

DP BIG Whole House Lead Reduction Systems

Designed and Certified for Lead and Particulate Reduction at the point-of-entry

Atlas Filtri® DP BIG Whole House Lead Reduction Systems are point-of-entry water filtration systems designed and certified for lead and particulate reduction from the water. It also reduces VOC's*, chloramine*, and chlorine taste & odor*. Some systems reduce scale build-up* in high flow applications to provide clean, clear drinking water, while protecting pipes, appliances, and fixtures.

The multiple filtration stages include 0.5 micron, 4.5" x 20" carbon blocks made in the USA from coconut shell carbon, with an **NSF Standard 53 certified lead reduction media and NSF Standard 42 for particulate reduction**. The special lead reduction media used in the design of the carbon block ensures the reduction of lead in the water to meet government standards. Audible gallon counter ensures a timely filter replacement.

The model ZC1803733 includes a 5 micron, 4.5" x 20" sediment melt blown cartridge that includes a portion of the IAPMO Z601 certified ScaleArmor™. This media reduces scale build-up on pipes, dish washers, fixtures, washing machines, tankless and tank systems, while protecting against corrosion.

These wall mounted filtration units can be installed at the point-of-entry to accommodate flow rates up to 8-10 gpm. The unit is designed to handle a maximum pressure of 120 psi at 113°F (45°C).

Atlas Filtri is driven to providing our customers with the best available products to meet specific 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 development that result in new and innovative products.

Check out more about Atlas Filtri at atlasfiltri.com.



Model: ZC1802749

Model: ZC1803734



optional

Model: ZC1803733



Features

- Designed and certified for lead and particulate reduction in high flow filtration applications
- NSF Standard 53 certified for lead reduction
- NSF Standard 42 certified for particulate reduction
- Accommodates (2 or 3) standard 4.5" x 20" OD filter cartridges, DOE
- Optional scale reduction to 15 grain hard water for 12 months
- 1" NPT inlet and outlet fitting connections
- Includes pressure-relief feature with an O-ring seal
No spring is used that can result in water leaks due to corrosion
- Knife-edge flat washers at both cartridge ends create a positive and seal eliminating by-pass

Specifications

- **Materials:**
 - Head Connection: reinforced polypropylene
 - Housing Construction: reinforced polypropylene
 - Seal: FDA Grade Silicone O-Ring
 - Filter Construction: polypropylene & coconut shell carbon media
 - Filter Media: ScaleArmor™
- **Working Conditions:**
 - Temperature Range: 39°F - 113°F (4°C - 45°C)
 - Media temperature range of dissolved polyphosphate:
Max 220°F (104°C) in heated environment
 - Maximum Flow Rate*: 8-10 gpm (30.3-37.9 lpm)
 - Rated Capacity: 15,000 gallons @ 6 gpm flow rate (Duo)
 - Rated Capacity: 67,500 gallons @ 2 gpm flow rate (Trio)
- **Certifications:**
 - NSF Standard 53 certified for lead reduction
 - NSF Standard 42 certified for particulate reduction
 - Certified by IAPMO R&T to NSF/ANSI 42 - Material Safety and Structural Integrity only, 61, 372 - lead free, CSA B483.1.

* Based on manufacturer's internal testing

** Dependant on water conditions

PHYSICAL SPECIFICATIONS & PERFORMANCE DATA

System Part Number	Description	Size	Fittings	Box Qty	Box Size	Weight
ZC1803733	DP BIG 4.5" x 20" Trio w/ (QTY 1) RA5777608 (QTY 2) RE4520P05, 1" NPT, Bracket, Drain Kit (QTY 3), Gauges DP (QTY 4), Wrench	20"	1" NPT	1	18" x 24" x 8.5"	21.56 lb
ZC1802749	DP BIG 4.5" x 20" Duo w/ (QTY 2) RE4520P05, 1" NPT, Bracket, Drain Kit (QTY 2), Gauges DP (QTY 3), Wrench	20"	1" NPT	1	16" x 26.8" x 8.5"	17.3 lb
ZC1803734	DP BIG 4.5" x 20" Trio w/ (QTY 3) RE4520P05, 1" NPT, Bracket, Drain Kit (QTY 3), Gauges DP (QTY 4), Wrench	20"	1" NPT	1	18" x 24" x 8.5"	21.56 lb

Cartridge Part Number	Description	Scale Buildup Reduction Capacity*	Pressure Drop*	Box Qty	Box Size	Weight
RA5777608	4.5 x 20" Sediment/ScaleArmor™ 5 Micron Filter Cartridge	50,000 - 100,000 Gal @ 6 GPM	10 psid @ 6 GPM	6	21.2" x 9.8" x 14.7"	14.2 lb
RA5775608	4.5 x 10" Sediment/ScaleArmor™ 5 Micron Filter Cartridge	33,000 - 66,000 Gal @ 4GPM	6 psid @ 4 GPM	6	10.6" x 9.8" x 14.7"	7.1 lb

Cartridge Part Number	Description	Lead Reduction Capacity	VOC Reduction Capacity**	Chloramine Reduction Capacity**	Chlorine Reduction Capacity**	Pressure Drop**	Box Qty	Box Size	Weight
RE4520P05	4.5 x 20" Carbon Block Lead and Particulate Reduction 0.5 Micron Filter Cartridge	7,500 Gal @ 6 GPM 28,391 L @ 22.8 LPM	3,000 Gal @ 6 GPM 14,000 L @ 22.7 LPM	5,000 Gal @ 6 GPM 26,500 L @ 22.7 LPM	240,000 Gal @ 6 GPM 454,000 L @ 22.7 LPM	14 PSID @ 6 GPM	6	17.2" x 12.5" x 21.5"	42 lb
RE4510P05	4.5 x 10" Carbon Block Lead and Particulate Reduction 0.5 Micron Filter Cartridge	3,600 Gal @ 3.8 GPM 13,627 L @ 14.4 LPM	15,000 Gal @ 3.8 GPM 75,000 L @ 14.4 LPM	2,500 Gal @ 3.8 GPM 13,000 L @ 14.4 LPM	120,000 Gal @ 3.8 GPM 227,000 L @ 14.4 LPM	9 PSID @ 4 GPM	6	17.2" x 12.5" x 10.8"	7.1 lb

Systems also available in 10". Please contact your representative for more information.

*Based on manufacturer's internal testing. Performance claims are based on independent laboratory and manufacturer's internal test data. Actual performance is dependent on influent water quality, flow rates, system design and application. Results may vary. Micron ratings are based on > 85% removal of the given particle size. Estimated 87% reduction in scale buildup as per IAPMO Z601 Standard.

**Based on manufacturer's internal testing. Performance claims are based on independent laboratory and manufacturer's internal test data. Actual performance is dependent on influent water quality, flow rates, system design and application. Results may vary. Micron ratings are based on > 85% removal of the given particle size. Estimated capacity > 95% at 150 PPB reduction in lead > 90% reduction in chlorine at 2 ppm, > 83% reduction in chloramine at 3ppm and > 95% reduction of VOC using chloroform as a surrogate.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



Check out all of Atlas Filtri's various solutions and kits to meet the application requirement for your filtration needs at atlasfiltri.com



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