



# Chloramine Reduction Carbon Block Technology

## Sediment-wrapped Carbon Block Filter

Designed for residential and light commercial water treatment applications

Atlas Filtri® RE4520CLM, CB-AF BIG CLM 20 SX 1 Micron is a double open-ended (DOE) filter cartridge, designed to perform with a minimal pressure drop. It also has a high adsorptive capability and efficiently reduces chlorine, chloramines, and contaminants such as detergents, herbicides, pesticides THM's and varying chemicals commonly found in water. It offers a high dirt holding capacity and shorter flush time than standard blocks. The filter is offered in 20" with a nominal filtration rating of 1-micron.

Wrapped around the outside of the carbon block is a sediment filter to reduce particulate build-up on the surface. This prolongs the life of the block in high dirt load applications. The carbon block filter has been tested and certified under NSF/ANSI Standard 42 as shown at the bottom right of the page.

Performance and product specifications are based upon the filter being integrated with a complete system. This system includes filter, housing, fittings, tubing and connected to a regulated pressurized water source. Filter requires five minutes of flushing before use. Refer to system installation and operation manual for proper installation and filter replacement process. It is essential to follow operational, maintenance, and filter replacement procedures to ensure proper filter performance.

Cartridge capacity may vary according to flow rate, inlet line pressure and local water conditions, which may require more frequent cartridge replacement. Do not use with water that is micro-biologically unsafe or of unknown quality without adequate disinfection before or after the system. The contaminants or substances reduced by this filter are not necessarily in your water.

Atlas Filtri is driven to providing our customers with the best available products to meet their filtration requirements. This is done by using the most advanced manufacturing and design methods. The international patents received come from a constant commitment to research and develop that result in new and innovative products.

Check out more about Atlas Filtri at [us.atlasfiltri.com](http://us.atlasfiltri.com).



**Chloramine Reduction  
Carbon Block Filter  
Cartridge  
4.5" x 20"  
1-Micron**



CB-AF series is tested and certified by NSF International against NSF/ANSI Standard 42 for materials requirements only

### Features

### Specifications

#### **Sediment Wrap Carbon Block Filter Cartridge:**

- Designed for residential and light commercial filtration applications
- Designed for chloramine and chlorine reduction
- Reduction of sediment in the water down to 1-micron nominal
- Standard double open-ended (DOE) design
- Green color-coded caps and label for easy identification

#### **Materials:**

Filter Construction:  
- Catalytic Coconut Shell Carbon Filter Media

#### **Working Conditions:**

Working Temperature Range:  
Min 39.2°F (4°C) – Max 177°F (80.6°C)

#### **Media Temperature Range:**

Max 220°F (104°C) in heated environment  
(Boiler Recirculation)

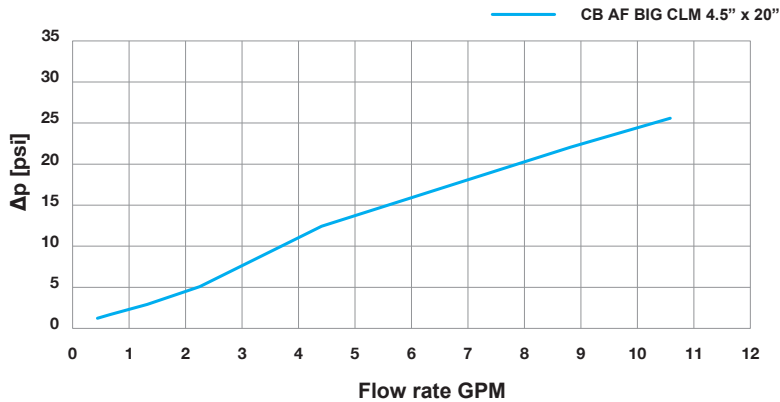


## PRODUCTS SPECIFICATIONS and PERFORMANCE

Listed CB AF CLM are standard double open-ended models

PART NO.	MODEL	OD X LENGTH NOMINAL	MICRON NOMINAL	INITIAL PRESSURE DROP @ FLOW RATE	CAPACITY
RE4520CLM	CB-AF Big CLM 20 SX 1-micron	4.5" X 20"	1	1.4 psi @ 4.5 gpm	34,000 gal @ 7 gpm

FLOW RATE vs PRESSURE DROP  $\Delta p$  | Testing mode: 68°F - 43.5 psi (20°C - 3 bar)



### Optional Filter Housings for use with Carbon Block Scale Filter



ZA1802746 Gauges and Drain Kit  
2 Chloramine Blocks  
4 GPM @ 28,000 gallons



ZA1802745L Gauges and Drain Kit  
2 Chloramine Blocks  
4 GPM @ 28,000 gallons



ZA1803737 Gauges and Drain Kit  
2 Chloramine Blocks  
4 GPM @ 42,000 gallons



ZA1803745L Gauges and Drain Kit  
2 Chloramine Blocks  
4 GPM @ 42,000 gallons

**Note: DP Big - 1" NPT - 4.5" x 20" – Housing Kits**  
Includes the housing, bracket, wrench, and lubricant. Filter cartridges sold separately.



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