



PROFESSIONAL WATER TREATMENT

RESIDENTIAL

2025

Filtration Product Catalog

FILTRATION SYSTEMS | HOUSINGS | CARTRIDGES





TAILORED SOLUTIONS WHEREVER YOUR WATER FLOWS

Whether you've been selling and servicing water treatment solutions for years or are entirely new to the industry, Pentair provides you with the tools to succeed with top-performing professional products. For better-tasting water for your customers, we've got you covered with water solutions for the entire home.

For more than 60 years, Pentair has been the quality choice for water treatment professionals thanks to our legacy of strong, reliable product lines, including Autotrol™, Fleck™, Pentek™ and Structural™.

We create value for our partners by developing a mutual growth mindset, on-demand marketing and selling resources, and a single source of high-quality, pro-grade water filtration products. We also offer water treatment solutions that are specially tailored to meet the needs of customers in specific markets and regions. Pentair products allow you to customize best-in class water treatment solutions that set you apart as a trusted, high performance water treatment professional.

EXPERIENCE THE DIFFERENCE



GREAT PRODUCTS

Be dependable with top quality products that work harder for you and your customers.



TRUSTED SOLUTIONS

Be confident from decades of combined legacies in delivering smart, sustainable solutions.



SUPPORTIVE PARTNERS

Be empowered with helpful digital tools and programs to boost your business.



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SMART, SUSTAINABLE WATER SOLUTIONS

At Pentair, we help the world sustainably move, improve, and enjoy water, life's most essential resource.

From our residential and commercial water solutions, to industrial water management and everything in between, Pentair is focused on smart, sustainable water solutions that help our planet and people thrive.



CARBON FOOTPRINT
REDUCTION



WATER REDUCTION



PRODUCT DESIGN
FOR SUSTAINABILITY



RESPONSIBLE
SUPPLY CHAIN

OUR PURPOSE

To create a better world for people and the planet through smart, sustainable water solutions.

OUR MISSION

We help the world sustainably move, improve and enjoy water, life's most essential resource.

OUR VISION

To be the world's most valued sustainable water solutions company for our employees, customers and shareholders.

Founded in 1966



Present on 6 Continents



22 Countries
139 Locations
10,500 Employees
974 Pending & Granted Patents



The mission of the Pentair Foundation is to support and advance inclusive and sustainable communities by investing in the availability, quality, and enjoyment of water and by increasing the participation of youth and young adults in Science, Technology, Engineering and Math (STEM) education.



SCAN TO
LEARN MORE

PFAS CERTIFIED PRODUCTS



We are proud to offer solutions that give customers the peace of mind that comes with great-tasting, high-quality water throughout the home.

Pentair offers water filtration products that are certified to reduce PFAS (commonly referred to as "forever chemicals") concentrations in drinking water by up to 99.7% when used as directed.*



ChlorPlus Protect 10ⁱ System

SKU - 150742

Replacement Cartridge - 655226-43

See page 15 for more information



FloPlus Protect 20BB System

SKU - 150736

Replacement Cartridge - 655230-43

See page 18 for more information



FreshPoint F2000-B2B[†]

2-Stage Filtration System

SKU- 158839

Replacement Cartridges -
F2B2-RC/655126-96 (twin pack)

See page 10 for more information



FreshPoint GRO-575B[†]

5-Stage RO System

SKU- 161112

Replacement Cartridges -

F1G1-RC/655117-96

FDF1-RC/655123-96

F2B2-RC/655126-96 (twin pack)

GRO75-RC/655122-96

See page 13 for more information



FreshPoint F3000-B2B[†]

3-Stage Filtration System

SKU- 158840

Replacement Cartridges -

F1S5-RC/655116-96

F2B2-RC/655126-96 (twin pack)

See page 11 for more information



*The models FloPlus Protect 20BB, ChlorPlus Protect 10, F2000-B2B, F3000-B2B, and GRO-575B are certified by IAPMO R&T for the reduction of claims on the Performance Data Sheet.

For more information on these products, please contact your Pentair sales representative or preferred Pentair Distributor.

†Total PFAS Compounds

PFOA - perfluorooctanoic acid

PFOS - perfluorooctane sulfonate

PFHxS - perfluorohexane sulfonic acid

PFHpA - perfluoroheptanoic acid

PFNA - perfluorononanoic acid

PFDA - perfluorodecanoic acid

PFBS - perfluorobutane sulfonic acid



LEAD CERTIFIED PRODUCTS

Experience peace of mind with premium filtration products certified to reduce lead and other contaminants in your water.

Pentair filtration technologies, featuring proprietary Fibredyne media and multi-stage reverse osmosis, enhance the home water experience.

Discover industry-leading lead filtration systems that effectively remove lead and other harmful contaminants for better, safer home water.



LR-BB50 System

SKU - 160410

Replacement Cartridge - 655210-43

See page 19 for more information



LR-1500 System

SKU - 150736

Replacement Cartridge - 160406

See page 16 for more information



FreshPoint GRO-350B

3-Stage RO System

SKU- 161110

Replacement Cartridges -

F1GC-RC/655117-96

FDF1-RC/655123-96

GRO50-RC/655121-96

See page 12 for more information



FreshPoint GRO-475B

4-Stage RO System

SKU- 161111

Replacement Cartridges -

F1GC-RC/655117-96

FDF1-RC/655123-96

F1B1-RC/655120-96

GRO75-RC/655122-96

See page 13 for more information



FreshPoint GRO-575B

5-Stage RO System

SKU- 161112

Replacement Cartridges -

F1GC-RC/655117-96

FDF1-RC/655123-96

F2B2-RC/655126-96 (twin pack)

GRO75-RC/655122-96

See page 13 for more information



Contact us to learn more about our NSF Certified Products.



FILTRATION

COMPREHENSIVE FILTRATION SOLUTIONS FOR GREAT-TASTING WATER

With a focus on residential and commercial water treatment markets, Pentair offers specialized filtration products including polypropylene and stainless steel housings, sediment and carbon cartridges, plus filter bags and RO membranes.

Pentair offers a wide array of water filtration solutions that help reduce undesirable contaminants and create fresher, cleaner, great-tasting water. Our products also help to protect and extend the life of household water-using appliances. Plus, our expertise empowers water treatment professionals to service industrial applications with peace of mind.

DOVER, NEW HAMPSHIRE, USA



- Fibredyne™ Carbon Cartridges
- Extruded Carbon Blocks

SUZHOU, CHINA



- RO Systems
- RO Membranes
- Filtration Cartridges
- Housing

REYNOSA, MEXICO



- Housings
- Sediment Filters
- Inline Cartridges

MANUFACTURING SITES

Our filtration solutions are made in three different locations, each one having its own specialty. Pentair Dover is dedicated to our premium Fibredyne carbon cartridges, as well as other extruded carbon blocks. Pentair Suzhou is the center of expertise for RO membranes and systems, as well as many filtration cartridges and housings. Pentair Reynosa mainly focuses on housings, sediment filters and inline cartridges. Both Pentair Suzhou and Pentair Reynosa are ISO 9001:2008 certified.



PFAS



FRESHPOINT® FILTRATION SYSTEMS

Pentair FreshPoint Filtration Systems use trusted technology to reduce a wide range of contaminants in your water. The range of FreshPoint Filtration Systems offer multiple stage solutions to address your customers' drinking water needs. With simple click-in cartridge replacements, these systems help reduce maintenance time. Specific contaminant reduction claims will vary from system to system.

APPLICATIONS

- ▶ Point of Use
- ▶ Drinking Water

FEATURES • BENEFITS

- ▶ Certified to reduce up to 99.7% of Total PFAS*
- ▶ Effortless click-in cartridge change-outs
- ▶ Reduces a range of contaminants including chlorine, taste & odor, lead, atrazine, lindane, Nominal Particulate Class I, cysts
- ▶ NSF/ANSI Standard 53 certified to reduce cysts such as *Cryptosporidium* and *Giardia* by mechanical means
- ▶ Built-in check valve system means no need to turn off water for cartridge change-outs
- ▶ 3/8" push fittings for easy installation

SPECIFICATIONS: FreshPoint Filtration Systems – 2 STAGE

Inlet Size	3/8" QC
Filter Life†	Up to 1 year
System Dimensions	12.5" H x 8" W x 5.25" D (317.5 x 203.2 x 133.35 mm)
System Weight	6 lbs (2.72 kgs)
Capacity	675 gal (2,555 L)
Temperature Range	40-100°F (4.4 – 37.8°C)
Micron Rating	0.5
Contaminants	CTO, Particulate Class I, Cysts, Atrazine, Lead (pH 6.5), Lead (pH 8.5), Lindane, Total PFAS



The models F2000-B2B and F3000-B2B are tested and certified by NSF International to NSF/ANSI Standards 42, 53 and CSA B483.1 for the reduction of substances listed on the Performance Data Sheet.



*The models F2000-B2B and F3000-B2B are certified by IAPMO R&T to NSF/ANSI 53 for the reduction of Total PFAS.

† Filter life depends on gallon usage and overall incoming water quality.



PFAS



3-stage system includes a sediment filter for longer life in higher turbidity situations.

SPECIFICATIONS: FreshPoint Filtration Systems - 3 STAGE

Inlet Size	3/8" QC
Filter Life*	Up to 1 year
System Dimensions	12.5" H x 11.25" W x 5.46" D (317.5 x 285.75 x 138.68 mm)
System Weight	6 lbs (2.72 kgs)
Capacity	675 gal (2,555 L)
Temperature Range	40-100°F (4.4 - 37.8°C)
Micron Rating	0.5
Contaminants	CTO, Particulate Class I, Cysts, Atrazine, Lead (pH 6.5), Lead (pH 8.5), Lindane, Total PFAS

EPA Est. No. 082989-CHN-001

FRESHPOINT FILTRATION SYSTEMS

PART NUMBER	DESCRIPTION	CASE QTY
System		
158839	F2000-B2B, Filter 2 Stage VOC	1
	Replacement Cartridge	
	655126-96 F2B2-RC2, Cartridge Filters, Twin Pack	6
System		
158840	F3000-B2B, Filter 3 Stage, SED	1
	Replacement Cartridges	
	655116-96 F1S5-RC, Cartridge Filter, Sediment, PP, 5 Micron	12
	655126-96 F2B2-RC2, Cartridge Filters, Twin Pack	6

*Filter life depends on gallon usage and overall incoming water quality.



FRESHPOINT REVERSE OSMOSIS SYSTEMS

Pentair FreshPoint Reverse Osmosis (RO) Systems provide premium filtration with GRO membrane technology and click-in cartridge replacements. Lead and chemical reduction helps you enjoy improved water straight from the tap.

APPLICATIONS

- ▶ Point of Use
- ▶ Drinking Water

FEATURES • BENEFITS

- ▶ Reduces a variety of water contaminants up to 90%
- ▶ Effortless click-in cartridge change-outs
- ▶ Color-coded cartridges help maintain proper filter sequence
- ▶ 3/8" push fittings for easy installation
- ▶ High-efficiency membrane technology delivers up to 50 gallons per day
- ▶ Optional integrated booster pump model for low water pressure applications, increasing tank fill rate (available for FreshPoint GRO-475BP)

SPECIFICATIONS: FreshPoint Reverse Osmosis Systems – 3 STAGE

Inlet Size	3/8" QC
Filter Life*	Pre/post filters: 1 year; RO membrane: 18 months
System Dimensions	12.54" H x 11.32" W x 5.46" D (318.51 x 287.53" x 138.68 mm)
System Weight	17.40 lbs (7.89 kg)
Tank Capacity	2.1 gal (7.9 L)
Filter Capacity	750 gal (2,839 L)
Temperature Range	40-100°F (4.4 – 37.8°C)
Micron Rating	0.5
Contaminants	CTO, TDS, Pentavalent Arsenic, Fluoride, Cysts, Turbidity, Lead, Selenium, Copper, Cadmium, Hexavalent Chromium, Trivalent Chromium, Radium 226/228, Barium, Nitrate/Nitrite



GRO-350B is Tested and Certified by NSF International against NSF/ANSI 42 and 58 and CSA B483.1 for the reduction of claims specified on the Performance Data Sheet.

*Filter life depends on gallon usage and overall incoming water quality.

EPA Est. No. 082989-CHN-001

**SPECIFICATIONS: FreshPoint Reverse Osmosis Systems – 4 STAGE**

	4-Stage	4-Stage with pump
Inlet Size	3/8" QC	3/8" QC
Filter Life*	Pre/post filters: 1 year RO membrane: 18 months	Pre/post filters: 1 year RO membrane: 18 months
System Dimensions	12.54"H x 14.56"W x 5.46"D (318.51 x 369.82" x 138.68 mm)	12.54"H x 17.82"W x 5.46"D (318.51 x 452.62" x 138.68 mm)
System Weight	8.9 lbs (4.0 kg)	12.75 lbs (5.78 kg)
Tank Capacity	2.1 gal (7.9 L)	3.2 gal (12.1 L)
Filter Capacity	750 gal (2,839 L)	750 gal (2,839 L)
Temperature Range	40-100°F (4.4 – 37.8°C)	40 – 100°F (4.3 – 37.8°C)
Micron Rating	0.5	0.5
Contaminants	CTO, TDS, Atrazine, Lead (pH 6.5), Lead (pH 8.5), Lindane, Pentavalent Arsenic, Fluoride, Cysts, Turbidity, Lead, Selenium, Copper, Cadmium, Hexavalent Chromium, Trivalent Chromium, Radium 226/228, Barium	CTO, TDS, Pentavalent Arsenic, Fluoride, Cysts, Turbidity, Lead, Selenium, Copper, Cadmium, Hexavalent Chromium, Trivalent Chromium, Radium 226/228, Barium



GRO-475B, GRO-475BP, and GRO-575B are Tested and Certified by NSF International against NSF/ANSI 42, 53, 58 and CSA B483.1 for the reduction of the claims specified on the Performance Data Sheet.



The model GRO-575B is certified by IAPMO R&T against NSF/ANSI 53 for the reduction of Total PFAS

SPECIFICATIONS: FreshPoint Reverse Osmosis Systems – 5 STAGE

Inlet Size	3/8" QC
Filter Life*	Pre/post filters: 1 year RO membrane: 18 months
System Dimensions	12.54"H x 17.82"W x 5.46"D (318.51 x 452.62" x 138.68 mm)
System Weight	10.7 lbs (4.8 kg)
Tank Capacity	3.2 gal (12.1 L)
Filter Capacity	675 gal (2,555 L)
Temperature Range	40-100°F (4.4 – 37.8°C)
Micron Rating	0.5
Contaminants	CTO, TDS, Atrazine, Lead (pH 6.5), Lead (pH 8.5), Lindane, Pentavalent Arsenic, Fluoride, Cysts, Turbidity, Lead, Selenium, Copper, Cadmium, Hexavalent Chromium, Trivalent Chromium, Radium 226/228, Barium, Total PFAS

*Filter life depends on gallon usage and overall incoming water quality.

EPA Est. No. 082989-CHN-001



FRESHPOINT REVERSE OSMOSIS SYSTEMS

PART NUMBER	DESCRIPTION		CASE QTY
System			
161110	GRO-350B, GRO 3 Stage, DF, 50 GPD, GAC		1
	Replacement Cartridges		
	655117-96	F1GC-RC, Cartridge Filter, Sediment, PP, 5 Micron	12
	655123-96	FDF1-RC, Cartridge Filter, Chlorine Taste and Odor	12
	655121-96	GRO50-RC, Membrane	12
System			
161111	GRO-475B, GRO 4 Stage, DF, CMR, 75 GPD, GAC		1
	Replacement Cartridges		
	655117-96	F1GC-RC, Cartridge Filter, Sediment, PP, 5 Micron	12
	655123-96	FDF1-RC, Cartridge Filter, Chlorine Taste and Odor	12
	655120-96	F1B1-RC, Cartridge Filter, Cyst and Lead	12
	655122-96	GRO75-RC, Membrane	12
System			
161114	GRO-475BP, GRO 4 Stage, DF, CMR, 75 GPD, GAC, with pump		1
	Replacement Cartridges		
	655117-96	F1GC-RC, Cartridge Filter, Sediment, PP, 5 Micron	12
	655123-96	FDF1-RC, Cartridge Filter, Chlorine Taste and Odor	12
	655120-96	F1B1-RC, Cartridge Filter, Cyst and Lead	12
	655122-96	GRO75-RC, Membrane	12
System			
161112	GRO-575B, GRO 5 Stage, DF, VOC, 75 GPD, GAC		1
	Replacement Cartridges		
	655117-96	F1GC-RC, Cartridge Filter, Sediment, PP, 5 Micron	12
	655123-96	FDF1-RC, Cartridge Filter, Chlorine Taste and Odor	12
	655126-96	F2B2-RC2, Cartridge Filters, Twin Pack	6
	655122-96	GRO75-RC, Membrane	12



The ChlorPlus Protect 10 is certified by IAPMO R&T to NSF/ANSI 53 for the reduction of Total PFAS.

CHLORPLUS PROTECT™ 10 TOTAL PFAS FILTRATION SYSTEM

The Pentair ChlorPlus Protect 10 System makes it easier to improve home water by reducing contaminants like Total PFAS that can linger in untreated water. This system offers premium sediment, chlorine, chloramine and Total PFAS reduction to provide cleaner, great-tasting water.

APPLICATIONS

- ▶ Point of Use
- ▶ Drinking Water

FEATURES • BENEFITS

- ▶ Professional-grade certified system by IAPMO R&T to reduce up to 98% of Total PFAS, commonly known as "forever chemicals"
- ▶ Also features premium sediment, chlorine, and chloramine reduction as tested by Pentair
- ▶ Integrated pressure relief valve for easier cartridge change-outs
- ▶ Complete system includes cartridge, wrench, mounting bracket kit and manual

SPECIFICATIONS:

Inlet Size	3/4" FPT
Filter Life*	4-5 months
Housing Size	10" housing with pressure relief
Housing Material	Polypropylene
System Dimensions	5.13" H x 12.23" W (130 mm x 310 mm)
Capacity	1,000 gal (3,785 L)
Service Flow Rate	1 gpm (3.8 L)
Temperature Range	40-100°F (4.4 - 37.8°C)
Feed Pressure Range	0-125 psi (2.1-8.6 bar)
Micron Rating	1

PART NUMBER	DESCRIPTION	CASE QTY
System		
150742	ChlorPlus Protect 10 PFOA/PFOS	1
Replacement Cartridge		
655226-43	ChlorPlus Protect 10, Cartridge Filters	6

*Filter life depends on gallon usage and overall incoming water quality.



LR-1500 UNDER SINK LEAD FILTRATION SYSTEM

The Pentair LR-1500 filtration system reduces lead and provides high flow. It features a drop-in design that is environmentally friendly and includes a pressure release button. The LR-FB10 filter cartridge uses Fibredyne technology.

APPLICATIONS

- ▶ Point of Use
- ▶ Drinking Water

FEATURES • BENEFITS

- ▶ Professional-grade lead reduction system, certified to reduce lead up to 99.7%
- ▶ NSF/ANSI Standard 42 & 53 certified to reduce chlorine, taste, odor, and contaminants such as lead
- ▶ Proprietary Fibredyne technology provides high-flow rate with low pressure drop
- ▶ Full flow technology means no separate faucet required
- ▶ Complete system with wrench, integrated mounting bracket, and manual



The Model LR-1500 is Tested and Certified by NSF International against NSF/ANSI Standard 42, 53 and CSA B483.1 for the reduction of the claims specified on the Performance Data Sheet.

SPECIFICATIONS:

Inlet Size	3/8" QC
Filter Life*	1 year
Housing Size	10" housing with pressure relief
Housing Material	Polypropylene
System Dimensions	14.12" H x 5.25" W (358.64 mm x 133.35 mm)
Capacity	1,500 gallons (5,678 liters)
Service Flow Rate	2.5 gpm (9.46 Lpm)
Temperature Range	40-100°F (4.4 - 37.8°C)
Feed Pressure Range	0-125 psi (2.1-8.6 bar)
Micron Rating	0.5

*Filter life depends on gallon usage and overall incoming water quality.

PART NUMBER	DESCRIPTION	CASE QTY
System		
160406	LR-1500 Under Sink System	1
Replacement Cartridge		
655208-43	LR-FB10 Replacement Cartridge	12





PFAS



FLOPLUS PROTECT™ 20BB PFAS FILTRATION SYSTEM

The Pentair FloPlus Protect 20BB System makes it easier to defend your home's water. This high-performance system is certified to reduce up to 99% of five PFAS compounds, commonly referred to as "forever chemicals." This system comes standard with our proprietary Fibredyne filtration technology that provides chlorine reduction and depth filtration, minimizes plugging, and helps ensure consistent water pressure over the life of the product.

APPLICATIONS

- ▶ Point of Entry
- ▶ Whole House

FEATURES • BENEFITS

- ▶ Professional grade PFAS reduction system for the whole home
- ▶ System is certified to reduce five PFAS compounds, commonly known as "forever chemicals" up to 99.82%
- ▶ Proprietary Fibredyne technology provides high-flow rate with low pressure drop
- ▶ 40,000 gallon capacity at 5 gpm flow rate
- ▶ Integrated pressure relief valve for easier cartridge change-outs
- ▶ Complete system with cartridge, wrench, mounting bracket kit and manual



The FloPlus Protect 20BB is certified by IAPMO R&T to NSF/ANSI 53 for the reduction of claims specified on the Performance Data Sheet.

SPECIFICATIONS

Inlet Size	1½" FPT
Filter Life*	6 months
Housing Size	20" heavy duty with pressure relief
Housing Material	Polypropylene
System Dimensions	23.22" H x 7.45" W (590 mm x 189 mm)
Capacity	40,000 gal (151,416 L)
Service Flow Rate	5 gpm (18.9 Lpm)
Temperature Range	40-100°F (4.4 - 37.8°C)
Feed Pressure Range	30 - 90 psi (2.06 - 6.20 bar)
Micron Rating	1

PART NUMBER	DESCRIPTION	CASE QTY
System		
150736	FloPlus Protect 20BB PFAS	1
Replacement Cartridge		
655230-43	FloPlus Protect 20BB	6

*Filter life depends on gallon usage and overall incoming water quality.



LR-BB50 HEAVY DUTY LEAD FILTRATION SYSTEM

Contaminants such as lead can exist in original water sources or pipes outside your home and can create undesirable water conditions. The Pentair LR-BB50 Heavy Duty Lead Filtration System can help reduce these contaminants before they enter the home.

APPLICATIONS

- ▶ Point of Entry
- ▶ Whole House

FEATURES • BENEFITS

- ▶ Professional-grade lead reduction for the whole home
- ▶ Integrated bypass valve for easier cartridge change-outs
- ▶ Complete system includes housing, cartridge, mounting bracket kit and manual
- ▶ Reduces Lead up to 99%



System Tested and Certified by NSF International against CSA B483.1 and NSF/ANSI Standard 53 for the reduction of Lead.

SPECIFICATIONS

Inlet Size	1" FPT
Filter Life*	4-5 months
Housing Size	20" heavy duty
Housing Material	Polypropylene
System Dimensions	14.57" W x 5.46" D x 12.54" H 370.08 x 138.68 x 318.52 mm)
Capacity	40,000 gal (151,416.47 L)
Service Flow Rate	10 gpm (37.85 Lpm)
Water Temperature	40-100°F (4.4 - 37.8°C)
Feed Pressure	30-90 psi (2.06-6.20 bar)
Micron Rating	0.5

- ▶ Pairs best with sediment pre-filtration for maximum life. We recommend Pentair DGD-5005



PART NUMBER	DESCRIPTION	CASE QTY
System		
160410	LR-BB50 Heavy Duty Lead	1
Replacement Cartridge		
655210-43	LR-FB20BB	6

*Filter life depends on gallon usage and overall incoming water quality.

PENTAIR FILTRATION COMPONENTS OVERVIEW

Our filtration portfolio offers quality, high-performing products, your one-stop-shop for filtration needs. It covers a wide range of applications, from basic taste & odor reduction or particle filtration, to state-of-the-art reverse osmosis membrane technology. To help you best meet your customers' unique water needs, you can also select from our array of filtration components to create a customized system.

Manufacturing and innovating water filtration since 1967



PRODUCT DESIGN AND INNOVATION

For industry needs through state-of-the-art laboratories and best-in-class team of engineers



BREADTH OF SOLUTIONS

For a wide variety of applications to support you and your customers



CERTIFICATION TO INDUSTRY STANDARDS

Majority of claims are backed by third-party testing



TWO ISO CERTIFIED FACTORIES

100% owned by Pentair with a commitment to quality

	HOUSINGS		RO MEMBRANES		SEDIMENT CARTRIDGES	
	PLASTIC HOUSINGS	STAINLESS STEEL HOUSINGS	TLC SERIES	GRO SERIES	MELTBLOWN CARTRIDGES	WOUND CARTRIDGES
						
Type	POU/POE	POE	POU		POU/POE	
Applications	Residential & commercial filtration	Industrial filtration	Residential, dissolved solids reduction		Residential, commercial and industrial, particle filtration	
Features	High-quality materials and superior durability for long-lasting, reliable service	Long-lasting design, cartridge and bag options available	Features a 100% dry membrane	Provides greater recovery compared to standard RO membranes	Long-lasting performance with optimized flow rates	Economically priced option for water with high turbidity

	CARBON CARTRIDGES				INLINE CARTRIDGES	
	FIBREDYNE	CARBON BLOCK	GRANULAR ACTIVATED CARBON	IMPREGNATED CARBON PAPER	IC SERIES	GS SERIES
						
Type	POU/POE	POU/POE	POU/POE		POU	
Applications	Residential & commercial, taste & odor reduction, additional contaminant reduction	Residential & commercial, taste & odor reduction	Residential & commercial, taste & odor reduction		Residential, post filtration	
Features	All-In-One solution that provides 5x dirt-holding capacity (less frequent cartridge changeouts) and the lowest pressure drop leading to consistent, reliable water flow in the home	Highest capacity and performance, long life with minimal pressure drop	Loose carbon granules provide good contact time at lower capacities	Economically priced option for low contact time applications	Manufactured with coconut shell granular activated carbon	Various combinations of different media

	SEDIMENT CARTRIDGES	SPECIALTY CARTRIDGES				FILTER BAGS	
	PLEATED	DEIONIZATION (PFC Series)	IRON REDUCTION (RFFE SERIES)	SCALE REDUCTION (PCC Series)	ION EXCHANGE (WS Series)	BP SERIES	KE SERIES
							
Type	POU/POE	POU/POE			POU/POE	POE	
Applications	Residential, commercial and industrial particle filtration	Residential and commercial filtration				Commercial and industrial particle filtration	
Features	Versatile and dependable surface filtration	Manufactured with high-capacity, semi-conductor-grade resin	Designed to provide an easy and effective method of reducing iron from water	Contains hexameta-phosphate crystals	Softened water through a small format	Glazed Polypropylene material, fits into BPH polypropylene housings	Glazed Polyester material, fits into industry standard sized metal bag housings

OVERVIEW OF PENTAIR HOUSINGS

Pentair housings are known for their high quality and reliability and enable professionals to service sensitive industrial applications with peace of mind.

PLASTIC HOUSINGS		POLYPROPYLENE HOUSINGS							
		STANDARD HOUSINGS		SLIM LINE HOUSINGS		VALVE-IN-HEAD HOUSINGS		BIG BLUE/CLEAR HOUSINGS	
									
Housing Characteristics	Benefits	Ideal for a wide range of applications including residential, commercial and industrial		Slim design works in narrow installations without sacrificing capacity		Same design and applications as standard housings with an internal valve-in-head which allows both inlet and outlet ports to be simultaneously shut-off with a half turn of the handle. No need for external shut-off valves.		Large capacity housings suitable for high-flow and heavy sediment applications. This allows for greater cartridge capacity and reduces the number of vessels required.	
	Length	10", 20"		5", 10", 20"		10", 20"		10", 20"	
	Inlet/Outlet Ports	3/4" NPT		1/4", 3/8", 1/2" NPT		3/4" NPT		3/4", 1", 1½" NPT	
	Materials Used	Polypropylene or Styrene Acrylonitrile		Polypropylene or Styrene Acrylonitrile		Black/Blue (PP), Blue (PP)/Clear (SAN)		Polypropylene, Lexan or Santoprene	
	Pressure Relief	Available		Available		Available		Available	
	Certifications	NSF/ANSI Standard 42		NSF/ANSI Standard 42		NSF/ANSI Standard 42		NSF/ANSI Standard 42	

PLASTIC HOUSINGS		ALL NATURAL HOUSINGS		HIGH TEMPERATURE HOUSINGS	
					
Housing Characteristics	Benefits	The pure polypropylene composition maintains high standards of performance required in critical contamination control systems and processes. These housings can also be used for a variety of other applications where purity and quality are required.		Ideal for a wide range of industrial applications including those involving organic solvents, sea water, alcohol, petroleum and vegetable oils thanks to the ability of these housings to withstand temperatures up to 165° F (73°C)	
	Length	10", 20"		10", 20"	
	Inlet/Outlet Ports	3/4" NPT		3/4" NPT	
	Materials Used	Pure or White Pure PP		Glass reinforced Nylon (red)	
	Pressure Relief	Not available		Not available	
	Certifications	Not available		Not available	

STAINLESS STEEL HOUSINGS		ST-SERIES CARTRIDGE HOUSINGS	
			
Housing Characteristics	Design Type	Screw type	
	Pressure	250 psi (17.2 bar)	
	Material	SS 304	
	Cartridge Length	10" 20"	
	Bag Size	—	
	Drain Connection	1/8"	
	Vent	N/A	
	Inlet/Outlet	3/4" NPT	

ASSEMBLIES, ACCESSORIES & MATERIALS

ACCESSORIES

Mounting Brackets

Available for each type of housing, constructed of zinc-plated steel or aluminum, they include brackets and screws for quick and simple mounting where needed.



Wrenches

Available for all types of housings and used to loosen up when changing the cartridge.



O-rings

Available for each type of housing, critical to the long-term maintenance of filtration housings and should be changed with each cartridge change.



MATERIALS USED WITH OUR HOUSINGS

Nylon

A thermoplastic material which can withstand temperatures up to 165° F (73°C). It is well known for its durability.

Polypropylene (PP)

A thermoplastic polymer used in a wide variety of applications. Main features: high chemical and corrosion resistance, light weight and rigid, easy to maintain and clean.

Santoprene™ (SAN)

The best example of thermoplastic rubber, able to withstand extreme cold and hot weather conditions. Flexible and durable its use is ideal in residential and commercial housings.

STANDARD HOUSINGS

Traditional Standard Filter Housings have excellent chemical resistance for many residential, commercial and industrial applications.

APPLICATIONS

- ▶ Under sink and countertop Residential and Commercial Filtration
- ▶ Pre- and Post- Reverse Osmosis (RO) Filtration
- ▶ Recreational Vehicle Filtration
- ▶ Foodservice
- ▶ Humidifying Systems



TECHNICAL FEATURE

BENEFIT

Reinforced polypropylene housings



Excellent chemical resistance

Robust design of sump walls



Reliable durability

Optional pressure relief / bleed button on inlet side of cap



Pressure relieved inside the housing when changing filter cartridges



150071, 150072, 150067, 150068, 150435, and 150069 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.



SPECIFICATIONS

Housing Size	10", 20"
Inlet/Outlet Size	3/4" NPT
Material (head/sump)	Polypropylene or Styrene-Acrylonitrile (SAN)
Temperature Range	40-125°F (4.4-51.7°C)
Maximum Pressure	125 psi (8.6 bar)

Standard – 3/4" NPT

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Kitted Housing Assemblies			
152047	W34-PR 3/4" #10 Standard Black/Blue w/ PR Mounting Bracket Cap Installation Kit, includes mounting bracket, hardware and sump wrench	6	
152018	WC34-PR 3/4" #10 Standard Black/Clear w/ PR Mounting Bracket Cap Installation Kit, includes mounting bracket, hardware and sump wrench	6	
Housing Assemblies			
150071	3/4" #10 Standard Blue/Clear w/ PR Mounting Bracket Cap	12	NSF/ANSI 42
150072	3/4" #10 Standard Blue/Clear w/o PR Mounting Bracket Cap	12	NSF/ANSI 42
150067	3/4" #10 Standard Black/Blue w/PR Mounting Bracket Cap	12	NSF/ANSI 42
150068	3/4" #10 Standard Black/Blue w/o PR Mounting Bracket Cap	12	NSF/ANSI 42
150435	3/4" #10 Standard Black/Clear w/PR Mounting Bracket Cap	12	NSF/ANSI 42
150069	3/4" #20 Standard Black/Blue w/PR Mounting Bracket Cap	8	NSF/ANSI 42
150070	3/4" #20 Standard Black/Blue w/o PR Mounting Bracket Cap	8	
Replacement Parts			
151039	Pressure Relief Button Kit	100	
153001	#10 Blue Sump for Standard Housings	12	
153128-06	#10 Clear Sump for Standard Housings	12	
153013	#20 Blue Sump for Standard Housings	4	
Accessories			
150295-06	SW-2 Wrench for Standard Housings	50	
150578	MC-1A Kit - Zinc Plated Bracket Kit for Standard Housing	1	
151118	#241 Silicone O-ring for Standard Housings	1	
151120	#241 EPDM O-ring for Standard Housings	100	
152030	W34-OR Individually Packaged #241 Silicone O-Ring for Standard Housings W34-PR, WC34-PR	1	
144169-02	Three-Housing Standard Bracket	1	

SLIM LINE HOUSINGS



Pentair Slim Line Filter Housings offer outstanding chemical compatibility and are ideal for low-flow and under sink applications. The housings are available in either reinforced polypropylene or clear Styrene-Acrylonitrile (SAN) and the reinforced polypropylene cap offers an optional pressure relief button on the inlet side to relieve pressure inside the housing when changing filter cartridges.

APPLICATIONS

- ▶ Under sink and countertop Residential and Commercial Filtration
- ▶ Pre- and Post- Reverse Osmosis (RO) Filtration
- ▶ Recreational Vehicle Filtration
- ▶ Foodservice
- ▶ Humidifying Systems



158114, 158120, 158125, 158005, 158006, 158195, 158196, 158204, and 158205 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

SPECIFICATIONS

Housing Size	5", 10", 20"
Inlet/Outlet Size	1/4", 3/8", 1/2"
Material (head/sump)	Polypropylene or Styrene-Acrylonitrile (SAN)
Temperature Range	40-125°F (4.4-51.7°C)
Maximum Pressure	125 psi (8.6 bar)

TECHNICAL FEATURE

BENEFIT

Slim design



Less space required for installation without sacrificing capacity

Opaque housings molded from rugged reinforced polypropylene



Outstanding chemical compatibility and ideal for use in a variety of low-flow applications

Clear housings



On-site examination of flow, performance and cartridge life

NEW!

Kitted Housing Assembly options include sump, cap, mounting bracket, wrench and installation kit.

Slim Line – 1/4" NPT

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
NPT Slim Line Housing Assemblies			
158114	1/4" #10 Slim Line Black/Blue w/o PR	12	NSF/ANSI 42
158117	1/4" #10 Slim Line Blue/Clear Housing w/PR	12	
158120	1/4" #10 Slim Line Black/Black Housing w/o PR	12	NSF/ANSI 42
158125	1/4" #10 Slim Line White/White Housing w/o PR	12	NSF/ANSI 42
158739	1/4" #10 Flat Cap Slimline White/White w/o PR	12	

Slim Line – 3/8" NPT

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Kitted Housing Assemblies			
152007	W385-PRA 3/8" #5 Slim Line Black/Blue w/ PR with Installation Kit, includes mounting bracket, hardware and sump wrench	6	
152005	W38-PRA 3/8" #10 Slim Line Black/Blue w/ PR with Installation Kit, includes mounting bracket, hardware and sump wrench	6	
Slim Line Housing Assemblies			
158110	3/8" #5 Slim Line Blue/Clear w/PR	12	
158005	3/8" #10 Slim Line Black/Blue w/PR	12	NSF/ANSI 42
158006	3/8" #10 Slim Line Black/Blue w/o PR	12	NSF/ANSI 42
158007	3/8" #10 Slim Line Blue/Clear w/PR	12	
158008	3/8" #10 Slim Line Blue/Clear w/o PR	12	
158098	3/8" #10 Slim Line White/White w/o PR	12	
158842	3/8" #20 Slim Line White/White w/o PR	8	

Slim Line – 1/2" NPT

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Slim Line Housing Assemblies			
158216	1/2" #5 Slim Line Blue/Clear w/PR	12	
158195	1/2" #10 Slim Line Black/Blue w/PR	12	NSF/ANSI 42
158196	1/2" #10 Slim Line Black/Blue w/o PR	12	NSF/ANSI 42
158214	1/2" #10 Slim Line Blue/Clear w/PR	12	
158215	1/2" #10 Slim Line Blue/Clear w/o PR	12	
158204	1/2" #20 Slim Line Black/Blue w/PR	8	NSF/ANSI 42
158205	1/2" #20 Slim Line Black/Blue w/o PR	8	NSF/ANSI 42

Slim Line – Replacement Parts & Accessories

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
NPT Slim Line Replacement Parts			
151039	Pressure Relief Button Kit	100	
153014	#5 Blue Sump for Slim Line	12	
153056	#5 Clear Sump for Slim Line	12	
153017	#10 Blue Sump for Slim Line	12	
153018	#10 Clear Sump for Slim Line	12	
153049	#10 White Sump for Slim Line	12	
NPT Slim Line Accessories			
150539	SW-1A Wrench for Slim Line Housings	1	
151121	#237 Buna-N O-ring for #5, #10 and #20 Slim Line	1	
158096	Silicone #237 O-ring for Slim Line Housings	1	
244047	SL-ZP Kit - Zinc Plated Bracket for Slim Line Housing	24	

VALVE-IN-HEAD HOUSINGS



Valve-in-Head Filter Housings incorporate the same rugged design and application features as our Standard 3/4" NPT Housings. Valve-in-Head Filter Housings will accommodate a wide range of 2 $\frac{3}{8}$ " to 2 $\frac{7}{8}$ " diameter cartridges. Clear Valve-In-Head Filter Housings offer on-site examination of flow, performance, and cartridge life.

APPLICATIONS

- ▶ Residential and Commercial
- ▶ Under sink and countertop Residential Filtration
- ▶ Pre- and Post- Reverse Osmosis Filtration
- ▶ Recreational Vehicle Filtration
- ▶ Foodservice
- ▶ Humidifying Systems



150437, 150164, and 150166 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

TECHNICAL FEATURE

BENEFIT

Reinforced polypropylene housings	→	Excellent chemical resistance
Thick walls	→	Reliable durability
Optional pressure relief/ bleed button on inlet side of cap	→	Relieve pressure inside the housing when changing filter cartridges

SPECIFICATIONS

Housing Size	10", 20"
Inlet/Outlet Size	3/4"
Material (head/sump)	Polypropylene Santoprene
Temperature Range	40-125°F (4.4-51.7°C)
Maximum Pressure	125 psi (8.6 bar)

NEW!

Kitted Housing Assembly options include sump, cap, mounting bracket, wrench and installation kit.

VALVE-IN-HEAD HOUSINGS - 3/4" NPT

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Kitted Housing Assemblies			
152003	WVC34 3/4" #10 Valve-In-Head Black/Clear w/ PR with Installation Kit, includes mounting bracket, hardware and sump wrench	6	
Valve-In-Head Housing Assemblies			
150437	3/4" Valve-In-Head #10 Blue/Clear w/PR	12	NSF/ANSI 42
150164	3/4" Valve-In-Head #10 Black/Blue w/PR	12	NSF/ANSI 42
150166	3/4" Valve-In-Head #20 Black/Blue w/PR	8	NSF/ANSI 42
Valve-In-Head Replacement Parts			
153001	#10 Blue Sump for Standard Housings	12	
153128-06	#10 Clear Sump for Standard Housings	12	
153013	#20 Blue Sump for Standard Housings	4	
Valve-In-Head Accessories			
150295-06	SW-2 Wrench for Standard Housings	50	
151011	UB-1 Kit - Zinc Plated Bracket for Valve-In-Head Housing (U-Shaped)	100	
151118	#241 Silicone O-ring for Standard Housings	1	
151120	#241 Buna-N O-ring for Standard Housings	100	
152030	W34-OR Individually Packaged #241 Silicone O-Ring for Standard Housings W34-PR, WC34-PR	1	

BIG BLUE HEAVY DUTY HOUSINGS



Big Blue Heavy Duty Filter Housings offer the versatility to meet all of your large-capacity filtration needs, including high-flow and heavy-sediment applications. The extra large housing allows for greater cartridge capacity, reducing the number of vessels required for high-flow rate applications. Sumps are available in both 10" and 20" lengths. Big Blue Housings are compatible with a broad range of chemicals and are available with or without a pressure relief button. They accept a wide variety of 4½" diameter cartridges.

APPLICATIONS

- ▶ Residential and Commercial
- ▶ Large-Capacity and High-Flow



150469, 150470, 150467, 150468, 150237, 150238, 150233, and 150234 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

TECHNICAL FEATURE		BENEFIT
Large-capacity, versatile housings	→	Suitable for high-flow and heavy-sediment applications
Compatible with a broad range of chemicals and available with or without pressure relief button	→	Wide range of applications
1½" internal port	→	Allows a greater volume of liquid to pass through the HFPP cap more rapidly

SPECIFICATIONS

Housing Size	10"BB, 20"BB
Inlet/Outlet Size	3/4", 1", 1½"
Material (head/sump)	Polypropylene Santoprene
Temperature Range	40-100°F (4.4-37.8°C)
Maximum Pressure	10"BB: 100 psi (6.9 bar) 20"BB : 90 psi (6.2 bar)



BIG BLUE HOUSINGS - 3/4" NPT

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Big Blue Housing Assemblies			
150469	3/4" #10 BB Black/Blue HFPP w/PR	6	NSF/ANSI 42
150470	3/4" #10 BB Black/Blue HFPP w/o PR	6	NSF/ANSI 42
150467	3/4" #20 BB Black/Blue HFPP w/PR	4	NSF/ANSI 42
150468	3/4" #20 BB Black/Blue HFPP w/o PR	4	NSF/ANSI 42

BIG BLUE HOUSINGS - 1" NPT

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Kitted Housing Assemblies			
152014	W10-PR 1" #10 BB Black/Blue w/ PR with Installation Kit, includes mounting bracket, hardware and sump wrench	2	
152015	W2010-PR 1" #20 BB Black/Blue w/ PR with Installation Kit, includes mounting bracket, hardware and sump wrench	2	
Big Blue Housing Assemblies			
150237	1" #10 BB Black/Blue HFPP w/PR	6	NSF/ANSI 42
150238	1" #10 BB Black/Blue HFPP w/o PR	6	NSF/ANSI 42
150233	1" #20 BB Black/Blue HFPP w/PR	4	NSF/ANSI 42
150234	1" #20 BB Black/Blue HFPP w/o PR	4	NSF/ANSI 42
150690	1" #20 BB Black/Blue w/PR and 3/8" Sump Drain Valve	4	

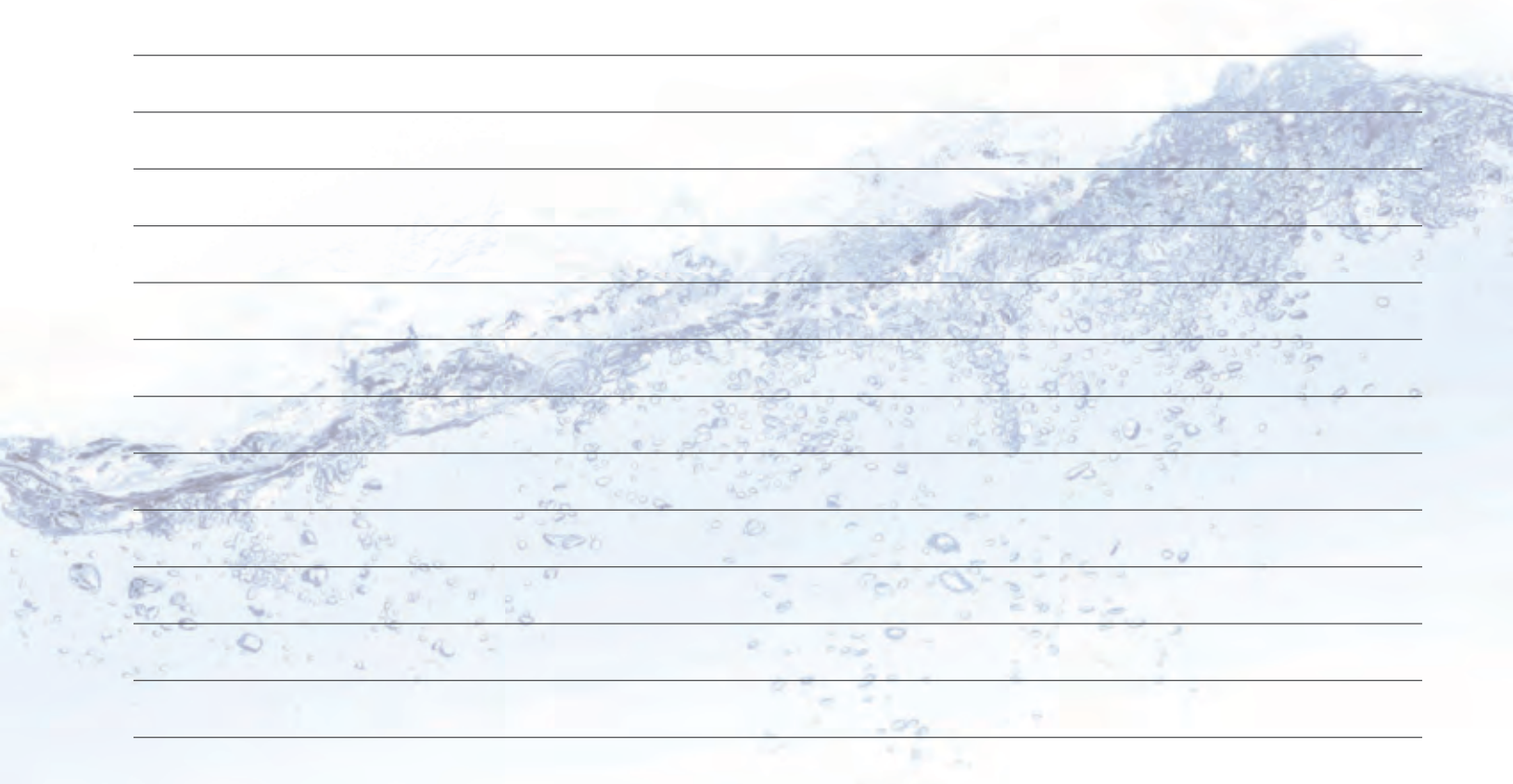
BIG BLUE HOUSINGS - 1½" NPT

PART NUMBER	DESCRIPTION	CASE QTY
Kitted Housing Assemblies		
152016	W15-PR 1½" #10 BB Black/Blue HFPP w/ PR with Installation Kit, includes mounting bracket, hardware and sump wrench	2
152017	W2015-PR 1½" #20 BB Black/Blue HFPP w/ PR with Installation Kit, includes mounting bracket, hardware and sump wrench	2
Big Blue Housing Assemblies		
150235	1½" #20 BB Black/Blue HFPP w/PR	4
150236	1½" #20 BB Black/Blue HFPP w/o PR	4

continued

BIG BLUE HOUSINGS REPLACEMENT PARTS & ACCESSORIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Big Blue Replacement Parts			
151039	Pressure Relief Button Kit	100	
153029	#10 Big Blue Sump	12	
153098	#10 Big Blue Sump with 3/8" NPT Drain	12	
153070-06	#20 Big Blue Sump	4	
153097	#20 Big Blue Sump with 3/8" NPT Drain	4	
Big Blue Accessories			
144258	Two-Housing Big Blue Bracket	25	
144259	Three-Housing Big Blue Bracket	1	
144928	WB-PC Kit - Powder Coated White Bracket for Big Blue Housing	1	
150061	WB-ZP Kit - Zinc Plated Bracket for Big Blue Housing	1	
150296	SW-3 Wrench Big Blue 10" Housings	1	
151122	Big Blue O-ring	100	
357640	WB-SS Kit - Stainless Steel Bracket for Big Blue Housing	1	
SH144368	SW-4 Wrench for Big Blue for 20" Housings	1	
151254	Big Blue square cut O-ring for Heavy Duty Housings	100	
152032	W10-OR Individually Packaged O-ring for all heavy duty opaque housings	24	



BIG CLEAR HEAVY DUTY HOUSINGS

Big Clear Filter Housings offer the versatility to meet all of your large capacity filtration needs, including high-flow and heavy-sediment applications. The extra large housing allows for greater cartridge capacity, reducing the number of vessels required for high-flow rate applications.

APPLICATIONS

- ▶ Residential and Commercial
- ▶ High-Flow and Heavy-Sediment Filtration



TECHNICAL FEATURE

BENEFIT

Available in 10" and 20" lengths



Options to fit a variety of applications

Accepts up to 4½" diameter cartridges



Compatible with a wide variety of cartridges

Pressure-relief button



Reduce pressure in housings when changing cartridges

SPECIFICATIONS

Housing Size	10"BB, 20"BB
Inlet/Outlet Size	1"
Material (head/sump)	Polypropylene, Santoprene (20BB), Lexan (10BB)
Temperature Range	40-100°F (4.4-37.8°C)
Maximum Pressure	10"BB: 100 psi (6.9 bar) 20"BB : 90 psi (6.2 bar)

NEW!

Kitted Housing Assembly options include sump, cap, mounting bracket, wrench and installation kit.

BIG CLEAR HEAVY DUTY - 1" NPT

PART NUMBER	DESCRIPTION	PACK QUANTITY
Kitted Housing Assemblies		
152080	W10-BC 1" #10 BC Blue/Clear w/ PR with Installation Kit, includes mounting bracket, hardware and sump wrench	2
Big Clear Housing Assemblies		
166219	1" #10 BC (Lexan) Blue/Clear w/PR	6
166201	1" #20 BC (SAN) Blue/Clear w/PR	4
Big Clear Replacement Parts		
151039	Pressure Relief Button Kit	100
153208	#10 Big Clear (Lexan Material) Sump	12
153166	#20 Big Clear (SAN Material) Sump	12
Big Clear Accessories		
150061	WB-ZP Kit - Zinc Plated Bracket for Big Clear Housing	1
151254	Square-cut O-ring for 10" Big Clear Housings	100
151362	O-Ring for 20" Big Clear Housings, SAN BUNA	100
357640	WB-SS Kit - Stainless Steel Bracket for Big Clear Housing	1
144928	WB-PC Kit - Powder Coated White Bracket for Big Clear Housing	1
144258	Two-Housing Big Clear Bracket	25
144259	Three-Housing Big Clear Bracket	1
SH144880	BW/BC Wrench for Big Clear, Big White Housings	100

HIGH TEMPERATURE HOUSINGS - NYLON



Constructed of glass-reinforced nylon, Pentair High Temperature Filter Housings are an excellent alternative to stainless and carbon steel housings. Chemical compatibility makes High Temperature Filter Housings an ideal choice for a wide variety of industrial applications including those involving organic solvents, sea water, alcohol, petroleum and vegetable oils. They should not be used with ketones. Both 10" and 20" lengths are available to accommodate flow rates up to 20 gpm (76 Lpm).

APPLICATIONS

- ▶ Industrial

TECHNICAL FEATURE		BENEFIT
Durable glass-reinforced nylon construction	→	Economical solution to stainless steel or carbon housings
Excellent chemical compatibility	→	Ideal for industrial applications involving organic solvents, sea water, alcohol, petroleum, oils, etc.
Resists deionized (DI) water and other inorganic solutions	→	Maintain high standards of performance for critical contamination control systems and processes

SPECIFICATIONS

Housing Size	10", 20"
Inlet/Outlet Size	3/4"
Material (head/sump)	Glass-Reinforced Nylon
Temperature Range	40-165°F (4.4-74°C)
Maximum Pressure	125 psi (8.6 bar)

HIGH TEMPERATURE HOUSINGS - NYLON

PART NUMBER	DESCRIPTION	CASE QTY
3/4" Standard High Temperature Nylon Housing Assemblies		
150015	3/4" #10 Standard Red/Red High Temperature Housing w/o PR	12
150111	3/4" #20 Standard Red/Red High Temperature Housing w/o PR	8
3/4" Standard High Temperature Nylon Replacement Parts		
151118	O-ring #241 for Standard Housings	1
3/4" Standard High Temperature Nylon Accessories		
151011	UB-1 Kit - Zinc Plated Bracket for Valve-In-Head Housing (U-Shaped)	100
150295-06	SW-2 Wrench for Standard Housings	50

ALL NATURAL HOUSINGS PURE POLYPROPYLENE

All Natural Pure Polypropylene Filter Housings help maintain high standards of performance required in critical contamination control systems and processes. These housings can also be used for a variety of other applications where purity and quality in filtration are required.

APPLICATIONS

- ▶ Residential and Commercial
- ▶ Industrial
- ▶ Medical



TECHNICAL FEATURE

BENEFIT

Pure polypropylene components – no fillers, colorants, plasticizers or lubricants →

Economical solution to fluoropolymer, stainless steel or Teflon® housings

Ultra-smooth contact surfaces →

Prevent bacterial adhesion and buildup

Resists deionized (DI) water and other inorganic solutions →

Maintain high standards of performance for critical contamination control systems and processes

SPECIFICATIONS

Housing Size	10", 20"
Inlet/Outlet Size	3/4"
Material (head/sump)	Pure polypropylene
Temperature Range	40-100°F (4.4-37.8°C)
Maximum Pressure	100 psi (6.9 bar)

ALL NATURAL HOUSINGS - 3/4" NPT - PURE POLYPROPYLENE

PART NUMBER	DESCRIPTION	CASE QTY
3/4" Standard All Natural Housing Assemblies		
150132	3/4" #10 Standard All Natural w/Mounting Bracket Cap w/Double Cap Plugs	1
150141	3/4" #20 Standard All Natural w/Mounting Bracket Cap w/Extended 222 Cartridge Sealing Cap w/Double Cap Plugs and w/o V-bead	1
3/4" Standard All Natural Replacement Parts		
151118	O-ring #241 for Standard Housings	1
3/4" Standard All Natural Accessories		
150295-06	SW-2 Wrench for Standard Housings	50
150578	MC-1A Kit - Zinc Plated Bracket for Standard Housing	1

PBH SERIES BAG FILTER HOUSINGS



PBH Bag Filter Housings keep your system running longer by reducing filter change time. Made of lightweight corrosion resistant polypropylene, these bag filter housings give you all the strength you need without the weight.

This housing can be installed as a duplex system for complete uninterrupted flow rates.

APPLICATIONS

- ▶ Residential
- ▶ Foodservice
- ▶ Light Commercial

TECHNICAL FEATURE

BENEFIT

Lightweight, corrosion resistant polypropylene construction



Product strength with minimal weight

10" and 20" housings available in 1" and 1½" NPT sizes



Size options to fit a variety of applications

Gauge, wrench and 3/8" drain valve included



Installation tools provided for convenience

SPECIFICATIONS

Housing Size	10"BB, 20"BB
Inlet/Outlet Size	1", 1½"
Material (head/sump)	Polypropylene
Temperature Range	40-100°F (4.4-37.8°C)
Maximum Pressure	100 psi (6.9 bar)

PBH SERIES BAG FILTER HOUSINGS

PART NUMBER	DESCRIPTION	CASE QTY
PBH Bag Filter Housings		
150360	PBH-410-1 - 1" #10 Big Blue Bag Filter Housing	1
150367	PBH-420-1 - 1" #20 Big Blue Bag Filter Housing	1
150337	PBH-420-1.5 - 1½" #20 Big Blue Bag Filter Housing	1
PBH Bag Filter Replacement Parts		
151122	Big Blue O-Ring	100
153097	#20 Big Blue Sump with 3/8" NPT Drain	12
153098	#10 Big Blue Sump with 3/8" NPT Drain	12
144258	Two-Housing Big Blue Bracket	25
144259	Three-Housing Big Blue Bracket	1
144928	WB-PC Kit - Powder Coated White Bracket for Big Blue Housing	1
150061	WB-ZP Kit - Zinc Plated Bracket for Big Blue Housing	1
150296	SW-3 Wrench Big Blue 10" Housings	1
357640	WB-SS Kit - Stainless Steel Bracket for Big Blue Housing	1
155373-03	PBR-420-BK 20" Replacement Basket	12
155374-03	PBR-410-BK 10" Replacement Basket	24
SH144368	SW-4 Wrench for Big Blue for 20" Housings	1



ST SERIES STAINLESS STEEL HOUSINGS

ST Series Stainless Steel Filter Housings effectively provide heavy duty filtration for smaller filtration systems. The ST Series Housings are easy to install and maintain. They are compatible with a complete range of filter cartridges, adding to their versatility.

APPLICATIONS

- ▶ Residential and Heavy Duty Filtration
- ▶ Hot Water and High-Pressure

TECHNICAL FEATURE		BENEFIT
Brushed 304 stainless steel sump with a cast brass/nickel plated head	→	Heavy duty filtration for smaller filtration systems and POU applications
Flow rate up to 10 gpm (38 Lpm)	→	Ideal for hot water and high-pressure applications
Accepts complete range of standard double open end (DOE) cartridges	→	Easy to install and maintain

SPECIFICATIONS

Housing Size	Accepts 10" cartridge size
Inlet/Outlet Size	3/4" NPT
Material (head/sump)	304 Stainless Steel
Maximum Temperature	300°F (148.9°C)
Maximum Pressure	125 psi (8.6 bar)

ST SERIES STAINLESS STEEL HOUSINGS - 3/4" NPT

PART NUMBER	DESCRIPTION	CASE QTY
304 Stainless Steel Cartridge Filter Housings		
156017-02	3/4" 10" ST-1 Housing (10" Cartridges)	1
Stainless Steel Cartridge Housing Accessories		
143216	ST Housing Gasket, BUNA-N	1
143220	ST Housing Cap Nut	1
143339	Head Nut Gasket Kit for ST-1, ST-2, and ST-3	1
156037	Mounting Bracket Kit for ST-1, ST-2, and ST-3	1
243302	ST Cap Nut Gasket, PTFE	1
243305	ST Housing Gasket, PTFE	1

RO MEMBRANE HOUSING

Pentek RO Membrane housing is made from high-quality polypropylene and will accommodate most standard 12" membrane elements. Both the ribbed cap and the housing are one-piece injection molded parts, requiring no solvents or glues to be used in the manufacturing process. The ribbed cap incorporates acme square threads and two o-rings to ensure a leak-proof seal.

The RO Membrane Housing has a straight inlet and is equipped with two (2) 90° outlets, eliminating the need for additional elbows. All ports have standard 1/8" NPT threads.

REVERSE OSMOSIS MEMBRANES

100% DRY MEMBRANES: MAXIMUM SHELF LIFE

Each RO membrane is individually packed dry. We do not add any chemical preservative, reducing the risk of bacterial contamination, which can happen when the preservative is expired.

GLOSSARY

Rejection

Percentage of total dissolved solids reduced in the inlet water. The higher the rejection is, the better the membrane performs.

Recovery

Quantity of permeate produced compared with the quantity of concentrate rejected to the drain. The higher the recovery, the lower the rejection.

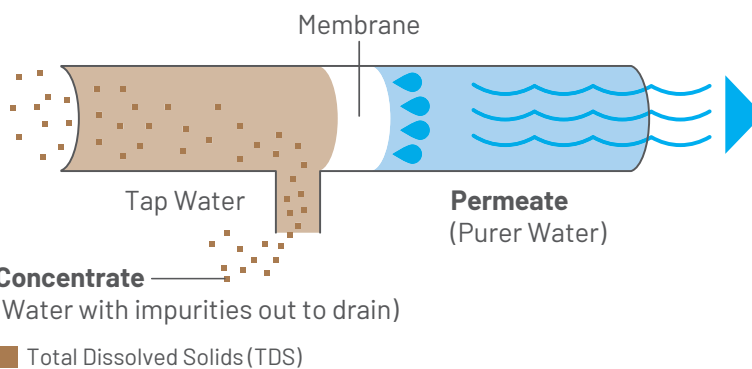
REVERSE OSMOSIS MEMBRANE HOUSING

PART NUMBER	DESCRIPTION	CASE QTY
SH144376	Reverse Osmosis Membrane Housing	35

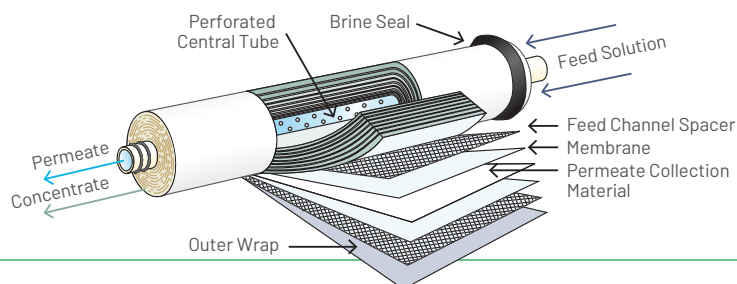


REVERSE OSMOSIS PRINCIPLE OF OPERATION

FROM TAP WATER TO PURER WATER



REVERSE OSMOSIS MEMBRANE CONSTRUCTION



TLC SERIES MEMBRANES



The TLC Series membranes use an innovative Thin Layer Composite membrane to provide higher quality water for a broad range of water chemistries. Each membrane is required to meet our factory's strict performance requirements prior to shipment.

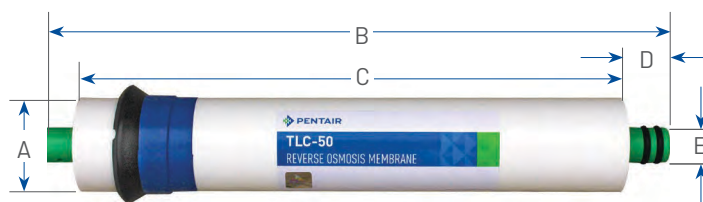
TECHNICAL FEATURE	BENEFIT
TLC (Thin Layer Composite) membrane	→ Higher quality water in a broad range of input water chemistries and high rejection stability even at a high TDS input
100% dry membrane	→ Maximization of shelf life
Resists deionized (DI) water and other inorganic solutions	→ Maintain high standards of performance for critical contamination control systems and processes



The TLC membrane series (TLC-50, and TLC-100) have been TESTED and CERTIFIED by NSF International to NSF/ANSI Standard 58 for material safety and the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Turbidity, Fluoride, Lead, Radium 226/228, Selenium & TDS.

SPECIFICATIONS

Flow Rate* (gpd)	50, 100
Rejection	TLC-50: 96% TLC-100: 97%
pH	4-11
Contaminant	Dissolved Solids
Free Chlorine	0.1 ppm
Maximum Temperature	120°F (49°C)
Maximum Pressure	100 psi (6.9 bar)



MODEL	PART NUMBER	CASE QTY	SPECIFICATIONS		DIMENSIONS				
			FLOW RATE*		A	B	C	D	E
TLC-50	555694-00	25	50 gpd (189 lpd)		1.8" (45.5 mm)	11.75" (298.5 mm)	10" (254.0 mm)	0.875" (22.2 mm)	0.67" (17.2 mm)
TLC-100	655045-00	25	100 gpd (378 lpd)						

* Nominal performances are based on a 500 ppm softened tap water at 65 psi, 77°F, 15% recovery after 24 hours. Individual element flux may vary $\pm 15\%$.

GRO SERIES ENCAPSULATED RO MEMBRANES

GRO RO membranes are available for two flow rate levels: 50 and 75 gpd. They provide higher quality reverse osmosis water while providing double the recovery over standard reverse osmosis elements.

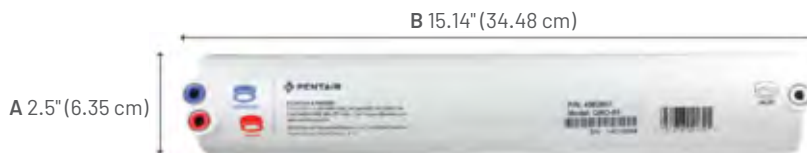
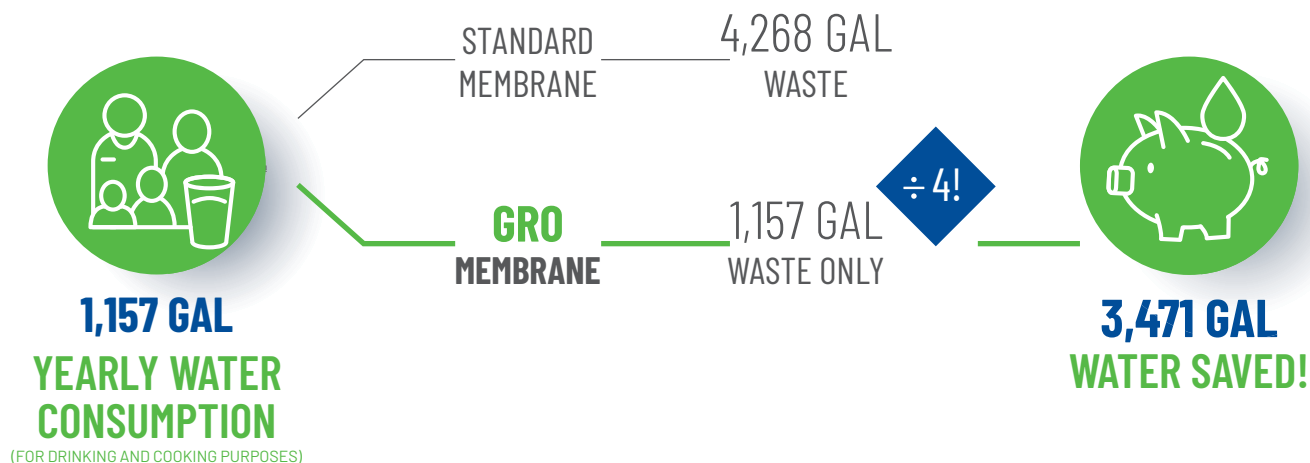
Bonus: They are designed to retrofit into many RO systems.



Higher performance upgrade,
innovative design...

... and 50% recovery rate*:

* Test results for individual element. Performance will vary when tested in a system.



		SPECIFICATIONS						DIMENSIONS	
MODEL	PART NUMBER	FLOW RATE*	REJECTION*	MAXIMUM PRESSURE	MAXIMUM TEMPERATURE	pH	FREE CHLORINE	A	B
GRO-50EN	4002574	50 gpd (189 lpd)	96%	125 psi	120°F	4-11	0.1 ppm	2.5"	15.14"
GRO-75EN	4002575	75 gpd (284 lpd)		6.9 bar	49°C			6.35 cm	38.45 cm



GRO SERIES ENCAPSULATED RO MEMBRANES

Encapsulated GRO membranes are available for two flow rate levels: Standard RO membranes provide filtered water at 25% recovery [one (1) gallon of filtered water to four (4) gallons reject water to drain], where GRO membranes can achieve similar or improved filtration performance at an improved 50% recovery [one (1) gallon of filtered water to one (1) gallon reject water to drain]. The use of GRO membranes allows a saving of about 3,471 gallons of water per year, for a typical family of four people.

TECHNICAL FEATURE		BENEFIT
Double the recovery over standard reverse osmosis elements (50% instead of 25%)	→	Three times less water rejected to the drain (1:1 with GRO and 1:4 with standard RO)
High rejection stability at high input TDS	→	High performance even under extreme conditions
Resist DI water and other inorganic solutions	→	Maintain high standards of performance for critical contamination control systems and processes



The GRO-50EN and GRO-75EN are Tested and Certified by NSF International against NSF/ANSI Standard 58 for the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Turbidity, Fluoride, Lead, Radium 226/228, and Selenium materials and for structural integrity requirements

SPECIFICATIONS

Flow Rate* (gpd)	50, 75
Rejection	96%
pH	4-11
Contaminant	Dissolved Solids
Free Chlorine	0.1 ppm
Maximum Temperature	120°F (49°C)
Maximum Pressure	125 psi (6.90 bar)

GRO SERIES

PART NUMBER	DESCRIPTION	DRAIN LINE FLOW CONTROL	PERMEATE CHECK VALVE	CASE QTY
Pentair Residential GRO Membranes w/o Drain Line Flow Control				
4002574	GRO-50EN	Not Included	Included	16
4002575	GRO-75EN	Not Included	Included	16
Pentair Residential GRO Membranes w/Drain Line Flow Control				
4004424	GRO-50EN	150 mL/min	Included	16
4004425	GRO-75EN	200 mL/min	Included	16
Pentair Residential GRO Membranes / No Check Valve				
4005459	GRO-50EN	Not Included	Not Included	16
4005460	GRO-75EN	Not Included	Not Included	16

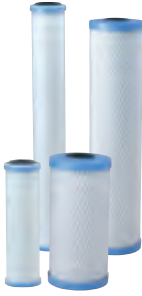
* Nominal performances are based on a 500 ppm softened tap water at 65 psi (4.48 bar), 77°F, 15% recovery after 24 hours. Individual element flux may vary $\pm$ 15%.

CARBON CARTRIDGE OVERVIEW

Pentair offers an extensive selection of quality carbon cartridges, with high performing technologies suitable for applications requiring difficult contaminant reduction like chloramines, PFAS and organic compounds.

When particulate reduction, resistance to plugging, reduction of large organic compounds and low pressure drop over the life of the cartridge matter most, our proprietary Fibredyne media is recommended.

Our carbon capabilities also include granular and pleated technologies designed to reduce bacteria, cysts and chlorine, taste & odor.

	EXTRUDED BLOCK				
	CB SERIES	EPM SERIES	EP SERIES	DFX	CHLORPLUS SERIES
					
Benefits	Excellent chlorine reduction with high capacity	Economically priced cartridge for good chlorine reduction	Very good chlorine reduction with high dirt-holding capacity	Good chlorine reduction with high dirt-holding capacity	Excellent chlorine and chloramine reduction as well as pesticide reduction
Available Length	9 3/4", 20", 10"BB, 20"BB	9 3/4", 20", 10"BB, 20"BB	9 3/4", 20", 30", 10"B, 20"BB	9 3/4"	9 3/4", 10", 10"BB, 20"BB
Available Micron Rating Nominal	0.5 µm	10 µm	5 µm	10 µm	1 µm
Dirt holding Capacity	++	+++	++++	++++	++
Chlorine Taste & Odor Reduction	+++	+	++	++	+++
VOC Reduction	No	No	No	No	No
Chloramine Reduction	No	No	No	No	+++++
Cysts and Bacteria Reduction	No	No	No	No	No
Pesticides	No	No	No	No	No
Hot Water Applications (up to 82°C)	Yes	Yes	Yes	No	No

	GRANULAR ACTIVATED CARBON CARTRIDGES			IMPREGNATED CARBON CARTRIDGES	
	GAC SERIES	CC SERIES	RFC SERIES	C SERIES	NCP SERIES
					
Benefits	Effectively reduces unwanted tastes and odors, including chlorine, taste & odor from drinking water. Designed to allow maximum contact between water and carbon, ensuring optimal adsorption	Improved contaminant reduction through coconut carbons, includes post-filter to reduce carbon fines in water before exiting the filter	Incorporates a spun polypropylene core sandwiched between the outer shell and the granular activated carbon significantly reducing the release of carbon fines commonly associated with GAC style	Economical solution for all general purpose water filtration needs. Has to be used on chlorinated water due to its cellulose media	Polyester media helps cartridges to be resistant to bacterial attack and to be used on non-chlorinated water applications
Available Length	5", 9 3/4", 10", 20", 10"BB, 20"BB	9 3/4"	9 3/4", 20", 10"BB, 20"BB	4 7/8", 9 3/4", 20", 20"BB	9 3/4", 20", 10"BB, 20"BB
Available Micron Rating Nominal	—	—	25 µm	5 µm	10 µm
Dirt holding Capacity	+	+	+++	++++	+++++
Chlorine, Taste & Odor Reduction	+	++	+	+	+
VOC Reduction	No	No	No	No	No
Chloramine Reduction	No	No	No	No	No
Cysts and Bacteria Reduction	No	No	No	No	No
Pesticides	No	No	No	No	No
Hot Water Applications (up to 82°C)	No	No	No	No	No

FIBREDYNE

	CFB-PLUS	FLOPLUS	FLOPLUS PROTECT
			
Benefits	Excellent chlorine reduction with 5x dirt holding capacity* and low pressure drop	Excellent chlorine and cyst reduction with 5x dirt holding capacity* and low pressure drop	Whole home PFAS reduction with 5x dirt holding capacity* and low pressure drop
Available Length	9 3/4", 20", 30", 10"BB, 20"BB	9 3/4", 20", 10"BB, 20"BB	20"BB
Available Micron Rating Nominal	5 µm	0.5 µm	0.5 µm
Dirt holding Capacity	++++	++++	++++
Chlorine Taste & Odor Reduction	++++	++++	++++
VOC Reduction	No	No	No
Chloramine Reduction	No	No	No
Cysts and Bacteria Reduction	No	Yes	No
Pesticides	No	No	No
Hot Water Applications (up to 82°C)	Yes	No	No

*Compared to Pentair extruded block cartridge average

MANUFACTURING SITES

Pentair carbon cartridges are made in three different locations, each one having its own specialty.

Pentair Dover facility focuses on industrial filtration product lines, producing fiber wound carbon and extruded carbon filters. Dover is the place where our proprietary Fibredyne technology was born.

Pentair Suzhou facility is certified ISO 9001:2008 and has over 150,000 square feet of manufacturing space. Multiple products such as carbon extrusion, GAC, melt-blown cartridges, ultrafiltration modules, residential reverse osmosis membranes, filtration housings and systems are manufactured in Suzhou.

Pentair Reynosa facility is certified ISO 9001:2008 and utilizes its mechanical filtration to produce our carbon-impregnated media cartridges.

DOVER, NEW HAMPSHIRE, USA



SUZHOU, CHINA



REYNOSA, MEXICO

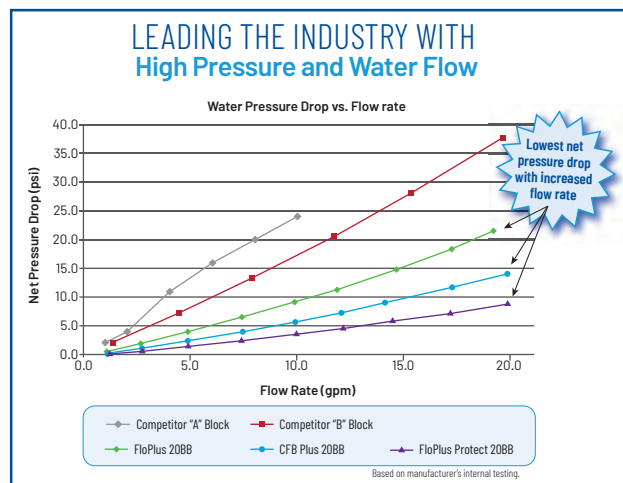
ADVANCED & UNMATCHED TECHNOLOGY

FIBREDYNE FILTRATION

We are proud to deliver a trusted technology that empowers homeowners to enjoy peace of mind, knowing they can have confidence in cleaner water for the home. Achieve superior water quality with Fibredyne Filtration Technology designed for exceptional whole home water protection.

FEATURES & BENEFITS

- ◆ Targeted contaminant reduction in a single filter with carbon and sediment filtration technologies
- ◆ 5x dirt holding capacity means less cartridge change-outs for you and your customers*
- ◆ Low water pressure drop helps provide consistent, reliable water flow for the whole home
- ◆ Differentiated filter cartridge types and sizes to meet your specific needs



*5x dirt holding capacity when compared to extruded block cartridges. Based on manufacturer's internal testing.



UNDERSTANDING THE PRINCIPLE OF ADSORPTION

Carbon works on the principle of adsorption, a process by which matter adheres to the surface area of an adsorbent material.

Materials such as coal, wood and coconut are transformed into carbon, which is then activated, either chemically or thermally. This activation creates pores in the carbon surface resulting in a product with a very large amount of active surface area.

Carbon pores are classified into 3 categories:

1. Macropores

Size is more than 5000 Å (0,5 µm), typical of wood

2. Mesopores

Size is more than 40 Å (> 0,004 µm) but less than 5000 Å, typical of coal

3. Micropores

Size is less than 40 Å (< 0,004 µm), typical of coconut

The type and size of the contaminant to be reduced determines which carbon material type needs to be used.

Note: Chlorine, typically sodium hypochlorite HOCl-, is not reduced by adsorption but through a catalytic process.

Thanks to activated carbon, sodium hypochlorite will be transformed into a state that no longer has any bad taste or smell properties.

TYPES OF CARTRIDGES



CARBON BLOCK

Our extruded activated carbon blocks are the primary filters used in Point of Use and Point of Entry water treatment devices for the control of chlorine and taste & odor.

They consist of virgin carbon powder, a thermoplastic binder and specialty adsorbents.



FIBREDYNE

Our proprietary Fibredyne technology consists of cellulose-free synthetic fibers impregnated with powdered activated carbon. Cartridges are then wet molded. The result combines the benefits of carbon and sediment filters to deliver up to two times the chlorine and taste & odor reduction as well as dirt-holding capacity of standard carbon blocks and sediment cartridges.

GRANULAR ACTIVATED CARBON

GAC filters are designed to allow water to enter the bottom of the cartridge, then being filtered through the entire carbon bed before exiting at the top to maximize the contact time. These upflow cartridges are designed to reduce chlorine from feed water. The nominal 20 micron rating will help to reduce carbon fines and other suspended particles as well.



IMPREGNATED CARBON

Constructed of a carbon-impregnated cellulose or polyester media, these dual-purpose cartridges filter out fine sediment particles and reduce chlorine and taste & odor from tap water. Pleats (NCP series) provide additional surface area for high dirt-holding capacity, while maintaining minimal pressure drop.





FLOPLUS SERIES CARBON CARTRIDGES

The FloPlus series benefits from our proprietary Fibredyne technology which consists of cellulose free synthetic fibers impregnated with powdered activated carbon (PAC). The result combines the benefits of carbon and sediment filters to deliver up to two times chlorine and taste & odor reduction as well as five times the dirt-holding capacity of standard carbon blocks and sediment cartridges. FloPlus cartridges utilize the benefit of small particle reduction at a flow rate comparable to a 10 micron rated cartridge. Efficiency is so high that very small particles can be reduced to create cleaner water and will address the needs of most end users looking for a product that offers high-flow, low pressure drop, infrequent cartridge changes and small particle reduction.



Floplus 10, Floplus 10BB, Floplus 20, and Floplus 20BB are Tested and Certified by NSF International against NSF/ANSI Standard 53 and CSA B483.1 for in models FPS-10, FPS-10BB, FPS-20 and FPS-20BB to reduce Cysts.

EPA EST. NO. 086074-NH-001

SPECIFICATIONS

Filtration Media	Fibredyne Bonded Carbon
Length	9 3/4", 20", 10" BB, 20" BB
Micron Rating	0.5
Flow Rate	FloPlus 10: 1 gpm @ 2 psi (3.8 Lpm @ 0.14 bar) FloPlus 20: 2 gpm @ 2 psi (7.6 Lpm @ 0.14 bar) FloPlus 10BB: 2 gpm @ 2 psi (7.6 Lpm @ 0.14 bar) FloPlus 20BB: 2 gpm @ 4 psi (7.6 Lpm @ 0.28 bar) FloPlus Protect 20 BB: 5 gpm @ 4 psi (18.9 Lpm @ 0.28 bar)
Contaminant	Chlorine, PFOA/PFOS*, Cysts
Capacity	FloPlus 10: 10,000 gal (37,854.12 L) FloPlus 20: 20,000 gal (75,708.24 L) FloPlus 10BB: 25,000 gal (94,635.3 L) FloPlus 20BB: 50,000 gal (189,270.59 L) FloPlus Protect 20 BB [†] : 40,000 gal (151,416 L)
Temperature Rating	40–100°F (4.4–37.8°C)

*FloPlus Protect 20 BB only.

[†]Does not reduce cysts.

TECHNICAL FEATURE

BENEFIT

Nominal 0.5 micron rating

→ Offers reduction of fine particulate larger than 0.5 microns

Enhanced Fibredyne technology

→ High flow rates and low pressure drop – comparable to a nominal 10 micron cartridge

True depth filtration

→ Extended life with fine particulate reduction



The FloPlus Protect 20BB Cartridge is certified by IAPMO R&T to NSF/ANSI 53 for the claims specified on the Performance Data Sheet when used in the FloPlus Protect 20BB System.

PFAS Cartridge

FloPlus Protect
20BB Carbon Block
655230-43

FLOPLUS SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 9 3/4"			
455903-43	FloPlus 10 Carbon Block	12	NSF/ANSI 53
Length - 20"			
455904-43	FloPlus 20 Carbon Block	12	NSF/ANSI 53
Length - 10" Big Blue			
455905-43	FloPlus 10BB Carbon Block	12	NSF/ANSI 53
Length - 20" Big Blue			
455906-43	FloPlus 20BB Carbon Block	6	NSF/ANSI 53
655230-43	FloPlus Protect 20BB Carbon Block	6	NSF/ANSI 53



CFB-PLUS SERIES CARBON CARTRIDGES

FibreDyne Carbon Block Filter Cartridges are molded blocks manufactured using our proprietary Fibredyne technology. This technology creates a unique filter media by attaching powdered activated carbon onto a cellulose-free synthetic fiber matrix. The result is a single cartridge that combines the benefits of both a sediment filter and carbon block into a single cartridge.

These cartridges are an ideal choice for a wide range of residential, foodservice, commercial and industrial applications.



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

SPECIFICATIONS

Filtration Media	Fibredyne Bonded Carbon
Length	9 3/4", 20", 30", 10"BB, 20"BB
Micron Rating	5
Flow Rate	CFB-Plus10: 1 gpm @ 1.6 psi (3.8 Lpm @ 0.11 bar) CBF-Plus20: 2 gpm @ 1.6 psi (7.6 Lpm @ 0.11 bar) CFB-Plus30: 3 gpm @ 1.6 psi (11.4 @ 0.11 bar) CFB-Plus10BB: 2 gpm @ 2.5 psi (7.6 Lpm @ 0.17 bar) CFB-Plus20BB: 4 gpm @ 2.5 psi (15.1 Lpm @ 0.17 bar)
Contaminant	Chlorine
Capacity	CFB-Plus10: 10,000 gal (37,854.12 L) CBF-Plus20: 20,000 gal (75,700 L) CFB-Plus30: 20,000 gal (75,708.24 L) CFB-Plus10BB: 25,000 gal (94,635.3 L) CFB-Plus20BB: 50,000 gal (189,270.59 L)
Temperature Rating	40–180°F (4.4–82.2°C)

TECHNICAL FEATURE

Excellent choice for high sediment applications

BENEFIT

→ Reduces premature plugging

CFB-PLUS SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 9 3/4"			
255674-43	CFB-Plus10 Modified Carbon Block	12	NSF/ANSI 42
Length - 20"			
255675-43	CFB-Plus20 Modified Carbon Block	12	NSF/ANSI 42
Length - 30"			
255676-43	CFB-Plus30 Modified Carbon Block	12	NSF/ANSI 42
Length - 10" Big Blue			
255677-43	CFB-Plus10BB Modified Carbon Block	12	NSF/ANSI 42
455908-51	CFB-Plus10BB Modified Carbon Block, Individually Shrink Wrapped	6	NSF/ANSI 42
Length - 20" Big Blue			
255678-43	CFB-Plus20BB Modified Carbon Block	6	NSF/ANSI 42
455909-51	CFB-Plus20BB Modified Carbon Block, Individually Boxed	6	NSF/ANSI 42



DIAMOND FLOW DFX SERIES CARBON CARTRIDGE

The Diamond Flow Carbon Cartridge utilizes several of the Pentair core competencies by merging technologies into one filter. It offers the effective chlorine and taste & odor reduction found in traditional carbon blocks, joined with superior sediment reduction to resist premature plugging. This dual purpose cartridge is well-suited for a wide range of applications.

TECHNICAL FEATURE		BENEFIT
Combines carbon block technology with superior sediment reduction	→	High dirt-holding capacity that is twice as resistant to particulate plugging than standard carbon blocks
Low pressure drop	→	Doesn't impact the initial flow of water
Pentair logo and micron size stamped on the cartridge	→	Easy identification after the cartridge installation



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

SPECIFICATIONS

Filtration Media	Carbon Core Polypropylene Shell
Length	9¾"
Micron Rating	10
Flow Rate	1 gpm @ 1 psi (3.8 Lpm @ 0.07 bar)
Contaminant	Chlorine
Capacity	2,500 gal (9,463.53 L)
Temperature Rating	40-125°F (4.4-51.7°C)

DIAMOND FLOW SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 9¾"			
655130-43	DFX-CB-10 Diamond Flow Polyspun/Carbon Block	12	NSF/ANSI 42



EP SERIES CARBON CARTRIDGES

EP Series Carbon Block Cartridges are manufactured using a process that yields a cartridge with a nominal 5 micron filtration rating and high dirt-holding capacity. EP Series cartridges make an ideal choice for a wide range of residential, foodservice, commercial and industrial applications.

TECHNICAL FEATURE	BENEFIT
High porosity design	→ Helps prevent the cartridge from plugging before its adsorption capacity is exhausted
Protected by Endurawrap, a uniquely formulated polyolefin bilaminate prefilter	→ Significantly increases the life of the cartridge
High dirt-holding capacity	→ Maximizes utilization of the carbon block



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

SPECIFICATIONS

Filtration Media	Carbon Block
Length	9 3/4", 20", 10"BB, 20"BB
Micron Rating	5
Flow Rate	EP-10: 1 gpm @ 1.7 psi (3.8 Lpm @ 0.12 bar) EP-20: 2 gpm @ 1.7 psi (7.6 Lpm @ 0.12 bar) EP-10BB: 2 gpm @ 2 psi (7.6 Lpm @ 0.14 bar) EP-20BB: 2 gpm @ 2 psi (7.6 Lpm @ 0.14 bar)
Contaminant	Chlorine
Capacity	EP-10: 6,000 gal (22,712.5 L) EP-20: 12,000 gal (45,424.94 L) EP-10BB: 22,000 gal (83,279.06 L) EP-20BB: 44,000 gal (166,558.12 L)
Temperature Rating	40–180°F (4.4–82.2°C)

EP SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 9 3/4"			
155531-43	EP-10 Carbon Block	12	NSF/ANSI 42
Length - 20"			
155529-43	EP-20 Carbon Block	6	NSF/ANSI 42
Length - 10" Big Blue			
155548-43	EP-BB Carbon Block	4	NSF/ANSI 42
Length - 20" Big Blue			
155583-43	EP-20BB Carbon Block	4	NSF/ANSI 42



EPM SERIES CARBON CARTRIDGES

The EPM series is a modified version of our EP Series Carbon cartridges. An economical price makes it suitable for chlorine and taste & odor reduction as well as sediment filtration.

TECHNICAL FEATURE	BENEFIT
High porosity design	→ Helps prevent the cartridge from plugging before its adsorption capacity is exhausted
Protected by Endurawrap, a uniquely formulated polyolefin bilaminate prefilter	→ Significantly increases the life of the cartridge
Available in 4 sizes	→ Ideal choice for a wide range of applications



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

SPECIFICATIONS

Filtration Media	Carbon
Length	9 3/4", 20", 10"BB, 20"BB
Micron Rating	10
Flow Rate	EPM-10: 1 gpm @ 0.4 psi (3.8 Lpm @ 0.03 bar) EPM-20: 2 gpm @ 0.4 psi (7.6 Lpm @ 0.03 bar) EPM-10BB: 2 gpm @ 1 psi (7.6 Lpm @ 0.07 bar) EPM-20BB: 4 gpm @ 1 psi (15.1 Lpm @ 0.07 bar)
Contaminant	Chlorine
Capacity	EPM-10: 3,000 gal (11,356.24 L) EPM-20: 6,000 gal (22,712.47 L) EPM-10BB: 15,000 gal (56,781.18 L) EPM-20BB: 30,000 gal (113,562.35 L)
Temperature Rating	40–180°F (4.4–82.2°C)

EPM SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 9 3/4"			
155634-43	EPM-10 Carbon Block	12	NSF/ANSI 42
Length - 20"			
155635-43	EPM-20 Carbon Block	6	NSF/ANSI 42
Length - 10" Big Blue			
155782-43	EPM-BB Carbon Block	4	NSF/ANSI 42
Length - 20" Big Blue			
155783-43	EPM-20BB Carbon Block	4	NSF/ANSI 42



CHLORPLUS SERIES CARBON CARTRIDGES

ChlorPlus Series Carbon Block Cartridges help reduce sediment while providing extra chloramine performance capacities. They also significantly reduce the carbon fines found in many granular canisters. The range of sizes and capacities offered make them ideal for both Point of Entry and Point of Use applications.

TECHNICAL FEATURE	BENEFIT
Charcoal based carbon	→ Highest chloramine retention capacity of Pentek cartridges
Nominal 1 micron rating	→ Excellent chloramine reduction with minimal pressure drop

SPECIFICATIONS

Filtration Media	Advanced Bonded Carbon
Length	9 3/4", 20", 10"BB, 20"BB
Micron Rating	1
Flow Rate	ChlorPlus-10: 1 gpm @ 6 psi (3.8 Lpm @ 0.41 bar) ChlorPlus Protect 10: 1 gpm @ 15 psi (3.8 Lpm @ 1.03 bar) ChlorPlus-20: 2 gpm @ 6 psi (7.6 Lpm @ 0.41 bar) ChlorPlus-10BB: 2 gpm @ 6 psi (7.6 Lpm @ 0.41 bar) ChlorPlus-20BB: 4 gpm @ 6 psi (15.2 Lpm @ 0.41 bar)
Contaminant	Chlorine, Chloramine, PFOA/PFOS*
Capacity	ChlorPlus-10: 1,000 gal (3,785.41 L) ChlorPlus Protect 10: 1,000 (3,785.41 L) ChlorPlus-20: 2,000 gal (7,570.824 L) ChlorPlus-10BB: 3,500 gal (13,248.94 L) ChlorPlus-20BB: 7,000 gal (26,497.88 L)
Temperature Rating	40-125°F (4.4-51.7°C)

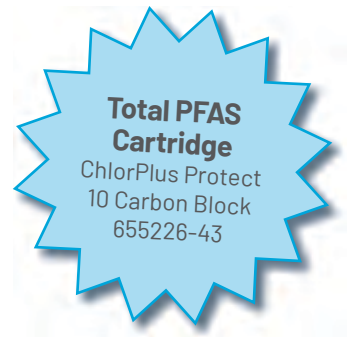
*ChlorPlus Protect 10 only



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



The ChlorPlus Protect 10 Filter Cartridge is certified by IAPMO R&T to NSF/ANSI 53 for the reduction of Total PFAS when used in the ChlorPlus Protect 10 system.



CHLORPLUS SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 9 3/4"			
255416-43	ChlorPlus 10 Carbon Block	12	NSF/ANSI 42
655226-43	ChlorPlus Protect 10 Carbon Block	12	NSF/ANSI 53
Length - 20"			
255417-43	ChlorPlus 20 Carbon Block	6	NSF/ANSI 42
Length - 10" Big Blue			
355752-43	ChlorPlus-BB Carbon Block	4	NSF/ANSI 42
Length - 20" Big Blue			
355753-43	ChlorPlus-20BB Carbon Block	4	NSF/ANSI 42



CBC SERIES CARBON CARTRIDGE

CBC Series Carbon Cartridges are highly effective at reducing unwanted chlorine and taste & odor (CTO) from potable drinking water. They are an ideal choice for a wide range of residential, foodservice, commercial and industrial applications. They also make excellent polishing filters or prefilters in applications requiring fine filtration and high capacity.



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

TECHNICAL FEATURE

BENEFIT

Nominal 0.5 micron rating



Offers reduction of fine particulate larger than 0.5 microns

Available in 4 sizes



Ideal choice for a wide range of applications

SPECIFICATIONS

Filtration Media	Bonded Carbon
Length	9 3/4", 20", 10"BB, 20"BB
Micron Rating	0.5
Flow Rate	CBC-10: 1 gpm @ 20 psi (3.8 Lpm @ 0.12 bar) CBC-20: 2 gpm @ 17 psi (7.6 Lpm @ 0.12 bar) CBC-BB: 2 gpm @ 20 psi (7.6 Lpm @ 1.38 bar) CBC-20BB: 4 gpm @ 19 psi (15.1 Lpm @ 1.31 bar)
Contaminant	Chlorine
Capacity	CBC-10: 20,000 (75.71 L) CBC-20: 45,000 gal (170,343.53 L) CBC-BB: 50,000 gal (189,270.59 L) CBC-20BB: 150,000 gal (567,811.768 L)
Temperature Rating	40–180°F (4.4–82.2°C)

CBC SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 9 3/4"			
155162-43	CBC-10 Carbon Block	12	NSF/ANSI 42
155162-51	CBC-10 Carbon Block, Individually Shrink Wrapped	4	NSF/ANSI 42
Length - 20"			
155309-43	CBC-20 Carbon Block	12	NSF/ANSI 42
Length - 10" Big Blue			
155170-43	CBC-BB Carbon Block	4	NSF/ANSI 42
Length - 20" Big Blue			
155312-43	CBC-20BB Carbon Block	4	NSF/ANSI 42



SCBC SERIES CARBON CARTRIDGE

The SCBC antimicrobial carbon block cartridge is treated to minimize biofilm and microbial buildup in the filter that can decrease product life. It is highly effective at reducing chlorine and taste & odor from potable drinking water. It is the ideal choice for a wide range of residential, foodservice, commercial and industrial applications.

TECHNICAL FEATURE	BENEFIT
High porosity design	→ Helps prevent the cartridge from plugging before its adsorption capacity is exhausted
This cartridge is protected by a prefilter outer wrap	→ Significantly increases the life of the cartridge
High dirt-holding capacity	→ Maximizes utilization of the carbon block

SPECIFICATIONS

Filtration Media	Silver-Impregnated Bonded Carbon
Length	9 3/4"
Micron Rating	0.5
Flow Rate	1 gpm @ 12 psi (3.8 Lpm @ 0.83 bar)
Contaminant	Chlorine
Capacity	20,000 gal (75,708.24 L)
Temperature Rating	40–165°F (4.4–73.9°C)

SCBC SERIES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 9 3/4"		
155350-43	SCBC-10 Silver-Impregnated Carbon Block	12

CBR2 SERIES CARBON CARTRIDGES

Pentair CBR2-10 carbon cartridges are advanced multi-media cartridges designed to reduce chlorine, taste & odor and fine particulate.



TECHNICAL FEATURE	BENEFIT
Manufactured using powdered activated carbon (PAC) with special adsorbent medium	→ Reduces chlorine and taste & odor and fine particulate
Protected by Endurawrap, a uniquely formulated polyolefin bilaminate prefilter	→ Significantly increases the cartridge life by trapping sediment that typically plugs carbon block cartridges



CBR2-10 is Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

SPECIFICATIONS

Filtration Media	Advanced Bonded Carbon
Length	9 3/4"
Micron Rating	0.5
Flow Rate	CBR2-10: 1 gpm @ 12 psi (3.8 Lpm @ 0.83 bar)
Contaminant	Chlorine
Capacity	20,000 gal (75,708.24 L)
Temperature Rating	40–165°F (4.4–73.9°C)

CBR2 SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 9 3/4"			
155268-43	CBR2-10 Carbon Block w/ Lead Reduction	12	NSF/ANSI 42
155268-51	CBR2-10 Carbon Block w/ Lead Reduction, Individually Shrink Wrapped	4	NSF/ANSI 42

CB1 SERIES CARBON CARTRIDGES



This carbon block cartridge is highly effective at reducing chlorine and taste & odor from potable drinking water. It is equally effective at reducing fine sediment. This cartridge is an ideal choice for a wide range of residential, foodservice, commercial and industrial applications. It also makes for an excellent polishing filter or prefilter in applications requiring fine filtration and high capacity.

TECHNICAL FEATURE

BENEFIT

High porosity design



Helps prevent the cartridge from plugging before its adsorption capacity is exhausted

These cartridges are protected by an outer wrap designed to trap sediment that typically plugs carbon block cartridges



Significantly increases the life of the cartridge

High dirt-holding capacity



Maximizes utilization of the carbon block



CB1-10 is Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

SPECIFICATIONS

Filtration Media	Carbon
Length	9 3/4"
Micron Rating	1
Flow Rate	CB1-10: 1 gpm (3.8 Lpm)
Contaminant	Chlorine
Capacity	400 gal (1,514.16 L)
Temperature Rating	40-180°F (4.4 - 82.2°C)

CB1 SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 9 3/4"			
255382-43	CB1-10 Coconut Carbon Block	12	NSF/ANSI 42



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

GAC SERIES CARBON CARTRIDGES

Granular Activated Carbon Filter Cartridges effectively reduce chlorine and taste & odor from drinking water. 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.

TECHNICAL FEATURE

BENEFIT

Designed to allow maximum contact between water and carbon	→	Effective chlorine and taste & odor reduction
Available in a variety of sizes and flow rates	→	Provide good general purpose drinking water filtration
20 micron post-filter	→	Reduction of carbon fines and other suspended particles from the filtered water
Post-filter permanently fastened to support basket	→	Minimizes the risk of bypass

SPECIFICATIONS

Filtration Media	Granular Activated Carbon
Length	9 3/4", 20", 10"BB, 20"BB
Micron Rating	20
Flow Rate	GAC-10: 1 gpm @ 7 psi (3.8 Lpm @ 0.48 bar) GAC-20: 2 gpm @ 16 psi (7.6 Lpm @ 1.1 bar) GAC-BB: 2 gpm @ 4 psi (7.6 Lpm @ 0.28 bar) GAC20-BB: 4 gpm @ 10 psi (14.1 Lpm @ 0.69 bar)
Contaminant	Chlorine
Capacity	GAC-10: 5,000 gal (18,927.06 L) GAC-20: 10,000 gal (37,854.12 L) GAC-BB: 12,500 gal (47,317.65 L) GAC20-BB: 25,000 gal (94,635.3 L)
Temperature Rating	40–125°F (4.4–51.7°C)

GAC Series products are intended for drinking water applications only and may not be suitable for whole-home applications.

GAC SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATIONS
Length - 9 3/4"			
155109-43	GAC-10 Granular Activated Carbon	12	NSF/ANSI 42
Length - 20"			
155111-43	GAC-20 Granular Activated Carbon	6	
Length - 10" Big Blue			
155153-43	GAC-BB Granular Activated Carbon	8	
155153-51	GAC-BB Granular Activated Carbon, Individually Shrink Wrapped	4	
Length - 20" Big Blue			
155249-43	GAC20-BB Granular Activated Carbon	4	NSF/ANSI 42



CC SERIES CARBON CARTRIDGE

CC Series Granular Activated Carbon Cartridges are an excellent choice to reduce unwanted chlorine, taste & odor and certain VOCs from potable drinking water. The construction of the cartridges 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 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, minimizing any potential for bypass.

TECHNICAL FEATURE	BENEFIT
Coconut shell based activated carbon	→ Provides better contaminant reduction than standard GAC cartridges
Internal expansion pad	→ Minimizes channeling or bypass
Special design with a post-filter	→ Reduction of carbon fines and other suspended particles from the filtered water



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

SPECIFICATIONS

Filtration Media	Coconut Granular Activated Carbon
Length	9 3/4"
Micron Rating	20
Flow Rate	1 gpm @ 4.5 psi (3.8 Lpm @ 0.31 bar)
Contaminant	Chlorine
Capacity	7,500 gal (28,390.59 L)
Temperature Rating	40–125°F (4.4–51.7°C)

CC SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 9 3/4"			
155155-43	CC-10 Coconut Granular Activated Carbon	12	NSF/ANSI 42
155155-51	CC-10 Coconut Granular Activated Carbon, Individually Shrink Wrapped	4	NSF/ANSI 42



RFC & CRFC SERIES CARBON CARTRIDGES

RFC Series is constructed with a 70 micron porous polyethylene outer shell and durable polypropylene endcaps. These 4 1/2" outer diameter cartridges incorporate a spun polypropylene core. Sandwiched between the outer shell and the core is a bed of granular activated carbon (GAC). CRFC series cartridges are ideal for Point of Entry and other high-flow rate applications.

TECHNICAL FEATURE

BENEFIT

Unique radial flow design	→ High-flow, at low pressure drop, ideal for POU or POE applications
Inner and outer sediment cores	→ Reduced carbon fines
High capacities	→ Extended cartridge life

SPECIFICATIONS

Filtration Media	Granular Activated Carbon
Length	20", 10"BB, 20"BB
Micron Rating	25
Flow Rate	RFC-20: 2 gpm @ 0.6 psi (7.6 Lpm @ 0.41 bar) RFC-BB: 2 gpm @ 0.9 psi (7.6 Lpm @ 0.62 bar) CRFC-BB: 2.5 gpm @ 2.5 psi (9.46 Lpm @ 0.17 bar) RFC20-BB: 4 gpm @ 0.9 psi (14.1 Lpm @ 0.62 bar) CRFC-20BB: 5 gpm @ 2.5 psi (18.9 Lpm @ 0.17 bar)
Contaminant	Chlorine*, Chloramine†
Capacity	RFC-20: 10,000 gal (37,854.12 L) RFC-BB: 50,000 gal (189,270.59 L) CRFC-BB: 5,000 gal (18,927.06 L) RFC20-BB: 100,000 gal (378,541.18 L) CRFC-20BB: 10,000 gal (37,854.12 L)
Temperature Rating	40–125°F (4.4–51.7°C)

* RFC-20, RFC-BB, RFC-20BB only, not certified by NSF

† CRFC-BB and CRFC-20BB only, not certified by NSF



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

RFC & CRFC SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 20"			
155065-43	RFC-20 Radial-Flow Granular Activated Carbon	6	
Length - 10" Big Blue			
155141-43	RFC-BB Radial-Flow Carbon	8	NSF/ANSI 42
155141-51	WRC25HD RFC-BB Individually Shrink Wrapped	4	
355056-43	CRFC-BB Radial Flow Carbon	8	
Length - 20" Big Blue			
155247-43	RFC20-BB Radial-Flow Granular Activated Carbon	6	NSF/ANSI 42
155247-51	WRC25HD20 RFC20-BB Individually Boxed	6	
155967-43	CRFC-20BB Radial Flow Carbon	6	



C SERIES CARBON CARTRIDGES

C Series Carbon Cartridges offer an economical solution for your general purpose water filtration needs. C Series Cartridges are available in a variety of sizes and are nominally rated at 5 microns.

TECHNICAL FEATURE	BENEFIT
Carbon-impregnated with cellulose media	→ Filters fine sediment particles and reduces chlorine and taste & odor
Polyester reinforcement backing and external netting	→ Provides cartridge strength and dirt-holding capacity



C1 Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

SPECIFICATIONS

Filtration Media	Carbon-Impregnated Cellulose
Length	4 7/8", 9 3/4", 20", 20"BB
Micron Rating	5
Flow Rate	C2: 2 gpm @ 2 psi (3.8 Lpm @ 0.14 bar) C1: 5 gpm @ 4 psi (18.9 Lpm @ 0.28 bar) C1-20: 5 gpm @ 1 psi (18.9 Lpm @ 0.69 bar) C1-20BB: 4 gpm @ 2 psi (15.1 Lpm @ 0.14 bar)
Contaminant	Chlorine
Capacity	C2: 2,500 gal (9,463.53 L) C1: 5,000 gal (18,927.06 L) C1-20: 10,000 gal (37,854.12 L) C1-20BB: 40,000 gal (151,416.47 L)
Temperature Rating	40-125°F (4.4-51.7°C)

C SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 4 7/8"			
155022-43	C2 Activated Carbon-Impregnated Cellulose	24	
155022-52	W5CIP478 C2 Cartridge, 2-Pack Shrink Wrapped	12	
Length - 9 3/4"			
155002-43	C1 Activated Carbon-Impregnated Cellulose	24	NSF/ANSI 42
155002-52	W5CIP C1 Cartridge, 2-Pack Shrink Wrapped	12	
Length - 20"			
155597-43	C1-20 Activated Carbon-Impregnated Cellulose	14	
Length - 20" Big Blue			
155651-43	C1-20BB Activated Carbon-Impregnated Cellulose	6	



NCP SERIES CARBON CARTRIDGES

The NCP Series Carbon Cartridges are constructed from a carbon-impregnated non-cellulose media. It offers sediment filtration as well chlorine and taste & odor reduction in one cartridge. This combination of a pleated polyester media and carbon filtration produces an outstanding filter cartridge with extended service life.

TECHNICAL FEATURE	BENEFIT
Constructed from a carbon-impregnated non-cellulose media	→ Can be used on non-chlorinated water applications
Pleats provide additional surface area	→ High dirt-holding capacity while maintaining minimal pressure drop
Excellent polishing filters	→ Ideal for post reverse osmosis and well water applications

SPECIFICATIONS

Filtration Media	Pleated Carbon-Impregnated Polyester
Length	9 3/4", 20", 10"BB, 20"BB
Micron Rating	10
Flow Rate	NCP-10: 3 gpm @ 2 psi (11.4 Lpm @ 0.14 bar) NCP-20: 5 gpm @ 2 psi (18.9 Lpm @ 0.14 bar) NCP-10BB: 8 gpm @ 2 psi (30.28 Lpm @ 0.14 bar) NCP-20BB: 10 gpm @ 1 psi (37.85 Lpm @ 0.69 bar)
Contaminant	Chlorine
Capacity	NCP-10: 225 gal (851.72 L) NCP-20: 450 gal (1,703.44 L) NCP-10BB: 500 gal (1,892.71 L) NCP-20BB: 1,000 gal (3,785.41 L)
Temperature Rating	40–125°F (4.4–51.7°C)

NCP SERIES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 9 3/4"		
155367-43	NCP-10 Pleated Activated Carbon Impregnated Polyester	24
Length - 20"		
155065-43	NCP-20 Pleated Activated Carbon Impregnated Polyester	14
Length - 10" Big Blue		
155398-43	NCP-10BB Pleated Activated Carbon Impregnated Polyester	8
Length - 20" Big Blue		
155382-43	NCP-20BB Pleated Activated Carbon Impregnated Polyester	6

INLINE CARTRIDGE OVERVIEW

Inline filters are an ideal choice for post-RO, under sink, ice-maker and food service applications where space constraints exist. Our quick-connect inline filters are designed for refrigerator, icemaker and water dispenser applications to help produce improved water quality for ice cubes and beverages.

	IC SERIES	GS SERIES		
	IC-101L	GS-10R0	GS-10CAL/R0	GS-10ALS
				
Connection	No fitting	1/4" FPT or Quick connect	1/4" FPT or 3/8" Quick Connect	1/4" Quick connect
Media	Coconut Shell GAC	Coconut Shell GAC	Coconut Shell GAC & Calcite	Coconut Shell GAC & HMP (hexametaphosphate)
Benefits	Good unwanted taste & odor reduction	High capacity decreases cartridge replacement frequency	Corrects low pH levels & polishes water	Minimizes limescale buildup
Micron Rating	—	5	20	20
Service Life (L)	2,500 gal (9,464 L)	3,300 gal (12,492 L)	2,000 gal (7,570 L)	1,350 gal (5,110 L)
Flow Rate	0.74 gpm (2.8 Lpm)	0.50 gpm (1.9 Lpm)	1 gpm (3.8 Lpm)	1 gpm (3.8 Lpm)
Temperature Range	40-100°F (4.4-37.8°C)			
Pressure Range	20.3 - 125 psi (1.4 - 8.62 bar)			
Dimensions (mm)	2"x10" (51 mm x 270 mm)			



IC SERIES INLINE CARTRIDGE

The IC Inline Series Cartridge is a traditional inline filter featuring coconut shell granular activated carbon. The IC series includes a durable injection molded polypropylene body and is pressure rated to 125 psi (8.6 bar). These inline cartridges are an ideal choice for post-RO, under sink, icemaker and foodservice applications.

SPECIFICATIONS

Filtration Media	Coconut Shell GAC
Dimensions	2"x10" (51mm x 270mm)
Micron Rating	20
Flow Rate	0.74 gpm (2.8 Lpm)
Capacity	2,500 gal (9,464 L)
Temperature Rating	40-100°F (4.4-37.8°C)
Pressure Range	20.3 - 125 psi (1.4 - 8.62 bar)

TECHNICAL FEATURE

Features coconut shell granular activated carbon

BENEFIT

→ Designed to reduce unwanted chlorine and taste & odor

IC SERIES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 9 3/4"		
155656-06	IC-101L Coconut Shell GAC, 10" No Fittings	48



GS SERIES INLINE CARTRIDGES

GS series is designed for many residential and commercial applications including reverse osmosis systems, coffee and ice machines, water fountains, refrigerators and other water-dispensing devices.

SPECIFICATIONS

Filtration Media	GS-10RO Coconut Shell GAC GS-10ALS-G: Coconut Shell GAC GS-10CAL/RO-B: Coconut Shell GAC, Calcite
Dimensions	2"x10" (51mm x 270mm)
Micron Rating	GS-10RO: 5 GS-10ALS-G: 20 GS-10CAL/RO-B: 20
Flow Rate	GS-10RO: 0.50 gpm (1.9 Lpm) GS-10ALS-G: 1 gpm (3.8 Lpm) GS-10CAL/RO-B: 1 gpm (3.8 Lpm)
Capacity	GS-10RO: 3,300 gal (12,492 L) GS-10ALS-G: 2,000 gal (7,570 L) GS-10CAL/RO-B: 1,350 gal (5,110 L)
Temperature Rating	40-100°F (4.4-37.8°C)
Pressure Range	20.3 - 125 psi (1.4 - 8.62 bar)

TECHNICAL FEATURE

Various combinations of different media

BENEFIT

→ Will support the needs of challenging applications

GS SERIES

PART NUMBER	DESCRIPTION	CASE QTY
255521-43	GS-10RO-B 1/4", FPT 10" 5 µm	12
255525-43	GS-10RO-G 1/4", John Guest 10" 5 µm	12
255599-43	GS-10ALS-G 1/4", John Guest 10" 20 µm	12
255541-43	GS-10CAL/RO-B 1/4", FPT 10" 20 µm	12
255546-43	GS-10CAL/RO-H-3/8" John Guest 10" 20 µm	12

SEDIMENT CARTRIDGE OVERVIEW

Sediment filtration is one of the most basic water treatment options available. This type of filtration is accomplished by mechanically filtering solid matters from a fluid stream by trapping particles in a solid media. Sediment filters can be divided into two groups depending on the type of retention used: depth filtration and surface filtration.

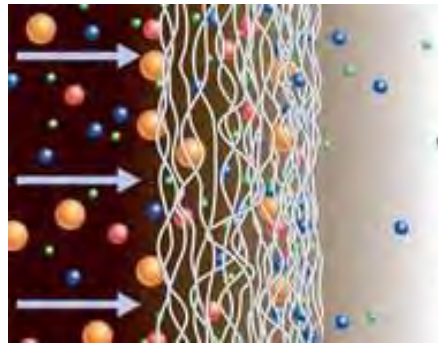
DEPTH FILTER CARTRIDGES

Meltblown Cartridges

Manufactured from polypropylene fibers which have been carefully spun together to form a true gradient density from outer to inner surfaces, Pentair meltblown filters reduce large particles such as dust or sand.

Wound Cartridges

Pentair wound cartridges are manufactured from a cord (in polypropylene or cotton) that is wound around a rigid core. They are the solution to reduce fine sediments including sand, silt, rust and scale particles.

	DEPTH FILTER CARTRIDGES
	
Principle	Particles trapped in filter depth
Filtration Media	Deep filtration media
Applications	- Filtration of larger suspended solids - Large or undefined particle sizes - Prefiltration
Type of Cartridges	Wound and meltblown cartridges

		DEPTH FILTRATION			
		MELTBLOWN CARTRIDGES		STRING WOUND CARTRIDGES	
		P SERIES	DGD SERIES	WP	WPX
					
Technical characteristics	Media	Polypropylene	Polypropylene	Fibrous polypropylene	Fibrillated polypropylene
	Central Core	No	No	Yes	Yes
	Available Length	4 7/8" to 40"	10"BB, 20"BB	10", 10"BB, 20"BB	10"BB, 20"BB
	Available Micron Rating (nominal)	1, 5, 25 µm	1, 20, 25 µm	0.5, 1, 5, 25, 30 µm	50, 100 µm
	Temperature Rating	40-145°F (4.4 - 62.8°C)	40-145°F (4.4 - 62.8°C)	40-165°F (4.4-73.9°C)	40-165°F (4.4-73.9°C)
	Filtration Efficiency*	••	•••	•••	••
	Initial Pressure Drop*	••	•	••	•

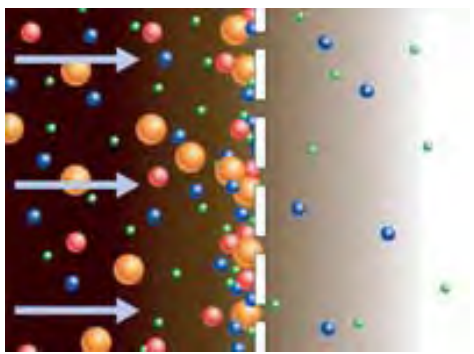
* Based on manufacturer's internal testing.

Note: • good •• very good ••• excellent

SURFACE FILTER CARTRIDGES

Pleated Cartridges

The media is pleated around a polypropylene core for added strength. This particular structure provides the maximum amount of surface area therefore of dirt-holding capacity.

	SURFACE FILTER CARTRIDGES
	
Principle	Particles stopped on filter surface
Filtration Media	Thin filtration media
Applications	- Filtration of finer suspended solids - Narrow or defined particle sizes - Prefiltration and final filtration
Type of Cartridges	Pleated cartridges

		SURFACE FILTRATION		
		PLEATED CARTRIDGES		
		ECP	R SERIES	S1
				
Technical characteristics	Media	Cellulose polyester	Non-woven polyester	Resin-impregnated cellulose
	Central Core	Yes	Yes	Yes
	Available Length	9 3/4", 20", 10"BB, 20"BB	9 3/4", 20", 10"BB, 20"BB	9 3/4", 20", 10"BB, 20"BB
	Available Micron Rating (nominal)	5, 20, 50 µm	30, 50 µm	20 µm
	Temperature Rating	40-125°F (4.4-51.7°C)	40-125°F (4.4-51.7°C)	40-145°F (4.4-62.8°C)
	Filtration Efficiency*	..	..	..
	Initial Pressure Drop*	..	..	.

Note: • good .. very good ... excellent

PLEATED CELLULOSE SEDIMENT CARTRIDGES



Pleated Cellulose Filter Cartridges are manufactured from a pleated cellulose media and are designed for general water filtration purposes. The overlap seam is sonically welded to reduce bypass, improving filtration efficiency.

TECHNICAL FEATURE	BENEFIT
Pleated design	→ Maximizes dirt-holding capacity
Nominal 20 micron rating	→ Designed for general water filtration purposes
Comes in multiple lengths	→ Fits a variety of applications

SPECIFICATIONS

Filtration Media	Pleated Resin Impregnated Cellulose
Length	9 3/4", 20", 10"BB, 20"BB
Micron Rating	20
Flow Rate	S1: 10 gpm @ 2.4 psi (37.85 Lpm @ 0.17 bar) S1-20: 10 gpm @ 0.8 psi (37.85 Lpm @ 0.55 bar) S1-BB: 10 gpm @ 1.2 psi (37.85 Lpm @ 0.08 bar) S1-20BB: 10 gpm @ 1.2 psi (37.85 Lpm @ 0.08 bar)
Contaminant	Sediment
Capacity	6-12 Months
Temperature Rating	40-125°F (4.4-51.7°C)

S1 SERIES PLEATED CELLULOSE SERIES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 9 3/4"		
155001-43	S1 Pleated Cellulose	24
155001-52	W20CLA S1 Pleated Cellulose, 2-Pack Shrink Wrapped	12
Length - 20"		
155303-43	S1-20 Pleated Cellulose	14
155405-52	W20 S1-BB Pleated Cellulose, Individually Shrink Wrapped	8
Length - 10" Big Blue		
155405-43	S1-BB Pleated Cellulose	8
Length - 20" Big Blue		
155305-43	S1-20BB Pleated Cellulose	6
155305-52	W20 S1-20BB Pleated Cellulose, Individually Shrink Wrapped	6

ECP PLEATED CELLULOSE-POLYESTER SEDIMENT CARTRIDGES



Pleated Cellulose-Polyester Filter Cartridges are manufactured from a special formulation of resin-impregnated cellulose and polyester fibers. The media is pleated around a polypropylene core for additional strength. These pleated ends are sealed to the endcap with a thermoplastic adhesive. The overlap seam is sonically welded to reduce internal bypass, improving filtration efficiency.

TECHNICAL FEATURE

BENEFIT

Special formulation of resin-impregnated cellulose and polyester fiber



Higher wet strength versus regular cellulose cartridges and high flow rates / dirt-holding capacity for an extremely low pressure drop

End caps immersed in a thermo-setting vinyl plastisol



Increase of the cartridge's strength

Color-coding system of cartridge endcaps



Easy identification of micron ratings

SPECIFICATIONS

Filtration Media	Pleated Cellulose-Polyester
Length	9 3/4", 20", 10"BB, 20"BB
Micron Rating	5 micron: ECP5-10, ECP5-20, ECP5-BB, ECP5-20BB 20 micron: ECP20-10, ECP20-20, ECP20-BB, ECP20-20BB 50 micron: ECP50-10, ECP50-BB, ECP50-20BB
Flow Rate	Standard Cartridges: 10 gpm @ 1 psi (37.85 Lpm @ 0.69 bar) BB Cartridges: 20 gpm @ 1 psi (75.71 Lpm @ 0.69 bar)
Contaminant	Sediment
Capacity	6-12 Months
Temperature Rating	40-125°F (4.4-51.7°C)

ECP SERIES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 9 3/4"		
255482-43	ECP5-10 Pleated Cellulose-Polyester	24
255483-43	ECP20-10 Pleated Cellulose-Polyester	24
255484-43	ECP50-10 Pleated Cellulose-Polyester	24
Length - 20"		
255486-43	ECP5-20 Pleated Cellulose-Polyester	14
255487-43	ECP20-20 Pleated Cellulose-Polyester	14
Length - 10" Big Blue		
255490-43	ECP5-BB Pleated Cellulose-Polyester	8
255491-43	ECP20-BB Pleated Cellulose-Polyester	8
155184-51	W5CPHD ECP5-BB Pleated Cellulose Individually Shrink Wrapped	8
255492-43	ECP50-BB Pleated Cellulose-Polyester	8
Length - 20" Big Blue		
255494-43	ECP5-20BB Pleated Cellulose-Polyester	6
255495-43	ECP20-20BB Pleated Cellulose-Polyester	6
255496-43	ECP50-20BB Pleated Cellulose-Polyester	6

R SERIES PLEATED POLYESTER SEDIMENT CARTRIDGES

Pleated Polyester Filter Cartridges are manufactured from a durable, non-woven and reusable polyester fabric that is suitable for a wide range of filtration uses. The pleated endcaps of the standard cartridges are immersed in a thermo-setting vinyl plastisol. The overlap seam is sonically welded to reduce internal bypass improving filtration efficiency. Pleated Polyester Filter Cartridges are resistant to both bacteria and chemical attack making them suitable for a variety of residential, commercial and industrial applications.



TECHNICAL FEATURE

BENEFIT

Pleated design



Maximized dirt-holding capacity which extends the time period between changes or cleaning

Manufactured from a durable, non-woven and reusable polyester fabric



Suitable for a wide range of filtration uses. Bacteria and chemical resistant

The media is pleated around a polypropylene core



Increased strength

SPECIFICATIONS

Filtration Media	Pleated Polyester - Rinseable
Length	9 3/4", 20", 10"BB, 20"BB
Micron Rating	30 micron: R30, R30-20, R30-BB, R30-20BB 50 micron: R50, R50BB
Flow Rate	R30, R50, R30-20, R30-BB, R50-BB: 10 gpm @ 1 psi (37.85 Lpm @ 0.69 bar) R30-20BB: 20 gpm @ 1 psi (75.71 Lpm @ 0.69 bar)
Contaminant	Sediment
Capacity	6-12 Months
Temperature Rating	40-125°F (4.4-51.7°C)

R SERIES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 9 3/4"		
155017-43	R30 Pleated Polyester, 30 µm, Reusable	24
155017-52	W30PE R30 Pleated Polyester, 2-Pack Shrink Wrapped	12
155038-43	R50 PLEATED POLYESTER, 50 µM, REUSABLE	24
Length - 20"		
155416-43	R30 Pleated Polyester, 30 µm, Reusable	14
Length - 10" Big Blue		
155101-43	R30 BB Pleated Polyester, 30 µm, Big Blue Reusable	8
155101-51	W30PEHD R30 BB Pleated Polyester, Individually Shrink Wrapped	8
155053-43	R50 BB Pleated Polyester, 50 µm, Big Blue Reusable	8
155053-51	W50PEHD R50 BB Pleated Polyester, Individually Shrink Wrapped	8
Length - 20" Big Blue		
155430-43	R30 20BB Pleated Polyester, 30 µm, Big Blue Reusable	6



P SERIES SPUN POLYPROPYLENE SEDIMENT CARTRIDGES

Spun Polypropylene Filter Cartridges are manufactured from 100% polypropylene fibers. These filter cartridges will not impart taste, odor or color to the liquid being filtered when used within the recommended temperature limit. The coreless strength of the cartridges is achieved by sintering the many fibers into a solid matrix.

TECHNICAL FEATURE

BENEFIT

Manufactured from pure 100% polypropylene



Designed for chemical comparability

Spun fibers form a true gradient density from outer to inner surfaces



Provides exceptional chemical resistance

Nominal 1, 5, 25 micron rating



Accommodates a variety of filtration needs



P1, P1-20, P5, P5-20, and W5P are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

SPECIFICATIONS

Filtration Media	Spun Polypropylene
Length	4 $\frac{7}{8}$ ", 9 $\frac{3}{4}$ ", 20", 30", 40"
Micron Rating	1 micron: P1, P1-20 5 micron: P5-478, P5, P5-20, P5-30, P4-40 25 micron: P25, P25-20
Flow Rate	P5-478: 2 gpm @ 0.3 psi (7.6 Lpm @ 0.04 bar) P1: 5 gpm @ 0.6 psi (18.9 Lpm @ 0.04 bar) P5, P25: 5 gpm @ 0.2 psi (18.9 Lpm @ 0.01 bar) P1-20, P5-20: 10 gpm @ 0.6 psi (37.85 Lpm @ 0.04 bar) P25-20: 10 gpm @ 0.2 psi (37.85 Lpm @ 0.01 bar) P5-30, P5-40: 10 gpm @ 0.2 psi (37.85 Lpm @ 0.01 bar)
Contaminant	Sediment
Capacity	6-12 Months
Temperature Rating	40-145°F (4.4-62.8°C)

P SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
Length - 4$\frac{7}{8}$"			
155030-43	P5-478 Spun Polypropylene	24	
Length - 9$\frac{3}{4}$"			
155225-43	P1 Spun Polypropylene	24	NSF/ANSI 42
155014-43	P5 Spun Polypropylene	24	NSF/ANSI 42
155014-52	W5P P5 Spun Polypropylene, 2-Pack Shrink Wrapped	12	NSF/ANSI 42
155015-43	P25 Spun Polypropylene	24	
Length - 20"			
155304-43	P1-20 Spun Polypropylene	20	NSF/ANSI 42
155016-43	P5-20 Spun Polypropylene	20	NSF/ANSI 42
155226-43	P25-20 Spun Polypropylene	20	
Length - 30"			
155228-43	P5-30 Spun Polypropylene	20	
Length - 40"			
155422-43	P5-40 Spun Polypropylene	20	

DGD SERIES SEDIMENT CARTRIDGES



Sized for use in Big Blue Filter Housings, these cartridges will not impact taste, odor or color of the liquid being filtered. The DGD Series' advanced design combines selective final filtration with appropriate prefiltration to achieve up to three times the dirt-holding capacity of similar size sediment cartridges and even greater capacity than standard spun or string wound cartridges. The design and performance characteristics of the DGD cartridges make them an excellent choice for residential, rural, municipal and commercial applications.

TECHNICAL FEATURE

BENEFIT

Manufactured from 100% polypropylene



Provides exceptional chemical resistance

Combines two separate gradient layers in one filter



Selective final filtration with appropriate pre-filtration

The effective filter depth is increased to a full 233% of standard spun-polypropylene or string wound filters



Provides high particulate reduction efficiencies and added loading capacity



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

SPECIFICATIONS

Filtration Media	Spun Polypropylene
Length	10"BB, 20"BB
Micron Rating	1 micron: DGD-2501 5 micron: DGD-5005 25 micron: DGD-7525
Flow Rate	10BB: 10 gpm @ 1psi (37.8 Lpm @ 0.69 bar) 20BB: 20 gpm @ 1psi (75.7 Lpm @ 0.69 bar)
Contaminant	Sediment
Capacity	6-12 Months
Temperature Rating	40-145°F (4.4-62.8°C)

DGD SERIES

PART NUMBER	DESCRIPTION	CASE QTY	CERTIFICATION
10" Big Blue			
155359-43	DGD-2501 Dual Gradient Density Polypropylene, 1 Micron	8	NSF/ANSI 42
155357-43	DGD-5005 Dual Gradient Density Polypropylene, 5 Micron	8	NSF/ANSI 42
155357-51	WDGD-5005 Dual Gradient Density Polypropylene, 5 Micron - Individually Shrink Wrapped	4	NSF/ANSI 42
155355-43	DGD-7525 Dual Gradient Density Polypropylene, 25 Micron	8	NSF/ANSI 42
20" Big Blue			
155360-43	DGD-2501-20 Dual Gradient Density Polypropylene, 1 Micron	6	NSF/ANSI 42
155358-43	DGD-5005-20 Dual Gradient Density Polypropylene, 5 Micron	6	NSF/ANSI 42
155356-43	DGD-7525-20 Dual Gradient Density Polypropylene, 25 Micron	6	NSF/ANSI 42

POLYPROPYLENE STRING WOUND (FIBRILLATED) SEDIMENT CARTRIDGES



Polypropylene String Wound (Fibrillated) Filter Cartridges are manufactured in 10" and 20" lengths and in 2.5" and 4.5" diameters from a durable polypropylene string that is wound around a rigid polypropylene core. These filter cartridges are a great solution to reduce fine sediment including rust, sand and scale particles. Suitable for a wide range of sediment applications, these cartridges can be used for municipal and well water, and are chemical resistant so they can be used with many industrial fluids.

TECHNICAL FEATURE

BENEFIT

Manufactured from 100% polypropylene



Provides excellent chemical resistance

Fibrillated string-wound pattern



Increased surface area, with robust media structure

SPECIFICATIONS

Filtration Media	Fibrillated Polypropylene String Wound
Length	10", 10" BB, 20"BB*
Micron Rating	0.5: 355212-43 1: 355222-43 5: 355214-43, 355223-43, 155186-52 25: 355225-43 30: 155187-52 50: 355220-43 100: 355221-43, 355226-43
Flow Rate	WPX50BB97P: 30 gpm @ 8 psi (113.56 Lpm @ 0.55 bar) WPX100BB97P: 40 gpm @ 8 psi (151.41 Lpm @ 0.55 bar) WPX100BB20P: 65 gpm @ 8 psi (246.05 Lpm @ 0.55 bar)
Contaminant	Sediment
Capacity	6-12 Months
Temperature Rating	40-165°F (4.4-73.9°C)

*Actual cartridge length 20.5"

PENTEK WP-BB AND WPX-BB SERIES

PART NUMBER	DESCRIPTION	MICRON RATING	CASE QTY
Length - 9-3/4"			
155186-52	W5W, Fibrillated Polypropylene String Wound, 2-Pack Shrink Wrapped	5	12
155187-52	W30W, Fibrillated Polypropylene String Wound, 2-Pack Shrink Wrapped	30	12
Length - 10" Big Blue			
355212-43	WP.5BB97P Fibrillated Polypropylene String Wound	0.5	8
355214-43	WP5BB97P Fibrillated Polypropylene String Wound	5	8
355220-43	WPX50BB97P Fibrillated Polypropylene String Wound	50	8
355221-43	WPX100BB97P Fibrillated Polypropylene String Wound	100	8
Length - 20" Big Blue			
355222-43	WP1BB20P Fibrillated Polypropylene String Wound*	1	6
355223-43	WP5BB20P Fibrillated Polypropylene String Wound*	5	6
355225-43	WP25BB20P Fibrillated Polypropylene String Wound*	25	6
355226-43	WPX100BB20P Fibrillated Polypropylene String Wound	100	6



FIBREDYNE ELECTROPLATING SEDIMENT CARTRIDGES

Fibredyne Electroplating Sediment Cartridges are premium activated carbon filter cartridges specifically designed for electroplating solutions. The fibrous physical structure created by Fibredyne technology produces a unique block with true depth filtration capability which allows for maximum treatment with minimum pressure drop through the cartridge.

TECHNICAL FEATURE	BENEFIT
Cellulose-free construction	→ Resistant to chemical breakdown in both acidic and alkaline solutions up to 180° F (82°C)
Integrated post-filtration layer	→ Helps ensure that no carbon fines are bled into the plating bath
Endcap gaskets are permanently molded on the endcaps	→ Easy filter cartridge change-out

SPECIFICATIONS

Filtration Media	Fibredyne Advanced Bonded Carbon
Length	9 7/8", 10", 20", 30", 40"
Micron Rating	7
Flow Rate	N/A
Use	Electroplating Process
Capacity	N/A
Temperature Rating	40–180°F (4.4–82.2°C)

FIBREDYNE ELECTROPLATING FILTER CARTRIDGES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 9.8"		
C-155X9.8T	C-155 Electroplating Cartridge, 9.8" length	30
Length - 10"		
255668-43	ELPC-10 Electroplating Cartridge	30
Length - 20"		
255669-43	ELPC-20 Electroplating Cartridge	20
C-155X20T	C-155 Electroplating Cartridge, 20" length	20
Length - 30"		
255670-43	ELPC-30 Electroplating Cartridge	20
C-155X30T	C-155 Electroplating Cartridge, 30" length	20
Length - 40"		
C-155X40T	C-155 Electroplating Cartridge, 40" length	12

FIBREDYNE OIL ADSORBING SEDIMENT CARTRIDGES



Fibredyne Oil Adsorbing Filter Cartridges reduce high amounts of dissolved, dispersed and emulsified hydrocarbons from water. The proprietary filter media, which is made using Pentair Fibredyne technology, chemically bonds with hydrocarbons.

TECHNICAL FEATURE		BENEFIT
Instantaneous adsorption of oils	→	Up to 95% of total hydrocarbons reduced in a single pass
Media can hold 340% of its own weight, with no release of reduced hydrocarbons	→	Maximized cartridge life
High-flow rate, Low pressure drop	→	Ideal for industrial applications

SPECIFICATIONS

Filtration Media	Fibredyne
Length	20"BB
Micron Rating	Not rated
Flow Rate	N/A
Use	Oil Adsorption
Capacity	OAC Plus-20BB: 3,096 gms
Temperature Rating	40-180°F (4.4-82.2°C)

FIBREDYNE OIL ADSORBING CARTRIDGES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 20" Big Blue		
655139-03	OAC Plus-20BB	6



PCF SERIES DEIONIZATION FILTER CARTRIDGES

Deionization Filter Cartridges are designed to meet the requirements for deionized water in many industries. They are manufactured using resin that has been subjected to additional post-production steps to minimize the total organic compound (TOC) level. These high-capacity, semi-conductor-grade resin cartridges are ideal for use in pharmaceutical and medical laboratories, cosmetics and circuit boarding printing applications.

TECHNICAL FEATURE		BENEFIT
Cartridge design	→	Offers small footprint and easy changeout
Designed for deionizing water up to 16 megohms	→	For application requiring high purity water
Three sizes and capacities	→	Available for a broad range of installations

SPECIFICATIONS

Filtration Media	Deionization Mixed Bed Resin
Length	10", 20", 20"BB
Micron Rating	Not rated
Flow Rate	PCF1-10MB: 0.25 gpm @ 1.5 psi (0.95 Lpm @ 0.10 bar) PCF1-20MB: 0.50 gpm @ 3.4 psi (1.9 Lpm @ 0.23 bar) BBF1-20MB: 1.25 gpm @ 1.1 psi (4.73 Lpm @ 0.08 bar)
Contaminant	TDS/TOC
Capacity	PCF1-10MB: 720 grains PCF1-20MB: 600 grains BBF1-20MB: 1,850 grains
Temperature Rating	40–100°F (4.4–37.7°C)

PCF SERIES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 10"		
155273-43	PCF1-10MB D.I. Resin	6
Length - 20"		
155274-43	PCF1-20MB D.I. Resin	6
Length - 20" Big Blue		
155281-43	BBF1-20MB D.I. Resin	4



RADIAL FLOW IRON REDUCTION FILTER CARTRIDGES

Radial Flow Iron Reduction Cartridges are designed to provide an easy and effective method of reducing dissolved iron from water, which greatly improves the taste. For best results, pre-sediment and post-carbon treatment is recommended.

TECHNICAL FEATURE

BENEFIT

Designed to provide an easy and effective method of reducing iron from water



Reduces the metallic taste caused by iron. Lessens orange and brown stains often found in sinks and toilets

No need of extra chemical products



Compared to chlorination systems for treating iron, the radial flow iron cartridges add no chemicals to the water, creating less hassle for residential applications

Designed to provide an easy and effective method of reducing iron from water



Reduces the possibility of pipe and water heater damage

APPROXIMATE LIFE OF SYSTEM*

IRON LEVEL IN WATER	TOTAL GALLONS OF WATER USED	250 GPD (four people)	125 GPD (two people)	75 GPD (one person)
3 ppm	26,000	104 days	208 days	416 days
2 ppm	40,000	160 days	320 days	640 days
1 ppm	80,000	320 days	640 days	1,280 days
0.5 ppm	160,000	640 days	1,280 days	N/A

SPECIFICATIONS

Filtration Media	Catalytic Oxidizing Media
Length	10"BB, 20"BB
Micron Rating	Not rated
Contaminant	Dissolved iron (up to 3 ppm)
Temperature Rating	40-100°F (4.4-37.7°C)

RFFE SERIES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 10" Big Blue		
655005-43	RFFE10-BB Radial-Flow Iron Reduction	8
Length - 20" Big Blue		
155263-43	RFFE20-BB Radial-Flow Iron Reduction	4
155263-03	RFFE20-BB Radial-Flow Iron Reduction, Individually Boxed	4

*Test results were obtained by using the Pentek RFFE20-BB in combination with an RFC20-BB Cartridge.



PCC SERIES PHOSPHATE CRYSTAL FILTER CARTRIDGES

Phosphate Crystal Filter Cartridges contain hexametaphosphate that dissolves slowly in water to minimize scale and rust buildup. This type of treatment is recommended for use with ice machines, coffee and vending machines, food service equipment, water heaters, air conditioning equipment and many other types of water processing equipment.

TECHNICAL FEATURE		BENEFIT
Contains hexametaphosphate crystals	→	Helps to reduce lime and scale deposits
Unique designs	→	Effective for treating scale, corrosion and iron problems for up to six months at various flow rates and feed concentrations

SPECIFICATIONS

Filtration Media	Polyphosphate
Length	9¾"
Micron Rating	Not rated
Flow Rate	PCC-1: 5 gpm (18.9 Lpm) PCC212: 1.5 gpm (5.68 Lpm)
Contaminant	Lime and Hard Water Scale
Capacity	N/A
Temperature Rating	40–100°F (4.4–37.7°C)

PCC SERIES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 10"		
155100-43	PCC-1 Phosphate Crystal Cartridge (24 oz.)	6
155248-43	PCC212 Phosphate Crystal Cartridge (12 oz.)	6

WS SERIES WATER SOFTENING FILTER CARTRIDGES



Water Softening Filter Cartridges are designed to allow optimal contact between water and resin surfaces, ensuring maximum ion exchange. The internal expansion pad minimizes channeling, while the post-filter reduces potential for bypass. The cartridge style design provides a convenient solution for delivering softened water to help protect sensitive water delivery equipment. These cartridges provide superior performance and outstanding protection for medical equipment, coffee and espresso appliances, as well as low-volume beverage and commercial food service machines.

TECHNICAL FEATURE		BENEFIT
Utilizes single use ion exchange resin	→	Maximum life grains (CaCo ₃) capacity
Available in 10" and 20" Big Blue	→	Variety of sizes for multiple applications
Designed with sodium-based, non-solvent rinsed softening resin	→	Provides a convenient solution for reducing water hardness

SPECIFICATIONS

Filtration Media	Ion Exchange Resin
Length	9¾", 20"BB
Micron Rating	Not rated
Flow Rate	WS-10: 0.5 gpm (1.89 Lpm) WS-20BB: 2 gpm (7.6 Lpm)
Contaminant	Hardness
Capacity	WS-10: 750 grains WS-20BB: 4,500 grains
Temperature Rating	40-100°F (4.4-37.8°C)

WS SERIES

PART NUMBER	DESCRIPTION	CASE QTY
Length - 10"		
155319-43	WS-10 Softening Resin Cartridge	6'
Length - 20" Big Blue		
155321-43	WS-20BB Softening Resin Cartridge	4

INDUSTRIAL FILTER BAGS



Industrial Filtration Filter Bags offer filtration for a wide array of applications. Highly controlled manufacturing procedures ensure consistent quality and reduced risk of contamination. The unique bag design provides added strength and reduces the risk of bypass. Our filter bags fit all industry-standard bag housings.

TECHNICAL FEATURE		BENEFIT
Filtration ratings from 1 to 200 microns	→	Addresses many filtration applications
A broad array of sizes, materials and finishes to address many filtration applications	→	Robust construction that minimizes the migration of fibers

	FILTER BAGS	
	BP SERIES	KE SERIES
Type	POE	
Applications	Commercial and industrial particle filtration	
Features	Glazed Polypropylene material, fits into BPH polypropylene housings	Glazed Polyester material, fits into industry standard sized metal bag housings

BP SERIES BIG BLUE FILTER BAGS



BP Series Filter Bags feature a thermally-welded, unique design that results in consistent filtration efficiencies. They are designed to fit the BPH-420 Housings. Higher productivity can be achieved with faster bag change-outs. The semi-rigid cylindrical design is easily crushed and incinerated.

TECHNICAL FEATURE		BENEFIT
Filtration ratings from 1 to 50 microns	→	Particulate reduction coverage for many filtration requirements
Thermally-welded design utilizing glazed polypropylene	→	Robust construction that minimizes the migration of fibers

BP SERIES FILTER BAGS

PART NUMBER	DESCRIPTION	MICRON RATING	CASE QTY*
Length - 20"			
155384-03	BP-420-1	1	20
155386-03	BP-420-5	5	20
155388-03	BP-420-10	10	20
155390-03	BP-420-25	25	20
155392-03	BP-420-50	50	20

*Two case minimum order quantity.

KE SERIES POLYESTER FILTER BAGS - SINGLE LAYER

	PART NUMBER	DESCRIPTION	MICRON RATING	COIL TYPE	RING TYPE	FINISH TYPE	CASE QTY*
Bag Size 1	KE1K1S	Polyester Filter Bag, 1 Micron, Glazed Finish, Size 1, Carbon Steel Ring	1	Standard	Carbon Steel Ring	Glazed Finish	25
	KE1NG1SRC	Polyester Filter Bag, 1 Micron, Non Glazed, Size 1, Reverse Coil, Carbon Steel Ring	1	Reverse Coil	Carbon Steel Ring	Non Glazed	25
	KE5K1S	Polyester Filter Bag, 5 Micron, Glazed Finish, Size 1, Carbon Steel Ring	5	Standard	Carbon Steel Ring	Glazed Finish	25
	KE5NG1SRC	Polyester Filter Bag, 5 Micron, Non Glazed, Size 1, Reverse Coil, Carbon Steel Ring	5	Reverse Coil	Carbon Steel Ring	Non Glazed	25
	KE10K1S	Polyester Filter Bag, 10 Micron, Glazed Finish, Size 1, Carbon Steel Ring	10	Standard	Carbon Steel Ring	Glazed Finish	25
	KE25K1S	Polyester Filter Bag, 25 Micron, Glazed Finish, Size 1, Carbon Steel Ring	25	Standard	Carbon Steel Ring	Glazed Finish	25
	KE50K1S	Polyester Filter Bag, 50 Micron, Glazed Finish, Size 1, Carbon Steel Ring	50	Standard	Carbon Steel Ring	Glazed Finish	25
	KE100K1S	Polyester Filter Bag, 100 Micron, Glazed Finish, Size 1, Carbon Steel Ring	100	Standard	Carbon Steel Ring	Glazed Finish	25
	KE100NG1SRC	Polyester Filter Bag, 100 Micron, Non Glazed, Size 1, Reverse Coil, Carbon Steel Ring	100	Reverse Coil	Carbon Steel Ring	Non Glazed	25
Bag Size 2	KE1K2S	Polyester Filter Bag, 1 Micron, Glazed Finish, Size 2, Carbon Steel Ring	1	Standard	Carbon Steel Ring	Glazed Finish	25
	KE5K2S	Polyester Filter Bag, 5 Micron, Glazed Finish, Size 2, Carbon Steel Ring	5	Standard	Carbon Steel Ring	Glazed Finish	25
	KE10K2S	Polyester Filter Bag, 10 Micron, Glazed Finish, Size 2, Carbon Steel Ring	10	Standard	Carbon Steel Ring	Glazed Finish	25
	KE25K2S	Polyester Filter Bag, 25 Micron, Glazed Finish, Size 2, Carbon Steel Ring	25	Standard	Carbon Steel Ring	Glazed Finish	25
	KE50K2S	Polyester Filter Bag, 50 Micron, Glazed Finish, Size 2, Carbon Steel Ring	50	Standard	Carbon Steel Ring	Glazed Finish	25
	KE100K2S	Polyester Filter Bag, 100 Micron, Glazed Finish, Size 2, Carbon Steel Ring	100	Standard	Carbon Steel Ring	Glazed Finish	25
	KE200K2S	Polyester Filter Bag, 200 Micron, Glazed Finish, Size 2, Carbon Steel Ring	200	Standard	Carbon Steel Ring	Glazed Finish	25
Bag Dimensions 5.5" x 9	KE1-5.5X9C	Polyester Filter Bag, 1 Micron, Glazed Finish, Size 5.5x9, Carbon Steel Ring	1	Standard	Carbon Steel Ring	Glazed Finish	25
	KE5-5.5X9C	Polyester Filter Bag, 5 Micron, Glazed Finish, Size 5.5x9, Carbon Steel Ring	5	Standard	Carbon Steel Ring	Glazed Finish	25
	KE10-5.5X9C	Polyester Filter Bag, 10 Micron, Glazed Finish, Size 5.5x9, Carbon Steel Ring	10	Standard	Carbon Steel Ring	Glazed Finish	25
	KE25-5.5X9C	Polyester Filter Bag, 25 Micron, Glazed Finish, Size 5.5x9, Carbon Steel Ring	25	Standard	Carbon Steel Ring	Glazed Finish	25
	KE50-5.5X9C	Polyester Filter Bag, 50 Micron, Glazed Finish, Size 5.5x9, Carbon Steel Ring	50	Standard	Carbon Steel Ring	Glazed Finish	25
	KE100-5.5X9C	Polyester Filter Bag, 100 Micron, Glazed Finish, Size 5.5x9, Carbon Steel Ring	100	Standard	Carbon Steel Ring	Glazed Finish	25

*Two case minimum order quantity.

KE SERIES POLYESTER FILTER BAGS - DOUBLE LAYER

	PART NUMBER	DESCRIPTION	MICRON RATING LAYER 1	MICRON RATING LAYER 2	COIL TYPE	RING TYPE	FINISH TYPE	CASE QTY*
Bag Size 2	KE25/KE10NG2S	Double Polyester Filter Bag, 25/10 Micron, Non Glazed, Size 2, Carbon Steel Ring	25	10	Standard	Carbon Steel Ring	Non Glazed	25
	KE50/KE25NG2S	Double Polyester Filter Bag, 50/25 Micron, Non Glazed, Size 2, Carbon Steel Ring	50	25	Standard	Carbon Steel Ring	Non Glazed	25
	KE100/KE50NG2S	Double Polyester Filter Bag, 100/50 Micron, Non Glazed, Size 2, Carbon Steel Ring	100	50	Standard	Carbon Steel Ring	Non Glazed	25
	KE200/KE10NG2S	Double Polyester Filter Bag, 200/10 Micron, Non Glazed, Size 2, Carbon Steel Ring	200	10	Standard	Carbon Steel Ring	Non Glazed	25
	KE200/KE50NG2S	Double Polyester Filter Bag, 200/50 Micron, Non Glazed, Size 2, Carbon Steel Ring	200	50	Standard	Carbon Steel Ring	Non Glazed	25
	KE200/KE100K2S	Double Polyester Filter Bag, 200/100 Micron, Glazed Finish, Size 2, Carbon Steel Ring	200	100	Standard	Carbon Steel Ring	Glazed Finish	25
	KE200/KE100NG2S	Double Polyester Filter Bag, 200/100 Micron, Non Glazed, Size 2, Carbon Steel Ring	200	100	Standard	Carbon Steel Ring	Non Glazed	25
	KE10/KE1K2K	Double Polyester Filter Bag, 10/1 Micron, Glazed Finish, Size 2, FSI Style Flanged Polyester Ring	10	1	Standard	FSI Style Flanged Polyester Ring	Glazed Finish	25
	KE25/KE5K2K	Double Polyester Filter Bag, 25/5 Micron, Glazed Finish, Size 2, FSI Style Flanged Polyester Ring	25	5	Standard	FSI Style Flanged Polyester Ring	Glazed Finish	25
	KE50/KE10K2K	Double Polyester Filter Bag, 50/10 Micron, Glazed Finish, Size 2, FSI Style Flanged Polyester Ring	50	10	Standard	FSI Style Flanged Polyester Ring	Glazed Finish	25
	KE100/KE25K2K	Double Polyester Filter Bag, 100/25 Micron, Glazed Finish, Size 2, FSI Style Flanged Polyester Ring	100	25	Standard	FSI Style Flanged Polyester Ring	Glazed Finish	25
	KE100/KE50K2K	Double Polyester Filter Bag, 100/50 Micron, Glazed Finish, Size 2, FSI Style Flanged Polyester Ring	100	50	Standard	FSI Style Flanged Polyester Ring	Glazed Finish	25
	KE200/KE100K2K	Double Polyester Filter Bag, 200/100 Micron, Glazed Finish, Size 2, FSI Style Flanged Polyester Ring	200	100	Standard	FSI Style Flanged Polyester Ring	Glazed Finish	25

KE SERIES POLYESTER SPECIFICATIONS

SIZE	DIMENSIONS	FILTRATION MEDIA	MICRON μ m (nominal)	MAX. TEMP
1	7 1/16" x 16 1/2"	Felt, Polyester	1, 5, 10, 25, 50, 100	250°F
2	7 1/16" x 32"	Felt, Polyester	1, 5, 10, 25, 50, 100, 200	(121.1°C)

*Two case minimum order quantity.



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Get the answers you need on product updates and commonly asked questions about Pentair products.

Pentair Water University:

Get the training you and your employees need to sell and service Pentair product brand lines: Autotrol, Fleck, Pentair, Pentek and Structural.

Get the benefits of being a Valued Pentair Partner by joining the Pentair Partner Center at Partners.Pentair.com

If you have any questions regarding your experience with the online portal, please get in touch with us at PentairMarketing@Pentair.com.

TRUE BLUE PRO DEALER NETWORK



At Pentair, True Blue PRO Dealers enjoy a local advantage as trusted leaders in water treatment. With extensive knowledge of Pentair products like Autotrol, Fleck, and Pentek, they focus on delivering exceptional customer experiences.

Joining the Pentair True Blue PRO Dealer Network provides access to valuable services, exclusive digital tools for enhancing online presence, free local leads, and recognition as a Pentair True Blue PRO Dealer.



SCAN ME

YOUR EXCLUSIVE BENEFITS



MAXIMIZE ONLINE PRESENCE

- ▶ We receive over 500,000 visitors on Pentair.com Water Solutions webpages each year and True Blue Dealers get a prominent listing on Find A PRO dealer Locator and Where to Buy webpages.
- ▶ Further visibility benefits include a dedicated business webpage on Pentair.com with a lead prospect form.



GET MORE BUSINESS

- ▶ In 2024, True Blue Dealers received over 3,000 hot homeowner lead form submissions!
- ▶ Join the True Blue PRO Dealer Network to receive in real-time, FREE Pentair.com homeowner leads in your local area.
- ▶ Report on leads in your Partner Center account, see your sales grow and get rewarded!*

*Sales growth is not guaranteed. Pentair provides free homeowner leads that submit water treatment inquiry forms on Pentair.com.



GROW WITH PENTAIR

- ▶ Get recognized by Pentair as a leading and experienced local Pentair True Blue Water Treatment Professional.
- ▶ Use the True Blue badge & post templates on your digital & social media webpages.
- ▶ Receive dedicated support at **TrueBlue@pentair.com** and stay connected with the latest news regarding upcoming growth opportunities.



WE'RE HERE TO HELP.

CUSTOMER SERVICE AND TECHNICAL SUPPORT TEAMS

One drop at a time, Pentair Customer and Technical Support Teams pour their energy into every interaction. We focus on providing customers with the most accurate information on product lines: Autotrol, Fleck, Pentair, Pentek and Structural.

Our Customer Service Team is here to support you with:

- General inquiries
- Order status and placement
- Quotations
- Order tracking and status

Contact Pentair Customer Support:

Email: USGLNOrderInquiry.prf@pentair.com

Phone number: +1.800.279.9404

Our professional technical support team offers the following services:

- Application support
- Technical support
- Post-sales technical supply specification
- Warranty
 - Warranty claims and request for credit should be directed to RMA.PRF@Pentair.com

Contact Pentair Technical Support:

Email: tech-support@pentair.com

Phone: +1.800.279.9404



RECOMMEND & INSTALL WITH CONFIDENCE

KNOW YOUR CUSTOMERS' WATER

Municipal Water Quality Reports

State and U.S. Environmental Protection Agency (EPA) drinking water regulations require municipalities to annually publish free water quality reports. Utilize this information to help homeowners identify potential water concerns such as high levels of minerals (hardness) or other contaminants.

Homeowners may not realize hard water can result in costly repairs or shorten the life of their water-using appliances. As their trusted water treatment professional, you can provide solutions that address the source of such water quality issues.

Private Well Water Testing

Comprehensive water testing is especially important for private well water, as water conditions can rapidly change due to agricultural runoff, failed septic tanks, flooding, and other complications. Well water must be tested frequently, especially when local conditions suggest a change in water quality.

Completing a water test is a vital step toward recommending the correct system, and an accurate method to determine which minerals, microorganisms, or harmful contaminants may be present.

WATER TERMINOLOGY MADE EASY

Aeration – The process of bringing air into contact with water, often by bubbling air through water. Aeration adds oxygen to the water to oxidize and precipitate iron, or to cause the release of dissolved gases such as hydrogen sulfide.

Backwash – A backward flow of fluid by a propelling force to release suspended particles from the filter or media; also, the fluid that is moving backward.

Backwash Flow Rate – Flow rate needed for the filtration media to be thoroughly cleaned and restored.

Conditioning – A process that improves the quality of the water through a variety of technologies.

Exchange Capacity – The amount of hard minerals that a system can reduce before it needs to regenerate. Measured in grains per pound of salt.

Filter Media – Material in a filter that changes the quality of water flowing through it. Activated carbon, for example, can reduce volatile organic compounds (VOCs) and chlorine, taste & odor.

Grains – Measure of hard minerals; 7,000 grains is the equivalent of one pound.

GPG (Grains Per Gallon) – A measurement of the concentration of dissolved substances or contaminants in the water.

GPM (Gallons Per Minute) – A measurement of the flow rate of water.

Hardness – Measurement of mineral grains per gallon.

Ion – An atom, or group of atoms, which functions as a unit, that has a positive or negative electrical charge.

Mg/L (Milligrams Per Liter) – A unit concentration of matter used in reporting the results of water analyses. In dilute water solutions, one part per million is practically equal to one milligram per liter, which is the preferred unit. 17.12 ppm equals one grain per U.S. gallon.

Micron – A linear measure equal to one millionth of a meter, or 0.00003937 inch. The symbol for the micron is the Greek letter “μ.”

Micron Rating – The term applied to a filter or filter medium to indicate the particle size above which all suspended solids will be reduced throughout the Capacity. This can either be an absolute or nominal measure.

PPM (Parts Per Million) – A unit measure of the concentration of dissolved substances or contaminants in water.

pH – A measure of how acidic or basic the water is; the pH scale runs from 0–14. Water tested lower than a pH of seven is considered acidic water and water tested higher than a pH of eight is considered alkaline water.

Oxidant – A substance capable of promoting oxidation, for example an O₂ oxygen molecule.

Oxidation – A chemical process in which electrons are reduced from an atom, ion, or compound. The addition of oxygen is a specific form of oxidation.

Service Flow Rate – The rate at which water flows into the home.

Particle Size – As used in industry standards, the size of a particle suspended in water as determined by its smallest dimension, usually expressed in microns.

Peak Flow Rate – The maximum rate at which water can be drawn from the system.



POTENTIAL MUNICIPAL WATER CONDITIONS



Chlorine – While chlorine is important for killing waterborne bacteria, too much chlorine can give water an unpleasant taste, as well as irritate skin.



Chloramine – Municipalities may use chloramine to disinfect municipal water. Chloramine is five parts chlorine and one part ammonia.



Cysts – Parasites that can be found in water, such as Giardia and Cryptosporidium, which are resistant to traditional agents like chlorine.



Lead – Lead can enter groundwater from industry or mining sources, or can leach into water as lead pipes used in older homes corrode. Lead is both tasteless and odorless.



PFAS – PFAS, also known as "forever chemicals", are widely used, long-lasting chemicals, components of which break down very slowly over time. PFAS can be found in water, air, fish, and soil at locations across the nation and the globe.



Sediment – Sediment such as sand, silt, rust, and mineral particles can give water a cloudy appearance and can cause significant wear on plumbing and household appliances.



VOC – Volatile organic chemicals include components of gasoline and industrial cleaners.



Hard Minerals – High concentrations of dissolved minerals can lead to damaging scale buildup on plumbing and water-using appliances resulting in costly repairs. Examples include calcium and magnesium.



Calcium – An important determinant of water hardness, calcium in high levels can cause mineral buildup on appliances and fixtures. Skin and hair can also be negatively affected.



Magnesium – A natural element found in rocks deep underground. Magnesium and calcium are two main cations that cause hardness in water.



POTENTIAL WELL WATER CONDITIONS



Acid – Overly acidic water tastes metallic or sour. It can stain laundry, sinks and drains, and damage plumbing and appliances. Low pH can lead to leaching from plumbing fixtures.



Arsenic – Arsenic has no smell, taste, or odor when dissolved in water; only a laboratory analysis can determine its presence, even in high concentrations.



Coliform (Bacteria) – According to the EPA, even low levels of total coliform bacteria can cause waterborne disease outbreaks.





Iron – Excess iron can lead to corrosion and manifest as stained fixtures, discolored water, red-orange or orange-brown stains and an unpleasant metallic taste.



Manganese – Oxidized manganese can remain dissolved in water and give it a black or brown-black tint, cause staining and resulting in an unpleasant metallic taste.



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Sulfate – A salt that is formed when sulfuric acid reacts with another chemical element. High levels of sulfate can corrode plumbing, especially copper piping, and resulting in a bitter, unpleasant taste.



Sulfur – An element that exists in nature and can be found in soil, plants, foods, and water. Sulfur causes an unpleasant smell, commonly referred to as "rotten egg" odor.



Tannins – A naturally occurring polyphenol found in plants, seeds, bark, wood, leaves, and fruit skins. Tannins can cause yellow water and staining on fabrics and fixtures and cause an earthy, musty, or bitter smell and taste in the home's water.



TDS (Total Dissolved Solids) – High levels of TDS in ground water can have a unpleasant salty, bitter, or brackish taste, depending on the water's composition. Different water sources contain different substances that are present as TDS.



VOC – Volatile organic chemicals include components of gasoline and industrial cleaners.



For Terms and Conditions of Sale visit pentair.com/assets/filtration-terms-of-sale



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