EPM Series Modified Epsilon Carbon Briquette Cartridges

- Nominal 10-micron rating.*
- Highest carbon block dirt holding capacity for maximum cartridge life.*
- Bad taste & odor and chlorine taste & odor reduction.*
- Lowest pressure drop.
- Economically priced.

EPM Series cartridges are a modified version of our "EP Series" cartridge. An economical price makes this cartridge suitable for taste, odor and chlorine taste & odor reduction, as well as sediment filtration.*

EPM Series cartridges are manufactured using a patented process that yields a cartridge with a nominal 10-micron filtration rating, high porosity and greater chlorine removal capacity than competitive 10 micron carbon blocks. The high porosity design helps prevent the cartridge from plugging before its adsorption capability is exhausted, maximizing the utilization of the carbon while maintaining low pressure drop.

They are an ideal choice for a wide range of residential, food service, commercial and industrial applications. They also make excellent polishing filters or pre-filters in applications requiring fine filtration and high capacity.

EPM Series cartridges are manufactured entirely from FDAcompliant materials making them an ideal choice for a wide range of residential, food service, commercial and industrial applications.

* Based on manufacturer's internal testing.





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

Item #	Description	Maximum Dimensions	Micron Rating (Nominal)*	Initial ∆P (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)*
15563443	EPM-10	2-7/8" x 9-3/4" (73mm x 247mm)	10	1.5 psi @ 1 gpm (0.10 bar @ 3.8 lpm)	>3,000 gallons @ 1 gpm (>11,400 liters @ 3.8 lpm)
15563543	EPM-20	2-7/8" x 20" (73mm x 508mm)	10	1.0 psi @ 2 gpm (0.07 bar @ 7.6 lpm)	>6,000 gallons @ 2 gpm (>22,700 liters @ 7.6 lpm)
15578243	EPM-BB	4-5/8" x 9-3/4" (117mm x 247mm)	10	5.0 psi @ 2 gpm (0.35 bar @ 7.6 lpm)	>15,000 gallons @ 2 gpm (>56,750 liters @ 7.6 lpm)
15578343	EPM-20BB	4-5/8" x 20" (117mm x 508mm)	10	4.0 psi @ 4 gpm (0.28 bar @ 15 lpm)	>30,000 gallons @ 4 gpm (>113,500 liters @ 15 lpm)

Materials of Construction

- Filter MediaBonded PAC
- NettingPolyethylene
- End CapsPolypropylene
- GasketsBuna-N • Temperature Rating ...40°F to 180°F (5°C to 83°C)
- Outer Wrap.....Polyolefin
- NOTE: Performance capacity depends on system design, flow rate and certain other application conditions.
- NOTE: When greater chlorine reduction is needed, use the standard EP series blocks.

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

NOTE: EPM-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.

US Patent No. 5,976,432 & 5,823,668





Chloramine Reduction Carbon Cartridges

- Utilizes advanced activated carbon technology which results in excellent chloramine as well as superior chlorine reduction.
- CRFC20BB Radial Flow Cartridge.
- CGAC-10 Granular Activated Carbon Cartridge.
- ChlorPlus Series Carbon Briquette Cartridges.

PENTEK[®] offers three different product solutions for chloramine reduction. Chloramine is increasingly becoming more common as an alternative to chlorine for water treatment.

The CGAC-10 cartridge utilizes traditional granular activated carbon and is used for basic applications where chloramine must be removed. The construction of this cartridge allows water to pass evenly over a large bed of carbon while minimizing channeling or bypass.

The ChlorPlus[™] carbon block cartridges will help reduce sediment while providing greater chloramine performance capacities than granular carbon. They will also significantly reduce the carbon fines found in many granular canisters.

The CRFC20-BB heavy duty radial flow cartridge measures 4-1/2" in diameter and 20" long which is ideal for higher flow rate and capacity applications. This cartridge incorporates a 70 micron porous polypropylene outer shell and a spun polypropylene-wrapped core. The bed of granular activated carbon (GAC) between the outer shell and core creates a unique radial flow design which effectively removes chloramine, has a low pressure drop, and helps to reduce fines commonly seen in GAC style cartridges.



B CGAC-10 ChlorPlus 20

All three products utilize advanced activated carbon technology which allows excellent chloramine reduction as well as superior chlorine reduction. The variety of sizes and capacities offered by PENTEK chloramine reduction cartridges make them ideal solutions for both point-of-entry (POE) and point-of-use (POU) applications.

Item #	Description	Maximum Dimensions	Micron Rating (Nominal)*	Initial ∆P (psi) @ Flow Rate (gpm)	Chlorine Taste & Odor Reduction @ Flow Rate	Chlorine Reduction @ Flow Rate (gpm)*
25541643	ChlorPlus10	2-7/8" x 9-3/4" (73mm x 248mm)	1	6 psi @ 1 gpm (0.41 bar @ 3.8 lpm)	>100,000 gallons @ 1 gpm (>378,500L @ 3.8 lpm)†	>3,000 gallons @ 1 gpm (>11,400 liters @ 3.8 lpm)
25541743	ChlorPlus20	2-7/8" x 20" (73mm x 508mm)	1	6 psi @ 2 gpm (0.41 bar @ 7.6 lpm)	>100,000 gallons @ 2 gpm (>757,000L @ 3.8 lpm)†	>6,000 gallons @ 2 gpm (>22,700 liters @ 7.6 lpm)
15566143	CGAC-10	2-7/8" x 9-3/4" (73mm x 248mm)	20	20 psi @ 1 gpm (1.38 bar @ 3.8 lpm)	>30,000 gallons @ 1 gpm (>113,500L @ 3.8 lpm)†	>15,000 gallons @ 2 gpm (>56,750 liters @ 7.6 lpm)
35505643	CRFC-BB	4-1/2" x 9-3/4" (114mm x 248mm)	20	2.5 psi @ 2.5 gpm (0.17 bar @ 9.5 lpm) <1 psi @ 1.5 gpm (<.07 bar @ 9.5 lpm)	>10,000 gallons @ 2 gpm (>37,900L @ 7.6 lpm)†	>30,000 gallons @ 4 gpm (>113,500 liters @ 15 lpm)
15596743	CRFC20-BB	4-1/2" x 20" (114mm x 508mm)	20	2.5 psi @ 2.5 gpm (0.17 bar @ 9.5 lpm) <1 psi @ 1.5 gpm (<.07 bar @ 9.5 lpm)	>200,000 gallons @ 4 gpm (>757,000L @ 15 lpm)†	>30,000 gallons @ 4 gpm (>113,500 liters @ 15 lpm)

Materials of Construction ChlorPlus

CGAC-10

CRFC-BB/CRFC20-BB

• Filter Media	Advanced Bonded PAC	Advanced Granular Activated	Advanced Granular Activated
• End Caps	Polypropylene	Polystyrene	Polypropylene
• Inner Wrap/Core	Polyolefin	N/A	Spun Polypropylene
Outer Wrap/Shells	Polyolefin	Polystyrene	Polyethylene
• Expansion Pad	Ň/A	Polypropylene	N/A
• Post Filter	N/A	Spun Polypropylene	Spun Polypropylene
• Netting	Polyethylene	N/A	N/A
Gaskets	Buna-N	Buna-N (top) Santoprene (bottom)	Buna-N
Temperature Rating	40°F to 125°F (5°C to 52°C).	40°F to 180°F (5°C to 83°C)	40°F to 125°F (5°C to 52°C)

WARNING: For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: Some harmless bacteria will attack cellulose media cartridges. If your cartridge seems to disintegrate, or has a musty or moldy odor, switch to a synthetic media cartridge or consult the manufacturer.

***NOTE:** Estimated capacity tested at given flow rate using 2 ppm free available chlorine to 0.5 ppm breakthrough. **NOTE:** Increased flow rates may result in less effective chlorine reduction.



GAC Series Granular Activated Carbon Cartridges

- Effective bad taste & odor and chlorine taste & odor reduction.*
- Designed for maximum adsorption.
- Post-filter to reduce carbon fines.
- Available in a variety of sizes and flow rates.

GAC Series cartridges effectively reduce unwanted tastes, odor and chlorine from your drinking water.* They are designed to allow maximum contact between the water and carbon, ensuring maximum adsorption.

The construction of the cartridge allows water to enter at one end and pass through the entire length of the carbon bed before exiting the other end of the cartridge, while an internal expansion pad minimizes channeling or bypass. Before the water exits the cartridge, a 20-micron post-filter helps reduce carbon fines and other suspended particles from the filtered water. The post-filter is permanently fastened to an innovative support basket ensuring that it is firmly secured and eliminating any potential for bypass.

GAC Series cartridges are available in a variety of sizes and flow rates, and effectively provide good general purpose drinking water filtration.

* Based on manufacturer's internal testing.



GAC-10

GAC-BB



The GAC-10 and GAC-20BB are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

ltom #	Description	Maximum	Initial∆P psi @ Flow Rate GPM	Chlorine Reduction
	Description	Dimensions		
15511003	GAC-5	2-7/8" x 4-7/8" (73 mm x 124 mm)	3.0 psi @ 0.5 gpm (0.25 bar @ 1.9 lpm)	250 gallons @ 0.5 gpm (900 liters @1.9 lpm)
15510943	GAC-10	2-7/8" x 9-3/4" (73 mm x 248 mm)	7.0 psi @ 1.0 gpm (0.5 bar @ 3.8 lpm)	5,000 gallons @ 1.0 gpm (18,900 liters @ 3.8 lpm)
15511143	GAC-20	2-7/8" x 20" (73 mm x 508 mm)	16 psi @ 2.0 gpm (1.1 bar @ 7.6 lpm)	10,000 gallons @ 2.0 gpm (37,800 liters @ 7.6 lpm)
15515343	GAC-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	6.0 psi @ 2.0 gpm (0.4 bar @ 7.6 lpm)	12,500 gallons @ 2.0 gpm (47,000 liters @ 7.6 lpm)
15524943	GAC-20BB	4-1/2" x 20" (114 mm x 508 mm)	5.0 psi @ 4.0 gpm (0.3 bar @ 15 lpm)	25,000 gallons @ 4.0 gpm (95,000 liters @ 15 lpm)

Materials of Construction

- Filter MediaGranular Activated Carbon
- End CapsPolystyrene
- Post-FilterSpun Polypropylene
- Outer CasingPolystyrene

- Expansion PadPolypropylene
- GasketBuna-N (top)

Santoprene (bottom)

• Temperature Rating40°F to 125°F (4.4°C to 52°C)

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

NOTE: A drinking water cartridge may contain carbon fines (very fine black powder). After installation and before using the water, follow the instructions for flushing the cartridge to remove fines.

NOTE: It is recommended that you flush for 20 seconds prior to using the water for cooking purposes.

NOTE: Chlorine Reduction is estimated capacity using 2 ppm free available chlorine (FAC) at continuous flow with greater than 75% reduction.





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CC-10 Series Coconut Shell Granular Activated Carbon Cartridges

- Effective bad taste & odor and chlorine taste & odor reduction.*
- Greater VOC reduction than standard GAC cartridges.*
- Post-filter to reduce carbon fines.
- Available in a variety of sizes and flow rates.

CC Series granular activated carbon cartridges are an excellent choice to reduce unwanted chlorine taste & odor, and certain VOCs from potable drinking water. CC Series cartridges also reduce MTBE. They contain coconut shell based activated carbon, which produces drinking water of exceptional taste and quality and provides better VOC reduction than standard GAC cartridges.*

The construction of the cartridge allows water to enter at one end and pass through the entire length of the carbon bed before exiting the other end of the cartridge, while an internal expansion pad minimizes channeling or bypass. Before the water exits the cartridge, a 20-micron post filter helps remove carbon fines and other suspended particles from the filtered water. The post filter is permanently fastened to an innovative support basket ensuring that it is firmly secured, eliminating any potential for bypass.

CC Series cartridges effectively provide good general-purpose drinking water filtration.

* Based on manufacturer's internal testing.



This CC-10 and CC-20 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

Item #	Description	Maximum Dimensions	Micron Rating (Nominal)*	Initial ∆P psi @ Flow Rate GPM	Chlorine Reduction @ Flow Rate GPM*
15515543	CC-10	2-7/8" x 9-3/4" (73 mm x 248 mm)	20	4.5 psi @ 1 gpm (0.3 bar @ 3.8 lpm)	7,500 gallons @ 1.0 gpm (28.000 liters @ 3.8 lpm)

Materials of Construction

- Filter Media.....Granular Activated Carbon
- End CapsPolystyrene

- Expansion PadPolypropylene
- GasketBuna-N (top)

• **Temperature Rating**40°F to 125°F (4.4°C to 52°C)

- CoreSpun Polypropylene
- Outer Casing......Polystyrene
- **NOTE:** Performance capacity depends on system design, flow rate and certain other application conditions. Certain states require system registration or certification for health-related reduction claims.

WARNING: For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: A drinking water cartridge may contain carbon fines (very fine black powder). After installation and before using the water, follow the instructions for flushing the cartridge to remove fines.

NOTE: It is recommended that you flush for 20 seconds prior to using the water for cooking purposes.





Santoprene (bottom)

TSGAC Specialty Granular Activated Carbon/Phosphate Cartridges

- Effective bad taste & odor and chlorine taste & odor reduction.*
- Phosphate crystals reduce rust stains and scale deposits.*
- Designed for maximum adsorption.
- Post filter to reduce carbon fines.

TSGAC cartridges contain granular activated carbon to effectively reduce unwanted taste & odor and chlorine taste & odor, as well as phosphate crystals to reduce rust stains and scale deposits.*

The construction of the cartridge allows water to enter at one end and pass through the entire length of the carbon bed before exiting the other end of the cartridge. An internal expansion pad minimizes channeling or bypass. This design allows for maximum contact between the water and carbon, ensuring maximum adsorption.

Before the water exits the cartridge, a 20-micron post filter helps remove carbon fines and other suspended particles from the filtered water. The post filter is permanently fastened to an innovative support basket ensuring that it is firmly secured and eliminating any potential for bypass.

TSGAC cartridges provide superior performance and outstanding protection for your water lines, fixtures, major appliances and commercial equipment.

* Based on manufacturer's internal testing.



The TSGAC-10 Cartridge is tested and Certified by NSF International against ANSI/NSF Standard 42 - Conforms to material requirements.

COMPONENT

Item #	Description	Maximum Dimensions	Initial ∆P (psi) @ Flow Rate (gpm)	Chlorine Reduction* @ Flow Rate (gpm)
15513143	TSGAC-10	2-7/8" x 9-3/4" (73mm x 248mm)	2.5 psi @ 1.0 gpm (0.2 bar @ 3.8 lpm)	>2,000 gallons @ 1 gpm (7,570 liters @ 3.8 lpm)

Materials of Construction

- Filter Media Granular Activated Carbon Hexametaphosphate Crystals
- End CapsPolystyrene
- Expansion PadPolypropylene
- GasketBuna-N (top)
- Post-filter Spun Polypropylene
- Outer Casing Polystyrene

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

NOTE: A drinking water cartridge may contain carbon fines (very fine black powder). After installation and before using the water, flush the cartridge for 5 minutes to remove fines.

NOTE: It is recommended that you run the tap for 20 seconds prior to using the water for drinking or cooking purposes.



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Santoprene (bottom)

• Temperature Rating40°F to 125°F (4.4°C to 52°C)



RFC Series Radial Flow Carbon Cartridges

- Provides effective chlorine taste & odor reduction.*
- BB cartridges are ideal for point-of-entry (POE) and other high flow rate applications.
- Unique design reduces carbon fines in filtered water.
- Available in a wide variety of sizes.

RFC Series cartridges are constructed with a 70-micron porous polyethylene outer shell and durable polypropylene end caps. The 2-3/4" OD cartridges have a polypropylene core and the 4-1/2" OD cartridges incorporate a spun polypropylene core. Sandwiched between the outer shell and the core is a bed of granular activated carbon (GAC).

The unique radial flow design offers the benefits of granular activated carbon (GAC) filtration, such as low pressure drop, while at the same time significantly reducing the release of carbon fines commonly associated with GAC style cartridges.

RFC Series cartridges are available in a wide variety of sizes and are ideal point-of-entry (POE) and other high flow rate applications.

* Based on manufacturer's internal testing.



The RFC20-BB is Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.



RFC-BB

Item #	Description	Maximum Dimensions	Initial ∆P (psi) @ Flow Rate (gpm)	Chlorine Taste & Odor Reduction @ Flow Rate (gpm)*
15506543	RFC-20	2-3/4" x 20" (70 mm x 508 mm)	0.60 psi @ 2 gpm (0.04 bar @ 7.6 L/min)	> 6,000 gallons @ 2 gpm 22,700 liters @ 7.6 L/min
15514143	RFC-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	0.90 psi @ 2 gpm (0.06 bar @ 7.6 L/min)	> 35,000 gallons @ 2 gpm 132,500 liters @ 7.6 L/min
15524743	RFC20-BB	4-1/2" x 20" (114 mm x 508 mm)	0.90 psi @ 4 gpm (0.06 bar @ 15.1 L/min)	> 70,000 gallons @ 4 gpm 265,000 liters @ 15.1 L/min

Materials of Construction

- Filter MediaGranular Activated Carbon
- Outer ShellPolyethylene
- End CapsPolypropylene
- GasketBuna-N
- Inner Wraps/CorePolypropylene
- Temperature Rating40°F to 125°F (4.4°C to 51.7°C)

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 fine 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.



S1 Series Pleated Cellulose Sediment Cartridges

- Pleated design maximizes dirt-holding capacity.
- Designed for general water filtration purposes.
- Recommended for chlorinated water supplies.
- Economically priced.
- Nominal 20-micron rating.

S1 Series cartridges are manufactured from a pleated cellulose media and are designed for general water filtration purposes.

The media is pleated around a polypropylene core for added strength and the ends are immersed in a thermo-setting vinyl plastisol. Embedding and sealing each end of the pleat in this fashion fuses the three components together forming a unitized end cap and gasket.

An external netted sheath helps retain uniform pleat spacing in high flow and pulsating flow streams. The overlap seam is sonically welded to reduce bypass improving filtration efficiency.

S1 Series cartridges are economically priced and highly effective at reducing sediment particles down to 20-microns in size.



		Micron Rating	Initial ∆P (psi)		Surface	Recommended
Item #	Description	(Nominal)	@ Flow Rate (gpm)	Dimensions	Area	Flow Rates
15500143	S1	20	2.4 psi @ 10 gpm	2-5/8" x 9-3/4"	586.21 in.2	12 GPM
			(0.17 bar @ 38 lpm)	(67x248 mm)	(1488.97 cm ²)	(45 LPM)
15530343	S1-20	20	0.8 psi @ 10 gpm	2-5/8" x 20"	1119.09 in. ²	15 GPM
			(0.06 bar @ 38 lpm)	(67 x 508 mm)	(2842.49 cm ²)	(57 LPM)
15540543	S1-BB	20	1.2 psi @ 10 gpm	4-1/2" x 9-3/4"	2079.63 in.2	20 GPM
			(0.08 bar @ 38 lpm)	(114 x 248 mm)	(5282.26 cm ²)	(76 LPM)
15530543	S1-20BB	20	1.2 psi @ 10 gpm	4-1/2" x 20"	4289.86 in.2	25 GPM
			(0.08 bar @ 38 lpm)	(114 x 508 mm)	(10896.24 cm ²)	(95 LPM)

Materials of Construction

- Filter MediaResin Impregnated Cellulose
- NettingPolyethylene
- End CapsVinyl Plastisol
- Temperature Rating ...40°F to 145°F (4.4°C to 63°C)
- CorePolypropylene

NOTE: S1-BB and S1-20BB are for use in 10" and 20" Big Blue® housings and BBFS systems only.

NOTE: Big Blue® (BB) is a registered trademark of Pentek Filtration.



R Series Pleated Polyester Cartridges

- Pleated design maximizes dirt-holding capacity.
- Versatile and reusable, allowing for a variety of uses.
- Durable polyester media is bacteria and chemical resistant.
- Nominal 30-micron rating (R-30) and nominal 50-micron rating (R-50).

R Series cartridges are manufactured from a durable, non-woven and reusable polyester fabric that is suitable for a wide range of filtration uses.

The media is pleated around a polypropylene core for added strength, and the ends are immersed in a thermo-setting vinyl plastisol. Embedding and sealing each end of the pleat block in this fashion fuses the three components, together forming a unitized end cap and gasket. The overlap seam is sonically welded to reduce internal bypass, improving filtration efficiency.

The standard 9-3/4" length cartridge has more than four square feet of polyester fabric, while the larger Big Blue® version has more than 16 square feet. The media is pleated to maximize dirt-holding capacity and extend the time period between changes or cleaning.

R Series cartridges are resistant to both bacteria and chemical attack making them suitable for a variety of residential, commercial and industrial applications.



NSF.
COMPONENT

This R50-BB is Tested and certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

ltem #	Description	Maximum Dimensions	Micron Rating (Nominal)*	Initial ∆P (psi) @ Flow Rate (gpm)
15503153	R30-478	2-5/8" x 4-7/8" (67mm x 124mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
15501743	R30	2-5/8" x 9-3/4" (67mm x 248mm)	2-5/8" x 9-3/4" 30 (67mm x 248mm)	
15503843	R50	2-5/8" x 9-3/4" (67mm x 248mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
15541643	R30-20	2-5/8" x 20" (67mm x 508mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
15510143	R30-BB	4-1/2" x 9-3/4" (114mm x 248mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
15505343	R50-BB	4-1/2" x 9-3/4" (114mm x 248mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
15543043	R30-20BB	4-1/2" x 20" (114mm x 508mm)	30	<1 psi @ 20 gpm (<0.1 bar @ 76 lpm)

*Based on manufacturer's internal testing.

Materials of Construction

- Filter MediaPolypropylene CorePolypropylene
- End CapsVinyl Plastisol

• Temperature Rating ...40°F to 125°F (4.4°C to 52°C)



PP Series Pleated Polypropylene Cartridges

- Pleated design maximizes dirt-holding capacity.
- Durable polypropylene media resists bacterial attack.
- Suitable for municipal or well water applications.
- Nominal 30-micron rating.

PP Series cartridges are manufactured from a durable polypropylene media. They are resistant to bacterial attack and compatible with a wide range of chemicals.

The high porosity of the media provides higher flow rates and dirt holding capacity, while maintaining extremely low pressure drop.

The media is pleated around a polypropylene core for added strength, and the ends are immersed in a thermo-setting vinyl plastisol. Embedding and sealing each end of the pleat block in this fashion fuses the three components together forming a unitized end cap and gasket.

An external netted sheath helps protect against particle migration in pulsating flow streams. The overlap seam is sonically welded to reduce internal bypass, improving filtration efficiency.

PP Series cartridges provide nominal 30-micron filtration and are highly effective at reducing medium/fine particles in a variety of residential, commercial and industrial applications.



Item #	Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ∆P (psi) @ Flow Rate (gpm)
15512043	PP30-BB	4 1/2" x 9 3/4" (114mm x 248mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)

Materials of Construction

- Filter MediaPolyethylene (PP30 only)
- End Caps.....Vinyl Plastisol

• **Temperature Rating** ...40°F to 145°F (4.4°C to 63°C)

WARNING: For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



ECP Series Pleated Cellulose Polyester Cartridges

- Replaces CP and HFCP Series cartridges.
- Special formulation of resin-impregnated cellulose and polyester fibers. ECP1-20
- Provides higher wet strength than regular cellulose cartridges.
- Minimal unloading and media migration.

ECP Series cartridges are manufactured from a special formulation of resin-impregnated cellulose and polyester fibers.

This unique blend of materials provides a higher wet strength than regular cellulose cartridges. It also provides high flow rates and dirtholding capacity, while maintaining extremely low pressure drop.

The media is pleated around a polypropylene core for added strength and the ends are immersed in a thermo-setting vinyl plastisol. Embedding and sealing each end of the pleat block in this fashion fuses the components together forming a unified end cap and gasket.

ECP Series cartridge end caps feature a color-coding system for easy identification of micron ratings: Tan (1-micron), White (5-micron), Blue (20-micron), Yellow (50-micron).

The new ECP cartridges contain more media surface area than most competitive cartridges. The standard 10" ECP cartridges contain six square feet of media, where most cartridges contain only 4.5 square feet. Additional ECP cartridges contain the following amount of media:

Standard 20" cartridge – 12 ft²

- 10" BB cartridge 18 ft²
- 20" BB cartridge 36 ft²



CF	20	0-2	0	ЗB

3B		
	ECP5-10	

		End Cap	Maximum	Micron Rating	Initial ∆P (psi)
Item #	Model	Color	Dimensions	(Nominal)	@ Flow Rate (gpm)
25548143	ECP1-10	Tan	2-5/8" x 9-3/4" (67mm x 248mm)	1	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
25548243	ECP5-10	White	2-5/8" x 9-3/4" (67mm x 248mm)	5	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
25548343	ECP20-10	Blue	2-5/8" x 9-3/4" (67mm x 248mm)	20	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
25548443	ECP50-10	Yellow	2-5/8" x 9-3/4" (67mm x 248mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
25548543	ECP1-20	Tan	2-5/8" x 20" (67mm x 508mm)	1	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
25548643	ECP5-20	White	2-5/8" x 20" (67mm x 508mm)	5	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
25548743	ECP20-20	Blue	2-5/8" x 20" (67mm x 508mm)	20	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
25548843	ECP50-20	Yellow	2-5/8" x 20" (67mm x 508mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
25548943	ECP1-BB	Tan	4-1/2" x 9-3/4" (114mm x 248mm)	1	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
25549043	ECP5-BB	White	4-1/2" x 9-3/4" (114mm x 248mm)	5	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
25549143	ECP20-BB	Blue	4-1/2" x 9-3/4" (114mm x 248mm)	20	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
25549243	ECP50-BB	Yellow	4-1/2" x 9-3/4" (114mm x 248mm)	50	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
25549343	ECP1-20BB	Tan	4-1/2" x 20" (114mm x 508mm)	1	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
25549443	ECP5-20BB	White	4-1/2" x 20" (114mm x 508mm)	5	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
25549543	ECP20-20BB	Blue	4-1/2" x 20" (114mm x 508mm)	20	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
25549643	ECP50-20BB	Yellow	4-1/2" x 20" (114mm x 508mm)	50	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)

Materials of Construction

• Media.....Cellulose Polyester

• CorePolypropylene

• End CapsVinyl Plastisol

• Temperature Rating ...40°F to 125°F (5°C to 52°C)



PS Series Spun-Bonded Polypropylene Cartridges

- Manufactured from pure 100% polypropylene.
- Designed for purity and chemical compatibility.
- Spun fibers form a true gradient density from outer to inner surfaces.

Our new PS Series of poly spun-bonded filter cartridges are manufactured from pure 100% polypropylene fibers. The depth filtration cartridge construction offers greater performance flexibility in a broad range of solutions.

In water applications, polypropylene media will not impart taste, odor or colors into the solution. For industrial applications, polypropylene offers superior chemical resistance and is not prone to bacterial attack. The thermal bonding process of the media eliminates the need for a core support while offering resistance to collapse. This process also greatly reduces fiber migration.

PS Series cartridges are available in a wide range of lengths and micron sizes to accommodate a broad range of vessel sizes and applications.

		Maximum	Micron Rating	Initial ∆P (psi)
Item #	Model	Dimensions	(Nominal)*	@ Flow Rate (gpm)
25569043	PS1-10C	2-3/8" x 9-3/4" (60 mm x 248 mm)	1	2.9 psi @ 5 gpm (<0.2 bar @ 18.9 lpm)
25569143	PS1-20C	2-3/8" x 20" (60 mm x 508 mm)	1	1.45 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)
25569243	PS1-30C	2-3/8" x 30" (60 mm x 762 mm)	1	0.97 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)
25569343	PS1-40C	2-3/8" x 40" (60 mm x 1016 mm)	1	0.73 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)
25569443	PS5-10C	2-3/8" x 9-3/4" (60 mm x 248 mm)	5	1.0 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)
25569543	PS5-20C	2-3/8" x 20" (60 mm x 508 mm)	5	0.5 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)
25569643	PS5-30C	2-3/8" x 30" (60 mm x 762 mm)	5	0.33 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)
25569743	PS5-40C	2-3/8" x 40" (60 mm x 1016 mm)	5	0.25 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)
25569843	PS20-10C	2-3/8" x 9-3/4" (60 mm x 248 mm)	20	0.7 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)
25569943	PS20-20C	2-3/8" x 20" (60 mm x 508 mm)	20	0.35 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)
25570043	PS20-30C	2-3/8" x 30" (60 mm x 762 mm)	20	0.23 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)
25570143	PS20-40C	2-3/8" x 40" (60 mm x 1016 mm)	20	0.18 psi @ 5 gpm (<0.1 bar @ 18.9 lpm)

*Based on manufacturer's internal testing.

Materials of Construction

- Filter MediaPolypropylene Fibers
- Temperature Rating......40°F to 145°F (4.4°C to 62.8°C)



P Series Spun Bonded-Polypropylene Cartridges

- Manufactured from pure 100% polypropylene.
- Designed for purity and chemical compatibility.
- Spun fibers form a true gradient density from outer to inner surfaces.

P Series cartridges are manufactured from pure 100% polypropylene fibers. The fibers have been carefully spun together to form a true gradient density from outer to inner surfaces.

P Series cartridges are designed for purity. They will not impart taste, odor or color to the liquid being filtered when used within the recommended temperature limit. Additionally, the polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.

The coreless strength is achieved by sintering the many fibers into a solid matrix.

P Series cartridges are available in a wide array of sizes and micron ratings to accommodate all of your filtration needs.



The P1, P5, P1-20 and P5-20 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

COMPONENT



Item #	Model	Maximum Dimensions	Micron Rating (Nominal)*	Initial ∆P (psi) @ Flow Rate (gpm)
15503043	P5-478	2-3/8" x 4-7/8" (61 mm x 124 mm)	5	0.3 psi @ 2 gpm (<0.1 bar @ 7.6 lpm)
15522543	P1	2-3/8" x 9-7/8" (61 mm x 251 mm)	1	0.6 psi @ 5 gpm (<0.1 bar @ 19 lpm)
15501443	P5	2-3/8" x 9-7/8" (61 mm x 251 mm)	5	0.2 psi @ 5 gpm (<0.1 bar @ 19 lpm)
15530405	P1-20	2-3/8" x 20" (61 mm x 508 mm)	1	0.6 psi @ 10 gpm (<0.1 bar @ 38 lpm)
15501605	P5-20	2-3/8" x 20" (61 mm x 508 mm)	5	0.6 psi @ 10 gpm (<0.1 bar @ 38 lpm)
15522605	P25-20	2-3/8" x 20" (61 mm x 508 mm)	25	0.2 psi @ 10 gpm (<0.1 bar @ 38 lpm)
15522706	P1-30	2-3/8" x 30" (61 mm x 762 mm)	1	0.5 psi @ 10 gpm (<0.1 bar @ 38 lpm)
15522806	P5-30	2-3/8" x 30" (61 mm x 762 mm)	5	0.2 psi @ 10 gpm (<0.1 bar @ 38 lpm)

*Based on manufacturer's internal testing.

Materials of Construction

- Filter MediaPolypropylene Fibers
- Temperature Rating......40°F to 145°F (4.4°C to 62.8°C)



POLYDEPTH® Polypropylene Sediment Cartridges

- Thermally bonded polypropylene micro-fiber construction for higher filtration efficiency.
- Consistent flow rate and superior filtration performance.
- Available in a wide range of micron ratings and lengths.
- Will not impart taste, odor or color to water being filtered.
- Ideal for a wide variety of industrial filtration.

The POLYDEPTH® filtration cartridge is constructed of thermally bonded polypropylene microfibers to ensure high efficiency. The filter media incorporates a rigid polypropylene center core for increased durability. This thermal bonded micro-fiber construction offers no fiber release, consistent flow rate and superior filtration performance. It also is not brittle or prone to breakage problems like resin-bonded cartridges.

Unique micro-grooves provide added surface area. The polydepth cartridge will not impart taste, odor or color to the liquid being filtered, which makes it ideal for food and beverage applications. The recommended temperature limit of 40°F to 175°F (4.4°C to 79.4°C) allows it to be used in many hot water applications. Additionally, the polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.

Available in different lengths from 9-3/4" up to 40". Unlike competitive cartridges, the longer lengths are not manufactured from shorter cartridges that are glued together. They are continuous units that cannot separate during use. POLYDEPTH cartridges are available in various micron ratings including 1-, 5-, 10-, 25-, and 50-microns.

Item #	Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ∆P (psi) @ Flow Rate (gpm)
15574843	PD-1-934	2- 1/2" x 9- 7/8" (64mm x 251mm)	1	
15575543	PD-1-20	2-1/2" x 20" (64mm x 510mm)	1	All 9-7/8" cartridges are rated at
15576243	PD-1-30	2-1/2" x 30" (64mm x 763mm)	1	<2 psi @ 2 gpm (<0.14 bar @ 7.6 lpm)
15576943	PD-1-40	2-1/2" x 40" (64mm x 1017mm)	1	
15574943	PD-5-934	2-1/2" x 9-7/8" (64mm x 251mm)	5	
15575643	PD-5-20	2-1/2" x 20" (64mm x 510mm)	5	All 20" cartridges are rated at
15576343	PD-5-30	2-1/2" x 30" (64mm x 763mm)	5	<2 psi @ 5 gpm (<0.14 bar @ 19 lpm)
15577043	PD-5-40	2-1/2" x 40" (64mm x 1017mm)	5	
15575043	PD-10-934	2-1/2" x 9-7/8" (64mm x 251mm)	10	
15575743	PD-10-20	2-1/2" x 20" (64mm x 510mm)	10	All 30" cartridges are rated at
15575143	PD-25-934	2-1/2" x 9-7/8" (64mm x 251mm)	25	<2 psi @ 7 gpm (<0.14 bar @ 26.5 lpm)
15575843	PD-25-20	2-1/2" x 20" (64mm x 510mm)	25	
15576543	PD-25-30	2-1/2" x 30" (64mm x 763mm)	25	
15577243	PD-25-40	2-1/2" x 40" (64mm x 1017mm)	25	All 40" cartridges are rated at
15575243	PD-50-934	2-1/2" x 9-7/8" (64mm x 251mm)	50	<2 psi @ 9 gpm (<0.14 bar @ 34 lpm)
15575943	PD-50-20	2-1/2" x 20" (64mm x 510mm)	50	

Materials of Construction

• Filter MediaPolypropylene

• Maximum Temperature40°F to 175°F (4.4°C to 79.4°C)





DGD Series Dual-Gradient Density Cartridges

- Manufactured from 100% pure polypropylene.
- Designed for purity and chemical compatibility.
- Two separate gradient density layers enhance cartridge performance.
- Three times the dirt-holding capacity of similar sized sediment cartridges.

DGD Series cartridges are manufactured from 100% pure polypropylene and are sized for use in our Big Blue® filter housings.

DGD Series cartridges are designed for purity and will not impart taste, odor or color to the liquid being filtered. Additionally, the polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.

The DGD Series advanced design combines selective "final filtration" with appropriate "pre-filtration" to achieve up to three times the dirtholding capacity of similar size sediment cartridges and many more times that of standard spun or string-wound cartridges. This performance enhancement is achieved by combining two separate gradient layers in one filter.

The larger diameter of the pre-filter reduces the particle load to the post filter, allowing it to operate at higher velocities. The effective filter depth is increased to a full 233% of standard spun-polypropylene or string-wound filters. This increased depth provides for very high particulate reduction efficiencies and added loaded capacity.

The unique design and performance characteristics of the DGD Series cartridges make them an excellent choice for all residential, rural, municipal and commercial applications.



DGD-5005-20 DGD-7525-20

DGD-5005 DGD-7525

Item #	Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ∆P (psi) @ Flow Rate (gpm)
15535943	DGD-2501	4-1/2" x 10"	Pre-filter: 25;	<1 psi @ 10 gpm
		(114 mm x 254 mm)	Post-filter: 1	(<0.1 bar @ 38 lpm)
15536043	DGD-2501-20	4-1/2" x 20"	Pre-filter: 25;	<1 psi @ 20 gpm
		(114 mm x 508 mm)	Post-filter: 1	(<0.1 bar @ 76 lpm)
15535743	DGD-5005	4-1/2" x 10"	Pre-filter: 50;	<1 psi @ 10 gpm
		(114 mm x 254 mm)	Post-filter: 5	(<0.1 bar @ 38 lpm)
15535843	DGD-5005-20	4-1/2" x 20"	Pre-filter: 50;	<1 psi @ 20 gpm
		(114 mm x 508 mm)	Post-filter: 5	(<0.1 bar @ 76 lpm)
15535543	DGD-7525	4-1/2" x 10"	Pre-filter: 75;	<1 psi @ 10 gpm
		(114 mm x 254 mm)	Post-filter: 25	(<0.1 bar @ 38 lpm)
15535643	DGD-7525-20	4-1/2" x 20"	Pre-filter: 75;	<1 psi @ 20 gpm
		(114 mm x 508 mm)	Post-filter: 25	(<0.1 bar @ 76 lpm)

Materials of Construction

• Filter MediaPolypropylene

• Temperature Rating40°F to 145°F (4.4°C to 62.8°C)



- String-wound design reduces fine sediment from a variety of fluids.
- Withstands temperatures up to 165°F (73.9°C)
- Economically priced.
- Nominal 10, 30, 50-micron rating (CW) and nominal 5, 30-micron rating (WP).

CW and WP Series cartridges are manufactured from a durable polypropylene cord that is wound around a rigid polypropylene core. They are an economical solution to reduce fine sediment, including sand, silt, rust and scale particles.

CW cartridges are very economical and wound in a standard pattern around the core. They are available in 10, 30 and 50-micron ratings.

WP Series cartridges are wound in a precise pattern around the core providing greater surface area. The result is higher dirtloading capacity and greater efficiency than standard wound cartridges like the CW.

Both of these string-wound cartridge styles are capable of withstanding temperatures up to 165°F (73.9°C), and will accommodate flow rates between 7 and 10 GPM with minimal pressure drop.

CW and WP Series cartridges are suitable for a wide variety of sediment filtration applications, including municipal and well water as well as many industrial fluids.



ltem #	Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ∆P (psi) @ Flow Rate (gpm)
15518643	CW-F	2-3/8" x 9-7/8" (60mm x 251mm)	10	<1 psi @ 7 gpm (<0.1 bar @ 27 lpm)
15518743	CW-MF	2-3/8" x 9-7/8" (60mm x 251mm)	30	<1 psi @ 10 gpm (<0.07 bar @ 38 lpm)
15521443	CW-50	2-3/8" x 9-7/8" (60mm x 251mm)	50	<1 psi @ 10 gpm (<0.07 bar @ 38 lpm)
15507143	WP-5	2-3/8" x 9-7/8" (60mm x 251mm)	5	<2.5 psi @ 10 gpm (<0.17 bar @ 38 lpm)
15507243	WP-30	2-3/8" x 9-7/8" (60mm x 251mm)	30	<1.4 psi @ 10 gpm (<0.10 bar @ 38 lpm)

Materials of Construction

- Filter MediaPolypropylene Fiber Cord
- CorePolypropylene



Big Blue Polypropylene Wound Cartridges

The **WP-BB Series** cartridges are constructed of fibrous polypropylene media which as been wound around a polypropylene core. Available in nominal micron ratings ranging from 0.5 to 10, and both 9-7/8" and 20" lengths.

The **WPX-BB Series** cartridges are constructed of fibrillated polypropylene wound on a polypropylene core. The fibrillated polypropylene should be used when pressures require minimization of extractables and/or fiber migration. They are available in nominal micron ratings ranging from 5 to 100, and in both 9-7/8" and 20" lengths.



WP5BB97P

WPX5BB97P

ltem #	Model	Maximum Dimensions	Micron Rating (Nominal)	Max Recommended Flow Rate	Pressure Drop
26100/	WP5BB97P	4-1/2" x 9-7/8"	0.5	10 gpm (38 lpm)	5 psi (0.3 bar)
35521243		(114 mm x 251 mm)			
150100/	WP1BB97P	4-1/2" x 9-7/8"	1	15 gpm (57 lpm)	4 psi (0.3 bar)
35521343		(114 mm x 251 mm)			
26101/	WP5BB97P	4-1/2" x 9-7/8"	5	20 gpm (76 lpm)	3 psi (0.2 bar)
35521443		(114 mm x 251 mm)			
26102/	WP10BB97P	4-1/2" x 9-7/8"	10	20 gpm (76 lpm)	1 psi (0.1 bar)
35521543		(114 mm x 251 mm)			
26103/	WP25BB97P	4-1/2" x 9-7/8"	25	20 gpm (76 lpm)	1 psi (0.1 bar)
35521643		(114 mm x 251 mm)			
26127/	WP1BB20P	4-1/2" x 20"	1	30 gpm (114 lpm)	6 psi (0.4 bar)
35522243		(114 mm x 508 mm)			
70004/	WP5BB20P	4-1/2" x 20"	5	40 gpm (151 lpm)	6 psi (0.4 bar)
35522343		(114 mm x 508 mm)			
26128/	WP25BB20P	4-1/2" x 20"	25	40 gpm (151lpm)	5 psi (0.3 bar)
35522543		(114 mm x 508 mm)			
26104/	WPX5BB97P	4-1/2" x 9-7/8"	5	10 gpm (38 lpm)	16 psi (1.1 bar)
35521743		(114 mm x 251 mm)			
26123/	WPX10BB97P	4-1/2" x 9-7/8"	10	15 gpm (57 lpm)	12 psi (0.8 bar)
35521843		(114 mm x 251 mm)			
26124/	WPX25BB97P	4-1/2" x 9-7/8"	25	20 gpm (76 lpm)	10 psi (0.7 bar)
35521943		(114 mm x 251 mm)			
26125/	WPX50BB97P	4-1/2" x 9-7/8"	50	30 gpm (114 lpm)	8 psi (0.6 bar)
35522043		(114 mm x 251 mm)			
26126/	WPX100BB97P	4-1/2" x 9-7/8"	100	40 gpm (151 lpm)	8 psi (0.6 bar)
35522143		(114 mm x 251 mm)			
26129/	WPX100BB20P	4-1/2" x 20"	100	65 gpm (246 lpm)	8 psi (0.6 bar)
35522643		(114 mm x 508 mm)			

Materials of Construction

• ConstructionFibrous Polypropylene, Polypropylene Core

• Temperature Rating......40°F to 165°F (4.4°C to 73.9°C)

WARNING: Filter must be protected from freezing which can cause cracking of the filter and water leakage. For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection or after the unit.

