

CIC Plus Series
Carbon Impregnated
Scale Reduction Cartridges

- ✓ Effective sediment, chlorine taste and odor reduction.
- ✓ Ideal for residential, commercial, and light industrial applications.
- ✓ High performance scale protection.
- ✓ Carbon Impregnated Filter Fibers for optimal performance.
- ✓ High dirt holding capacity.
- ✓ Superior performance and cost to benefit ratio.



CIC SL SERIES CARBON IMPREGNATED SCALE REDUCTION CARTRIDGES

combine the benefits of a sediment filter with the chlorine taste and odor reduction characteristics of carbon block filters. They offer exceptional dirt holding performance and are ideal for a wide range of applications. With their dual action construction CIC SL series filters allow for the reduction of sediment, dirt, sand, silt, and rust particles while laying down a special coating for superb anti-scale protection. All material is NSF and FDA compliant and does not pose a health risk to humans or pets.

CIC SL SERIES CARBON IMPREGNATED SCALE REDUCTION CARTRIDGES

are specially designed professional grade scale prevention, sediment, chlorine taste and odor filters that incorporate PhosCoat™ media. PhosCoat™ is a specially designed media that lays down a unique coating on pipes, tank less water heaters, fixtures, Solar Hot Water Systems, Boilers, and appliances that creates a barrier which does not allow scale to materialize and attach itself to the surface. CIC SL series filters with PhosCoat™ are ideal for a wide range of residential and commercial applications where professional grade carbon, sediment reduction and scale prevention is desired.

CIC SL SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
2.75"	CIC-10SL	2.75" x 9 7/8" Carbon Impregnated Cartridge w/Phosphate, 5M	20	15 x 12.6 x 10.6	16	7.25
	CIC-20SL	2.75" x 20" Carbon Impregnated Cartridge w/Phosphate, 5M	20	15 x 12.6 x 21.25	28	12.7
4.5"	CIC-BB10SL	4.5" x 9 7/8" Carbon Impregnated Cartridge w/Phosphate, 5M	9	15.4 x 15.4 x 11	17	7.7
	CIC-BB20SL	4.5" x 20" Carbon Impregnated Cartridge w/Phosphate, 5M	6	16.4 x 11.8 x 22	19	8.6

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

NOTE: The granular activated carbon cartridges will contain a very small amount of carbon fines (very refined black powder). After installation, a new cartridge should be flushed with sufficient water to remove all traces of the fines from your water system before using the water. Each time you use your filtered water tap for drinking or cooking purposes it is recommended that you run (flush) the tap for at least 20 seconds prior to using water. This is particularly important if the water tap has not been used daily.

CIC SL SERIES

Carbon Impregnated
Scale Reduction Cartridges
Data Sheet

Materials of Construction

Filter media:	Carbon Impregnated Polypropylene Fiber Blend
Scale Prevention Media:	PhosCoat™ Food Safe Phosphate Media
Center Structural Core:	Polypropylene
End Caps:	Polypropylene
Gasket:	Buna-N
Netting:	Polypropylene

Specifications

Micron Rating:	5μ
Max. Temperature Rating:	40 °F to 80 °F (4.4 °C to 26.6 °C)
Max. Water Pressure:	80psi (5.5 bar)
Max. Differential Pressure:	50 psid at 80 °F (3.48 bar at 26.6 °C)
Cartridge Life (Residential Use):	12 months
Cartridge Life (Commercial Use):	6 months

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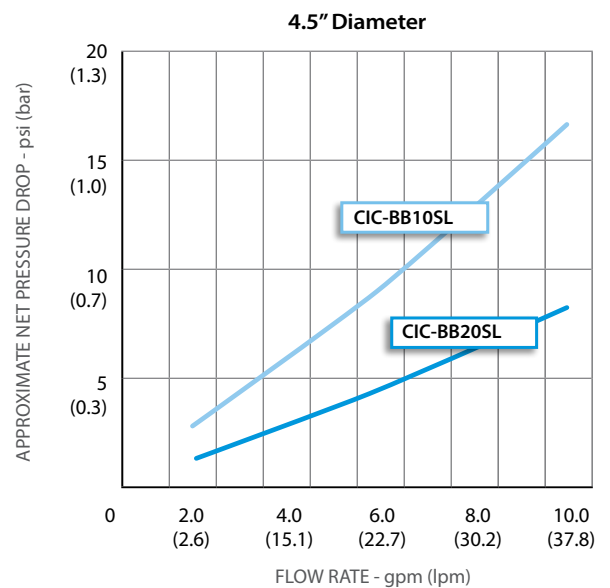
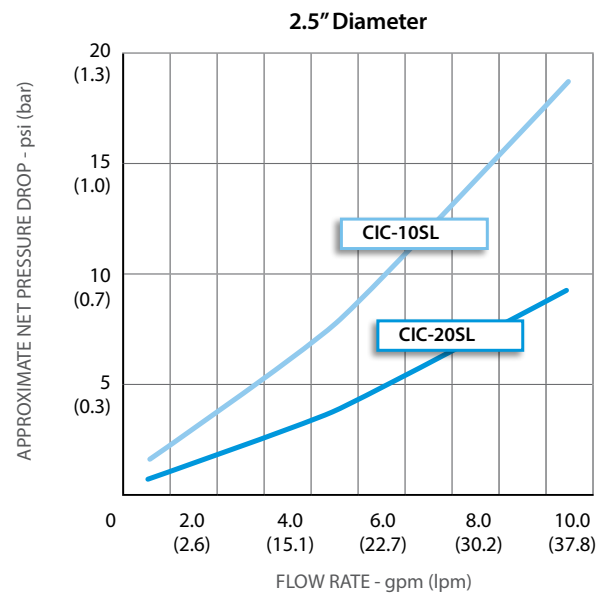


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sales@h2ofilter.com • www.h2ofilter.com

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Manufactured by Hydronix Water Technology





CB Series Carbon Block Filters

- ✓ Reduce taste, odor, chlorine and certain VOC's from drinking water*
- ✓ Nominal 0.5, 1, 5 and 10 micron available
- ✓ Great chlorine removal capacity *

HYDRONIX CB SERIES CARBON BLOCK FILTERS

are manufactured with high purity coconut shell activated carbon and are available in a wide range of lengths, diameters, and micron ratings. The carbon blocks provide an exceptional cost-to-performance value. With high chlorine reduction, great dirt-holding capacity, and greatly reduced carbon fines, you will soon make the CB series your carbon block of choice.

HYDRONIX CB SERIES CARBON BLOCK FILTERS

are ideal for point-of-use (POU) and reverse osmosis applications. These cartridges can be used in a wide range of applications such as residential, food service, commercial, and industrial. The CB Series carbon blocks are great for displacing traditional GAC (Granular Activated Carbon) and PAC (Powder Activated Carbon) filters in applications where high chlorine reduction is needed.



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

2.5" DIAMETER SPECIFICATIONS									
	Part Number	Description	Chlorine Capacity* (GALLONS)	Micron Rating Nominal*	Initial ΔP (psi) at Flow Rate (gpm)	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
5"	CB-25-0505	2.5" x 4 7/8"	3,000 at 1.0 gpm	5μ	2.0 psid at 1.0 gpm	40	16 x 13 x 11	22	9.98
	SMCB-2510	2.5" x 9 7/8"	20,000 at 0.5 gpm	0.5μ	4.0 psid at 0.5 gpm	20	16 x 13 x 11	22	9.53
10"	CB-25-1001	2.5" x 9 7/8"	6,000 at 0.75 gpm	1μ	4.0 psid at 0.75 gpm	20	16 x 13 x 11	21	9.53
	CB-25-1005	2.5" x 9 7/8"	6,000 at 1.0 gpm	5μ	2.0 psid at 1.0 gpm	20	16 x 13 x 11	20	9.07
	CB-25-1010	2.5" x 9 7/8"	6,000 at 1.5 gpm	10μ	2.0 psid at 1.0 gpm	20	16 x 13 x 11	16	7.36
	SMCB-2520	2.5" x 20"	40,000 at 1.0 gpm	0.5μ	4.0 psid at 1.0 gpm	20	16 x 13 x 22	43	19.50
20"	CB-25-2001	2.5" x 20"	12,000 at 1.5 gpm	1μ	4.0 psid at 1.5 gpm	20	16 x 13 x 22	43	19.50
	CB-25-2005	2.5" x 20"	9,000 at 2.0 gpm	5μ	2.0 psid at 2.0 gpm	20	16 x 13 x 22	37	16.78
	CB-25-2010	2.5" x 20"	9,000 at 2.5 gpm	10μ	2.0 psid at 2.0 gpm	20	16 x 13 x 22	36	16.33
30"	CB-25-3005	2.5" x 30"	15,000 at 3.0 gpm	5μ	3.0 psid at 3.0 gpm	12	12 x 10 x 31	38	17.23

4.5" DIAMETER SPECIFICATIONS									
	Part Number	Description	Chlorine Capacity* (GALLONS)	Micron Rating Nominal*	Initial ΔP (psi) at Flow Rate (gpm)	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SMCB-4510	4.5" x 9 7/8"	50,000 at 2.0 gpm	0.5 μ	4.6 psid at 2.0 gpm	9	15 x 15 x 11	31	14.06
	CB-45-1001	4.5" x 9 7/8"	20,000 at 2.5 gpm	1μ	7.0 psid at 2.5 gpm	9	15 x 15 x 11	31	14.06
	CB-45-1005	4.5" x 9 7/8"	12,000 at 3.5 gpm	5 μ	4.0 psid at 3.5 gpm	9	15 x 15 x 11	27	12.25
	CB-45-1010	4.5" x 9 7/8"	12,000 at 4.0 gpm	10 μ	4.0 psid at 4.0 gpm	9	15 x 15 x 12	24	10.89
20"	SMCB-4520	4.5" x 20"	100,000 at 2.6 gpm	0.5 μ	8.2 psid at 2.6 gpm	6	17 x 11 x 23	43	19.50
	CB-45-2001	4.5" x 20"	17,000 at 1.0 gpm	1μ	6.5 psid at 5.0 gpm	6	17 x 11 x 23	43	19.50
	CB-45-2005	4.5" x 20"	26,000 at 7.0 gpm	5 μ	4.5 psid at 7.0 gpm	6	17 x 11 x 23	38	17.24
	CB-45-2010	4.5" x 20"	26,000 at 8.0 gpm	10 μ	4.5 psid at 8.0 gpm	6	17 x 11 x 23	35	15.87

* Weights, chlorine capacity, micron rating, pressure drop, percent efficiency and initial ΔP (PSI) at flow rate tested by manufacturer and independent laboratory. Not performance tested or certified by NSF.
WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



CB SERIES

Carbon Block Filters
Data Sheet

Materials of Construction

Carbon:	Coconut shell	Inner wrap:	Polypropylene
End caps:	Polypropylene	Netting:	Polypropylene
Outer wrap:	Polypropylene	Gaskets:	Neoprene

Temperature Rating

40 °F to 180 °F (4.4 °C to 82.2 °C)

Pressure Rating

Maximum Operating Pressure:	250 psi (17 bar)
Maximum Differential Pressure:	100 psid (6.8 bar)
Collapse Pressure:	200 psid (13.8 bar)

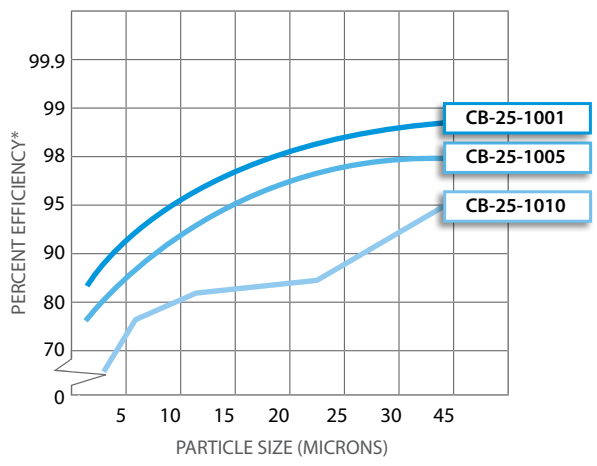
Maximum Flow Rates (gpm)

Microns	2.5" x 10"	2.5" x 20"	4.5" x 10"	4.5" x 20"
0.5	0.5	1	2	2.6
1	0.75	1.5	2.5	3
5	1	2	3.5	7
10	1	2	4	8

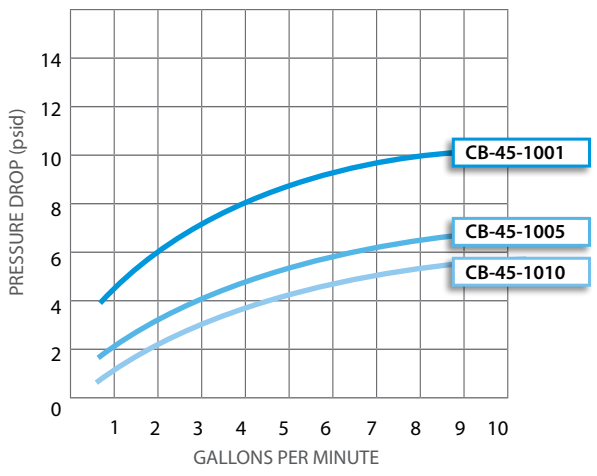
NOTE: Performance capacity depends on system design, flow rate and certain other application conditions. CB series cartridges will contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove all traces of the fines before using the water. You should run (flush) the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

NOTE: Micron ratings based on 85% or greater removal of given particle size.

2.5" Diameter x 9 7/8" Length



4.5" Diameter x 9 7/8" Length



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Manufactured by Hydronix Water Technology

SDP Series Sediment Dual Purpose Cartridges

- ✓ Excellent for point-of-entry (POE) and other high flow rate applications.
- ✓ 2.5" x 10", 2.5" x 20", 4.5" x 10" and 4.5" x 20" available.
- ✓ Effective sediment, chlorine taste & odor reduction.
- ✓ Sediment and Carbon Dual Purpose Cartridge.



HYDRONIX SDP SERIES SEDIMENT DUAL PURPOSE CARTRIDGES

are ideal for Point of Entry and applications where a higher flow rate is needed. The radial flow design offers the benefit of granular activated carbon (GAC) filtration combined with outer and inner spun polypropylene filtration for reduced sediment and reduced carbon fines.

HYDRONIX SDP SERIES SEDIMENT DUAL PURPOSE CARTRIDGES

are constructed with a 25 micron polypropylene outer shell, polypropylene inner core and end caps. SDP Series cartridges offer lower pressure drop while reducing the release of carbon fines.

SDP SERIES SPECIFICATIONS				
	Part Number	Description	Volume	Weight
2 1/2"	SDP-2510	2 1/2" x 9 3/4" Sediment Dual Purpose Cartridge	25	21
	SDP-2520	2 1/2" x 20" Sediment Dual Purpose Cartridge	12	21
4 1/2"	SDP-4510	4 1/2" x 9 3/4" Sediment Dual Purpose Cartridge	12	24.5
	SDP-4520	4 1/2" x 20" Sediment Dual Purpose Cartridge	6	22

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

NOTE: The granular activated carbon cartridges will contain a very small amount of carbon fines (very refined black powder). After installation, a new cartridge should be flushed with sufficient water to remove all traces of the fines from your water system before using the water. Each time you use your filtered water tap for drinking or cooking purposes it is recommended that you run (flush) the tap for at least 20 seconds prior to using water. This is particularly important if the water tap has not been used daily.

SDP SERIES

Sediment Dual Purpose Cartridges
Data Sheet

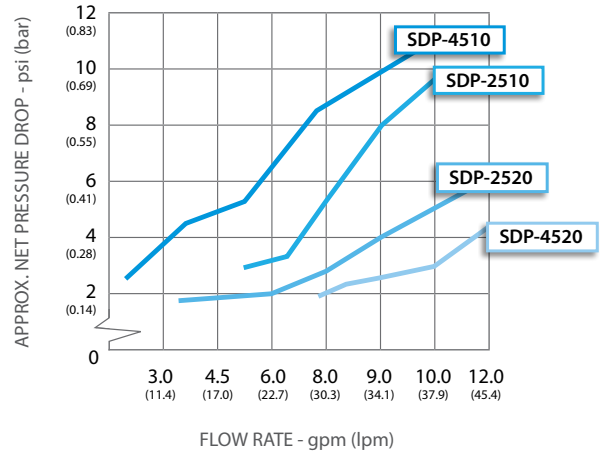
Materials of Construction

Filter Media:	Granular Activated Carbon
Outer Shell:	Polypropylene
End Caps:	Polypropylene
Inner Wraps-Core:	Polypropylene
Gasket:	Buna-N

Temperature Rating

Temperature Range: 40 °F to 125 °F (4.4 °C to 51.7 °C)

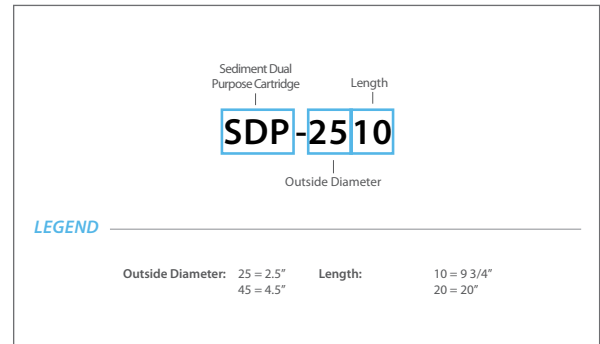
SDP SERIES - Flow Chart



SDP SERIES SPECIFICATIONS

Item Number	Initial ΔP (psi) at Flow Rate (gpm)	Chlorine Taste & Odor Reduction at Flow Rate
SDP-2510	.6 psi at 1 gpm (.04 bar at 3.8 L/min)	> 5,000 gallons at 1 gpm (18,927 liters at 3.8 L/min)
SDP-2520	.6 psi at 2 gpm (.04 bar at 7.6 L/min)	> 10,000 gallons at 2 gpm (37,854 liters at 7.6 L/min)
SDP-4510	.9 psi at 2 gpm (.06 bar at 7.6 L/min)	> 50,000 gallons at 2 gpm (189,270 liters at 7.6 L/min)
SDP-4520	.9 psi at 4 gpm (.06 bar at 15.1 L/min)	> 100,000 gallons at 4 gpm (378,541 liters at 15.2 L/min)

Model # Guide



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Manufactured by Hydronix Water Technology

DI Series Deionization Filters

- ✓ Up to 6,800 gallons of high purity water*
- ✓ Available in 2.5"x10", 2.5"x20", 4.5"x10", and 4.5"x20"
- ✓ Up to 18 megaohms for high purity water applications
- ✓ High purity water for washing, rinsing, scale control or as a final polishing filter.
- ✓ 4.5" x 20" Perfect for water stores, water stations, and bottlers



HYDRONIX DI SERIES FILTERS

are ideal for use in a variety of applications where high purity water is needed. DI Series Deionization filters provide a reliable solution for all of your high purity requirements in washing, rinsing, scale control and are excellent as a final polishing filter.

HYDRONIX DI SERIES FILTERS

are made with High Grade Mixed Bed Resin to ensure optimal performance, durability, and consistent high purity water. DI Series Deionization filters can be used in a wide range of applications where high purity water is required and offer a up to 6,800 gallons* of high purity water.

* Model DI-4520C @ 1.5gpm with 5ppm TDS inlet water.

INLINE DEIONIZATION (DI) RESIN FILTER - 2" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	DI-2010C	2" X 10" Inline Deionization (DI) Resin Filter, Clear	25	14 x 14 x 12.75	25	11

DEIONIZATION (DI) RESIN FILTER - 2.5" & 4.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	DI-2510C	2.5" X 10" Deionization (DI) Resin Filter, Clear	25	16.75 x 11.5 x 16.75	25	11
	DI-4510C	4.5" X 10" Deionization (DI) Resin Filter, Clear	12	18.5 x 11.25 x 14.25	25	11
20"	DI-2520C	2.5" X 20" Deionization (DI) Resin Filter, Clear	12	13 x 21.5 x 10	25	11
	DI-4520C	4.5" X 20" Deionization (DI) Resin Filter, Clear	6	14.25 x 21.5 x 10	25	11

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

PERFORMANCE SPECIFICATION							
	Part Number	Operating Flow Rate (gpm)	Maximum Flow Rate (gpm)	Total Capacity (Grains as CaCO ₃)	Estimated Gallons (220 ppm)	Estimated Gallons (5 ppm)	Typical Effluent (Resistivity)
10"	DI-2510C	0.2	0.3	450	33	1,320	14 - 18 MΩ-cm
	DI-2520C	0.2	0.6	900	66	2,640	14 - 18 MΩ-cm
20"	DI-4510C	0.5	0.8	1,050	75	3,000	14 - 18 MΩ-cm
	DI-4520C	0.5	1.5	2,350	170	6,800	14 - 18 MΩ-cm

Benefits

- Filters fit standard residential & commercial housings
- High grade resin for efficient performance
- Can be used for washing, rinsing, scale control, spot free water, consistent high purity water
- Easily connects to an existing RO system.

Materials of Construction

- Gasket: Buna-N
- End Caps: High Impact Polystyrene
- Pads: Polypropylene
- Body/Tube: Acrylonitrile Butadiene Styrene (ABS)
- Filter media: AQUATROL™ MB6040SG Resin

Operational Data

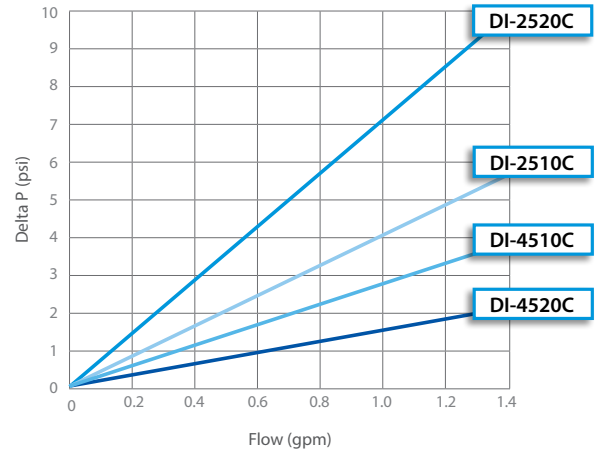
- Min. Pressure: 20 psi
- Max. Pressure: 125 psi
- Micron Rating: 25 μ

Temperature Rating

- 40 °F to 100 °F (4.4 °C to 38 °C)

DI SERIES DIMENSIONS		
Part Number	Diameter (in.)	Length (in.)
DI-2510C	2.5"	10"
DI-2520C	2.5"	20"
DI-4510C	4.5"	10"
DI-4520C	4.5"	20"

Mixed Bed Delta P



DI-2010C



DI-2510C



DI-4510C

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