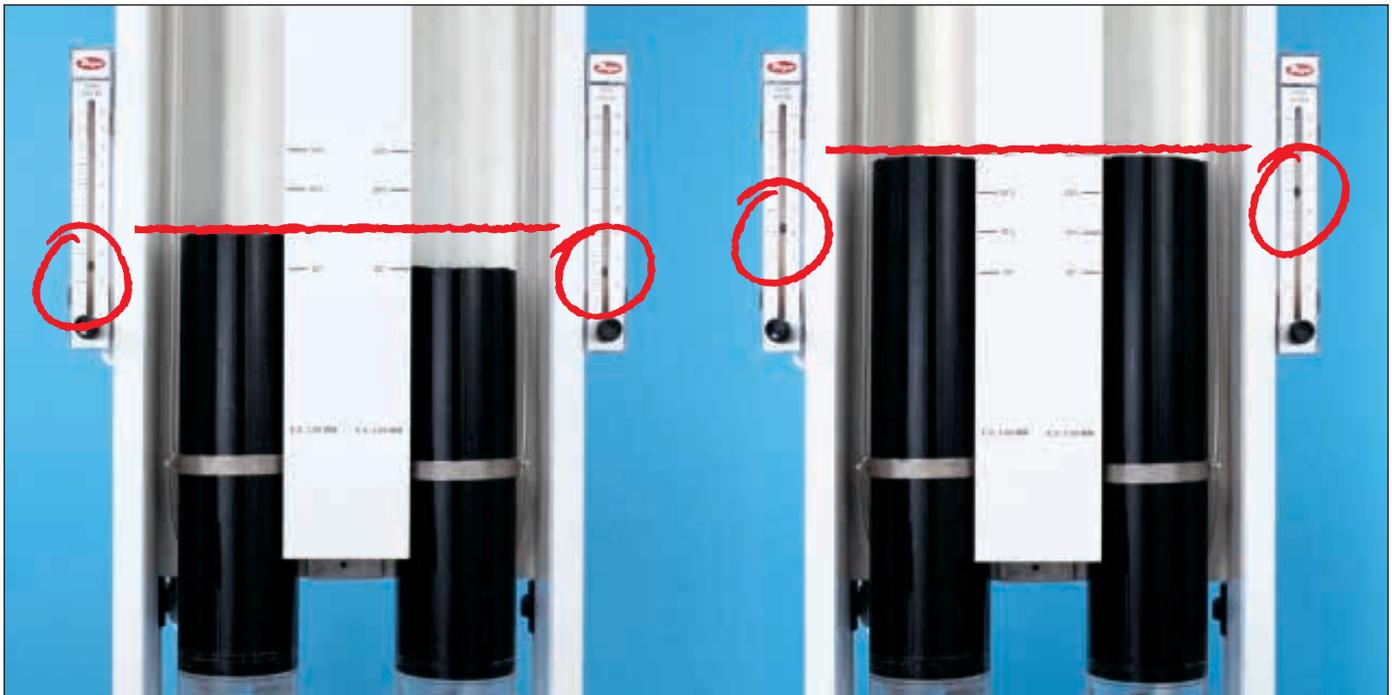
This means more saleable water produced at a lower cost of operation.



Leopold, with its state-of-the-art anthracite filter media processing facility, can deliver the lowest UC anthracite filter media available on the market today. This means you can operate your water plant longer before backwashing. And when you backwash, you'll use less filtered water.

This reduction in backwash frequency has the added advantage of reducing media attrition over time.

Moreover, low-UC anthracite filter media extends the life of your filter before the media must be changed out. Low-UC anthracite typically produces consistent improvements in turbidity removal, due, in part, to more efficient solids loading. Plus, low-UC media produces smaller changes in effluent turbidity during periods of peak influent turbidity.



See the difference a low-UC anthracite filter media makes in filter backwash rates. On the left, a 20-inch bed of low-UC anthracite fluidizes 10% more than the same bed depth of high-UC anthracite at an equivalent backwash rate. On the right, high-UC anthracite requires almost twice the water to fluidize to an equivalent depth.

Leopold pioneered the dry production of low-UC anthracite

State-of-the-art processing makes the difference

Leopold® Engineered Filtered Media® products are processed in a unique, state-of-the-art facility specifically designed to produce low-UC filter media. And what truly sets us apart from most other media processors is moisture reduction prior to screening. Reducing the moisture in the raw feedstock greatly enhances screening efficiencies, enabling us to produce ten distinct anthracite media sizes, all with UCs below 1.30.

Each media size is directed to one of ten 50-ton internal storage silos, from which it can be dispensed using computer-controlled gravimetric weigh feeders. By operating two or more feeders in proportion, we can produce precise media gradations rapidly and effortlessly.

And our flexible media packaging systems offer greater variations in packaging formats to meet your specific requirements.



Produced from the highest-quality anthracite

Leopold Engineered Filter Media anthracite is produced from the highest quality anthracite available to assure the physical characteristics of hardness, durability, and performance.

We purchase our feedstock directly from select mines chosen for the quality of their anthracite. Knowing the quality of feedstock we're processing helps us to control the quality of filter media we deliver to you.

Leopold media is NSF-approved, meets or exceeds the AWWA Standard for Granular Filter Material, and can be processed to meet the most demanding physical and chemical specifications. Comprehensive testing confirms the quality of our media through each phase of production.

Pay for shipping anthracite media, not water

Normally the anthracite media you purchase can include 10% to 15% water by weight. That means you're getting only 85% of what you've paid for. It also means you're paying to ship as much as 15% water by weight.

But not when you specify and purchase Leopold anthracite filter media. Because we reduce the moisture in the raw feedstock, we ship more anthracite, less water.



Benefit from Leopold experience

Low-UC anthracite filter media isn't the only reason to look to Leopold for your filter media needs. There's another: Leopold experience.

Leopold expertise

There's no substitute for experience in solving problems . . . or in preventing them in the first place.

With more than seven decades of experience in water filtration technology, and nearly 1,800 engineered anthracite filter media installations, Leopold is well ahead of the learning curve. Our products and services encompass nearly every aspect of water filtration. And more than 6,000 American cities and towns have water filtration plants featuring Leopold products.

So when you're faced with filtration problems Leopold probably already has the answer.

We're your single-source media supplier

Leopold readily supplies a full scope of media for your filter, including:

- Filter anthracite in all sizes and UCs
- Silica support gravel
- Silica filtration sand
- High-density support gravel
- High-density filtration sand
- Manganese greensand
- Granular activated carbon (GAC)

And we put the same attention to quality and customer service behind these materials as we do our engineered anthracite filter media.



Media eductor units

Leopold has equipment available for rental to slurry new media into your filters. This equipment saves time in handling and installing cubic-foot bags of media and speeds up the installation process. This equipment also overcomes many constraints of rehabilitating filters in enclosed facilities.

Field services

Our experienced technicians are available to supervise the proper installation of your Leopold engineered filter media.

Media testing and evaluation services

Our goal is to help you produce more saleable and better quality water at a lower cost of operation. That's why we offer media testing and evaluation services.

We'll assist you in taking core samples of existing media. Then, in our physical testing laboratory, we can test the media for the physical and chemical characteristics to determine the condition of the current media versus the original specification. In addition, using both our physical testing laboratory and our research and development facilities, we can imitate most filter conditions and operations in order to evaluate filter and media performance.

Insure quality, specify Leopold as your single source for:

- Filter equipment
- Fiberglass products
- Filter controls
- Instrumentation
- Clarification
- Service
- Pre-engineered systems
- Filter media
- Filter rehabilitation

Xylem, Inc.
227 South Division Street
Zelienople, PA 16063
Telephone: (724) 452-6300
Fax: (724) 452-1377
www.xylem.com

