



TST WATER

"The Total Solution Technology Company"

PREMIUM CARBON BLOCKS™

Premium Carbon Blocks™ have exceptional performance & consistent quality not found in most carbon blocks available today at any price.



Our blocks are produced using the highest quality materials and a unique multi-step compression molding process. The result is a consistent product having high capacity for a wide range of contaminants, low pressure drop and great dirt holding capacity. **Premium Carbon Blocks™** is the perfect choice for all your POU and Reverse Osmosis applications.

Quality is of the utmost importance for **Premium Carbon Blocks™** and is first and foremost in all of our manufacturing processes. We document and control our raw materials including bulk density, melt index, particle size distribution, ash content and iodine value. All materials are tracked by lot and can be traced from the product back to the source.

The unique molding process also allows us to produce a wide range of block sizes and shapes for OEM applications. With this flexibility in carbon block design, unique product and vessel design possibilities are endless. **Premium Carbon Blocks™** are uniquely positioned to be the leading OEM products in the industry. Call us with your special requirements

Our staff stands ready to supply you with information on our products and to help you with your OEM needs. We are happy to provide industry leading support and service on the products we sell!

Product Features

- Validated by WQA
- High Quality Coconut Shell GAC
- High Reduction Capacity
- Low Pressure Drop
- Great Dirt Holding Capacity
- Unique Sediment Outer Wrap
- Consistent Quality Guarantee
- In-house Test Lab
- Tremendous Value



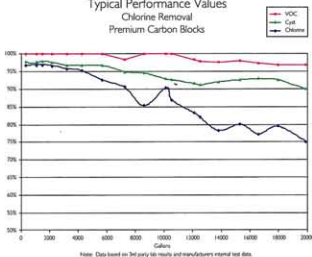
Use Premium Carbon Blocks in all POU and Reverse Osmosis applications.

Performance

Premium Carbon Blocks™ do indeed provide premium performance. Looking at the performance of an industry standard 2.5' x 10" cartridge filter designed for CTO (Chlorine, Taste & Odor), most comparable cartridges provide 3,000 to 6,000 gallons. The BL10CTO block capacity is 20,000 gallons.

See chart at right for performance curves on 2.5'x10" blocks. Data on other sizes is available upon request.

Typical Performance Values
Chlorine Removal
Premium Carbon Blocks

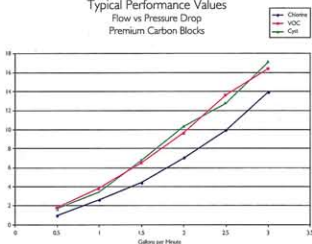


Pressure Drop

Pressure drop has become a critical element in the usefulness of today's high performance blocks. The dual requirement for low pressure drop and cyst performance, given tougher NSF requirements, has left many manufacturers struggling to provide cyst capabilities in a block with low pressure drop. We have measured competitor's cyst rated blocks as high as 60 psid. Our unique manufacturing process, which includes the use of media surface treatments prior to block manufacture, allow us to produce blocks with excellent cyst performance with low pressure drop and high dirt holding capacity compared to our competition.

See chart at right for performance curves on 2.5'x10" blocks.

Typical Performance Values
Flow vs Pressure Drop
Premium Carbon Blocks



Materials of Construction

Premium Carbon Blocks™ are constructed from the highest quality coconutshell carbons and specially selected binders and proprietary medias to provide some of the best performing blocks in the industry. All materials comply with and/or have been tested to NSF Standard 42 extraction test protocols.

In a "nutshell" **Premium Carbon Blocks™** are some of the highest quality blocks you can buy today. We incorporate unique industry leading technologies in our blocks and we look closely at things other companies are not even discussing. Things like matching the surface "morphology" of the binders and the carbons to enhance performance and using special proprietary surface treatments to provide performance parameters not usually available in carbon block products today. In fact we can produce products like pour-through carbon blocks which many customers tell us are unavailable through other manufacturers today. Our blocks are competitively priced and will provide you with performance that will exceed your expectations.

Call us today to discuss your application needs.

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