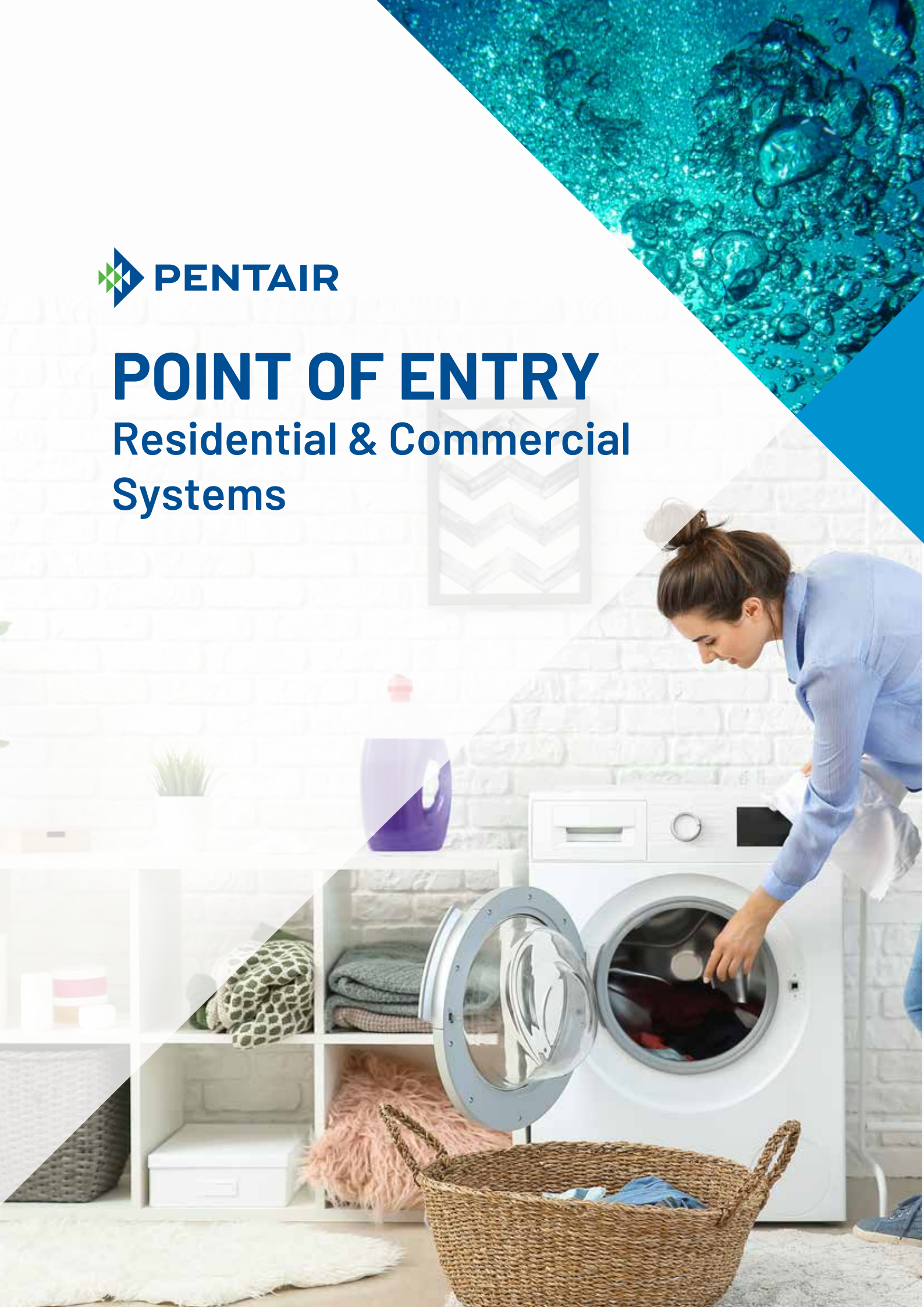




POINT OF ENTRY

Residential & Commercial Systems



PEACE OF MIND. **FOR LIFE.**

WATER TOUCHES NEARLY EVERYTHING WE DO.

At Pentair, we believe the health of our world depends on reliable access to clean water.

With a history of more than 50 years in water filtration, Pentair is a trusted provider of drinking water systems and appliances for savvy consumers desiring cleaner, better-tasting water, offering eco-conscious alternatives to bottled water.

GLOBAL LEADER in water solutions

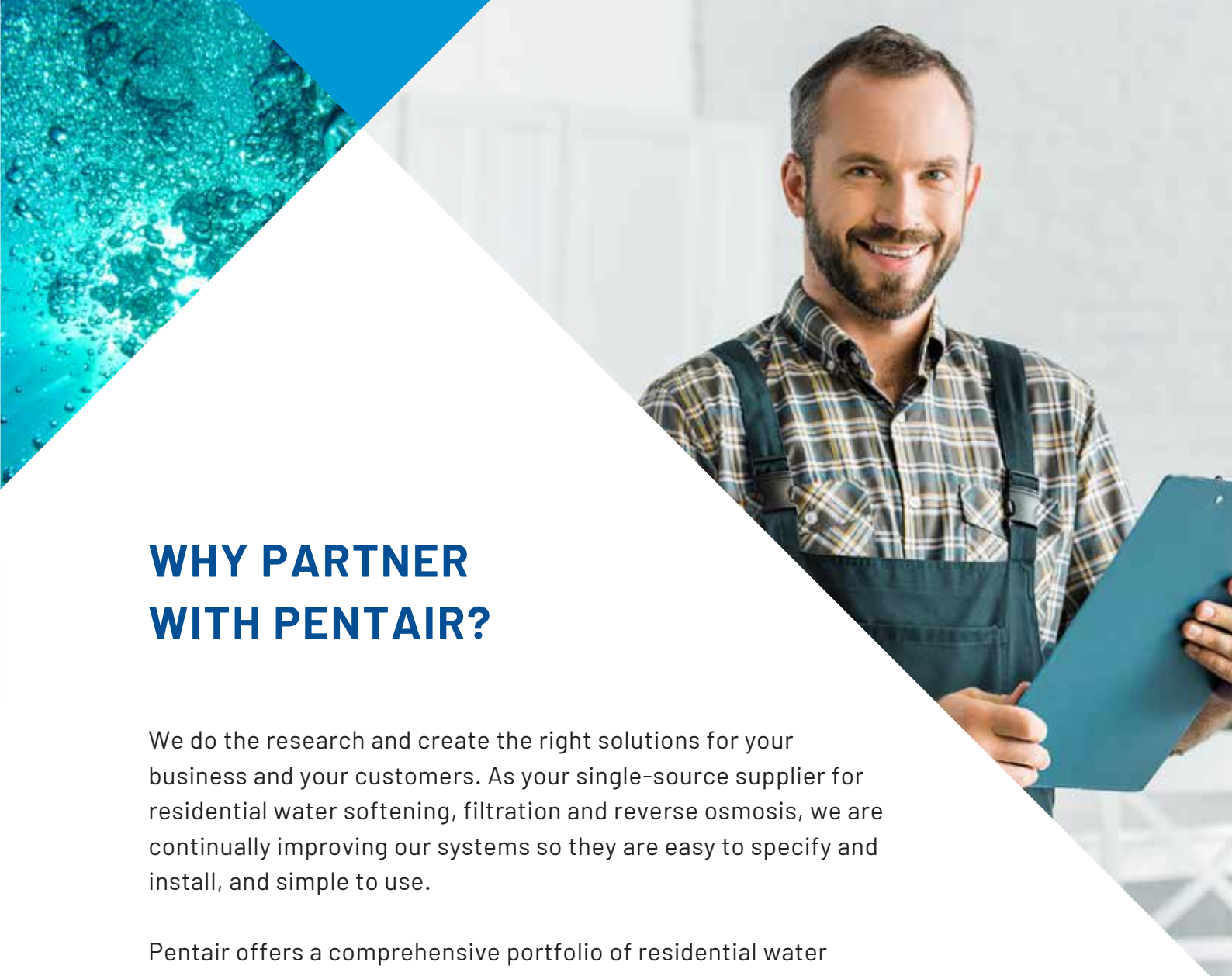
11,250 employees

serving customers in

150+ countries

~\$3.8B in revenue





WHY PARTNER WITH PENTAIR?

We do the research and create the right solutions for your business and your customers. As your single-source supplier for residential water softening, filtration and reverse osmosis, we are continually improving our systems so they are easy to specify and install, and simple to use.

Pentair offers a comprehensive portfolio of residential water treatment solutions designed with professionals in mind. Together our integrated systems, technical training and marketing support make it easy for you to access the growing residential water treatment market.

WHOLE HOUSE WATER SOFTENING SYSTEMS

FEATURES AND BENEFITS

- Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive and UV-resistant
- NSF 44 - Tested and Certified by WQA to NSF/ANSI Standard 44 for water Softener Performance
- Programming stored in memory will not be lost due to power outages
- On screen display and soft keys for programming at site
- Corrosion resistant for long life, light weight FRP vessel
- Auxiliary switch to drive external pump or solenoid
- Time based and volume based regeneration
- Maximum working pressure of 6 bar
- Auto refill of brine tank
- Ease in serviceability

TECHNICAL SPECIFICATIONS

				
Model No	PW AUTOSOFT-1665	PW AUTOSOFT-844	PW AUTOSOFT-1354	AWS-1054-256
Part Number	10390-SYS	10392-SYS	10387-SYS	AWS-1054-255
Model Description	1665 TANK W/5800 SXT SOFT SYSTEM	844 TANK W/5600 SXT SOFT SYSTEM	1354 TANK W/5600 SXT SOFT SYSTEM	1054 TANK W/255 SOFT SYSTEM
Flow Rate	4 m ³ /hr @15psi PD*	.8 m ³ /hr @15psi PD*	2.5 m ³ /hr @15psi PD*	1.2 m ³ /hr @15psi PD*
Backwash Flow Rate (Valve Alone)	3.9 m ³ /hr	1.6 m ³ /hr	1.6 m ³ /hr	1.3 m ³ /hr
Inlet/Outlet Size	1" BSPF	1" BSPF	1" BSPF	1" BSPF
Mounting Base	2 1/2 Inch-8 NPSM	2 1/2 Inch-8 NPSM	2 1/2 Inch-8 NPSM	2 1/2 Inch-8 NPSM
Operating Pressure	2 - 6 Bar	2 - 6 Bar	2 - 6 Bar	2 - 6 Bar
Regeneration	Down flow	Down flow	Down flow	Down flow
Tank Size	1665	844	1354	1054
Distributor Size	1.05 inch	1.05 inch	1.05 inch	1.05 inch
Brine Tank Capacity	100 Ltrs.	100 Ltrs.	100 Ltrs.	100 Ltrs.
Drain Size	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
Brine Size	3/8"	3/8"	3/8"	3/8"
Controller Operating Voltage	12V DC	24V AC	24V AC	12V AC
Recommended Media Volume (Ltrs.)	125*	20*	50*	25 *
Filter Model (Sand, Carbon & Iron)	Yes	Yes	Yes	No
Regeneration Mode	Flow & Time based	Flow & Time based	Flow & Time based	Only Time based

Note

* System Flow rates are based on a velocity of 25 m/hr

* Recommended freeboard - 30% to 50%

- Input water conditions should be as per the specifications from the media manufacturers and application related
- Pentair reserves the right to update specifications, change prices or make substitutions without prior notice as a part of continuous improvement

CABINET AUTO SOFTENERS

FEATURES AND BENEFITS



Automatic regeneration according to actual usage maintains quality of water



3 adjustable salt levels allow user to minimize salt wastage and save hundreds of dollars every year






Continuous 8-steps regeneration ensures high quality water with no residues



Built-in-bypass feature allows flexible adjustment of water hardness and provides easy installation and maintenance

TECHNICAL SPECIFICATIONS

	Mini	Medium	Maxi
			
Model Name	PWCE16P12	PWCE35P12	PWCE54P12
Part Number	SA11243	SA11244	SA11245
Operating Pressure	0.14-0.35 Mpa	0.14-0.35 Mpa	0.14-0.35 Mpa
Size (W*D*H)	314*446*739mm	309*446*1228mm	273*273*1617mm(soften body) 323*323*1000mm(brine cabinet)
Media		Softener Cation Resin	
Flow Rate	1.1 m ³ /hour	2 m ³ /Hour	3 m ³ /hour
Resin Volumes	12 Liter	30 Liter	42 Liter
Tank Model	1016	1035	1054
Valve Model		Autotrol-368/606F	
Valve-Pipe Size		1"-BSPT	
Transformer		Europe WallTrans-240V	
Controller type		368-Automatic 706 Control	

MINI WHOLE HOUSE WATER FILTER



SMALL IN SIZE, BIG IN FUNCTION

Mini

- 19cm Diameter x 47cm Height
- Suitable for small spaces
- Comes complete with installation accessories

Excellent filtration with high flow rate

- Superior filtration for cleaner, clearer water
- Removes chlorine, taste, odour and colour
- NSF certified components for your safety and quality assurance

2 UNIQUE DESIGN FEATURES

Innovative design with built-in quick-change bypass feature

- No additional purchase and installation of a separate valve
- Allows you to change cartridge without turning off the water supply

Distinct pressure relief button

- Easy to identify and operate for safer installation and maintenance



MINI WHOLE HOUSE WATER FILTER

BASIC



DGD Dual-Gradient Density Cartridge

- Removes larger dirt particles with 75 micron outer layer
- Finer filtration with 25 micron inner layer
- High flow, high capacity, does clog easily

PREMIUM



DBC Granular Activated Coconut Shell Carbon with KDF media Cartridge

- Carbon technology removes chlorine, taste, odour and colour
- Enhanced with KDF media to prevent buildup of limescale, growth of algae and fungi, and remove soluble heavy metals
- Bacteriostatic feature of KDF media inhibits growth of bacteria in the cartridge
- Excellent filtration with 5 micron inner layer
- High flow, high capacity

Filter Type	Flow Rate	Filtration Accuracy	Performance						
			Removes dirt, sand, rust particles	Removes chlorine, taste, odour	Removes colour	Prevents buildup of limescale	Removes bacteria growth	Prevents growth of algae & fungi	Removes soluble heavy metals
BASIC	2 m ³ /hr	25 micron	√						
PREMIUM	1 m ³ /hr	5 micron	√	√	√	√	√	√	√

* Notes:

1) Min./Max. Water Temperature: 4 - 38 C

TECHNICAL SPECIFICATIONS

Part Number	Description	Replacement Cartridge Part Number/Description
SA10641	BF35 with DGD-7525 Dual-Gradient Polypropylene	155355-43 (CART. DGD-7525 75/25uM 10")
SA10643	BF35 with DBC-10EX2 (GAC-BB + KDF Granular Act. Carbon)	255748-43 (GAC-BB + KDF Granular Act. Carbon 9 3/4")



WHOLE HOUSE WATER FILTER

FILTER HOUSING WITH 20", 5 MICRON CARTRIDGE

Pentair Big White Filter Housings with Bypass offer caps that include a built-in bypass valve for easy cartridge change-outs, eliminating the need to shut of the water supply. You can easily switch from filter position to bypass by turning the large control knob a half turn. The High Flow Polypropylene (HFPP) cap is available in 1" NPT inlet and outlet ports. These housings have 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 applications.

Sumps are available in 20" lengths.

FEATURES AND BENEFITS

- ½ turn valve allows you to go from filtered to non-filtered water
- Large capacity housing suitable for high flow applications
- 20" Big White housings with bypass on cap
- Available with 1" NPT
- Pressure relief button on cap

PRODUCT SPECIFICATIONS

- **Housing** – Polypropylene
- **Cap** – Polypropylene (HPP)
- **O-Ring** – EPDM
- **Temperature Rating** – 4.4 - 37.8°C
- **Maximum Pressure** – 20" : 90 psi (6.2 bar)



TECHNICAL SPECIFICATIONS

Part Number	Description
SA10615	Accessories kit, screw & wrench
155358-43	CART DGD 5005-20 IND SHR 6/C
655107	1" #20 BB White/White w/Bypass



WHOLE HOUSE IRON FILTER

This iron filter system helps to eliminate the orange and brown stains of often found in sinks, toilets, tubs and other plumbing fixtures. It also reduces the possibility of damage to pipes and water heaters and reduces up to 3ppm dissolved iron. For the best results, pre-sediment and post-carbon treatment is recommended.

FEATURES AND BENEFITS

- Easily and effectively reduces up to 3ppm of dissolved iron from water
- Improves flavor and reduces the metallic taste caused by iron
- Reduces the possibility of pipe and water heater damage
- For use in PENTEK 20-inch Big Blue filter housings

RADIAL FLOW IRON REDUCTION CARTRIDGE

APPROXIMATE LIFE OF SYSTEM*



Iron Level in Water	Total Gallons Water Used	250 GPD (Four People)	125 GPD (Two People)	75 GPD (One Person)
3 ppm	26,000 gal	104 days	208 days	416 days
2 ppm	40,000 gal	160 days	320 days	640 days
1 ppm	80,000 gal	320 days	640 days	1280 days
0.5 ppm	160,000 gal	640 days	1280 days	N/A

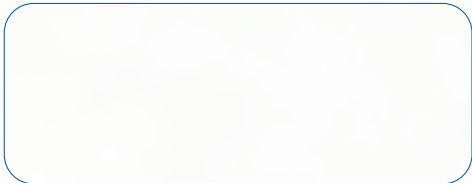
* Test results were obtained by using the RFFE20-BB in combination with an RFC20-BB cartridge.

RECOMMENDED OPERATING CONDITIONS

pH	>7.0
Silica	<100 ppm
Manganese	<1 ppm
Iron	<3 ppm
Iron Bacteria	None
Hydrogen Sulfide	None

TECHNICAL SPECIFICATIONS

Part Number	Description
655107	1" #20 BB White/White w/Bypass
155263-03	CART RFFE20-BB IND BOX4/C, 4.5"X20" (Iron Removal Cartridge)
SA10615	Accessories kit, screw & wrench



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