

Waterfilter.direct

Vortex-Pro III specifications



Vortex-Pro III



GENERAL Information: 20 x 4.5 inch 3 stage filter system, with dual o-ring housing seals, 25mm brass inlet and outlet ports with compression seals, 60mm stainless steel pressure gauges on all stages, brass ports on pressure gauge connections, stainless steel construction and components, fully assembled and install ready (plug & play)

Vortex-Pro III					Maximum Working Pressure
	Size	Pressure gauge	Seal		175 kpa > 550 kpa
Stage 1	20 x 4.5 inch	1000 kpa liquid filled 60mm stainless steel	Dual seal - top and bottom 147mm	Max Flow (LPM)	Capacity
Stage 2	20 x 4.5 inch	1000 kpa liquid filled 60mm stainless steel	Dual seal - top and bottom 147mm	↓	Capacity is based on water quality and cartridge configuration
Stage 3	20 x 4.5 inch	1000 kpa liquid filled 60mm stainless steel	Dual seal - top and bottom 147mm		75
UV-Pro Option	600mm	690 kpa liquid filled 40mm stainless steel	Dual seal - top and bottom 28 x 4mm	55	12 months/ 8000 hours

Vortex-Pro III Connection Points					
	Size	Material	Seal		
Inlet Port	25mm	Brass	30mm O/D Rubber compression		
Outlet Port	25mm	Brass	30mm O/D Rubber compression		
Pressure gauge Port	9mm	Brass	PTFE		
UV-Pro Option	25mm M/I	Stainless Steel	PTFE		Ballast 230v-40 watts 3 Pin plug Lamp current 0.40 A Alarm & light status indicator

Vortex-Pro III Construction					
	Size	Material	Design		
Bracket	2mm	304 Stainless Steel	Pressed, Rolled		
Frame	20mm SHS	304 Stainless Steel	Tig Welded		
Feet	20mm O/D 10mm High	Rubber	Tapered		
UV-Pro Option	600mm x 65mm	304 Stainless Steel	Dual polished inside and out		

Vortex-Pro III Dimensions					Installation
	Without cover	With cover & feet	Fixing Holes		recommendations
Width	565mm	568mm	454mm		Pipe work / set apart 640mm C/L with K1-2-3-4 install kit
Hight	608mm	618mm	695mm + Feet >10mm		Recommended Fixings hight min @ 900mm FFL
Depth	200mm	202mm			
Weight		22kg with filters dry weight			

Vortex-Pro Stage 1 Washable Sediment Filter 5 Micron



Stage 1: Vortex-Pro 5 Micron Pleated Sediment Filter - Setting the Standard.

Vortex-Pro 5 Micron Pleated Sediment Filter leads the way as the inaugural stage in our advanced three-stage filtration system.

Designed for performance and engineered for excellence, this filter sets the foundation for clean, pristine water throughout your entire filtration process.

Key Performance Features:

Sediment Elimination: The Vortex-Pro Sediment Filter takes on the formidable task of removing sediment, dirt, rust, algae, turbidity, and a wide range of particulate contaminants. It excels in its role as the first line of defense, ensuring that downstream stages can work their magic effectively.

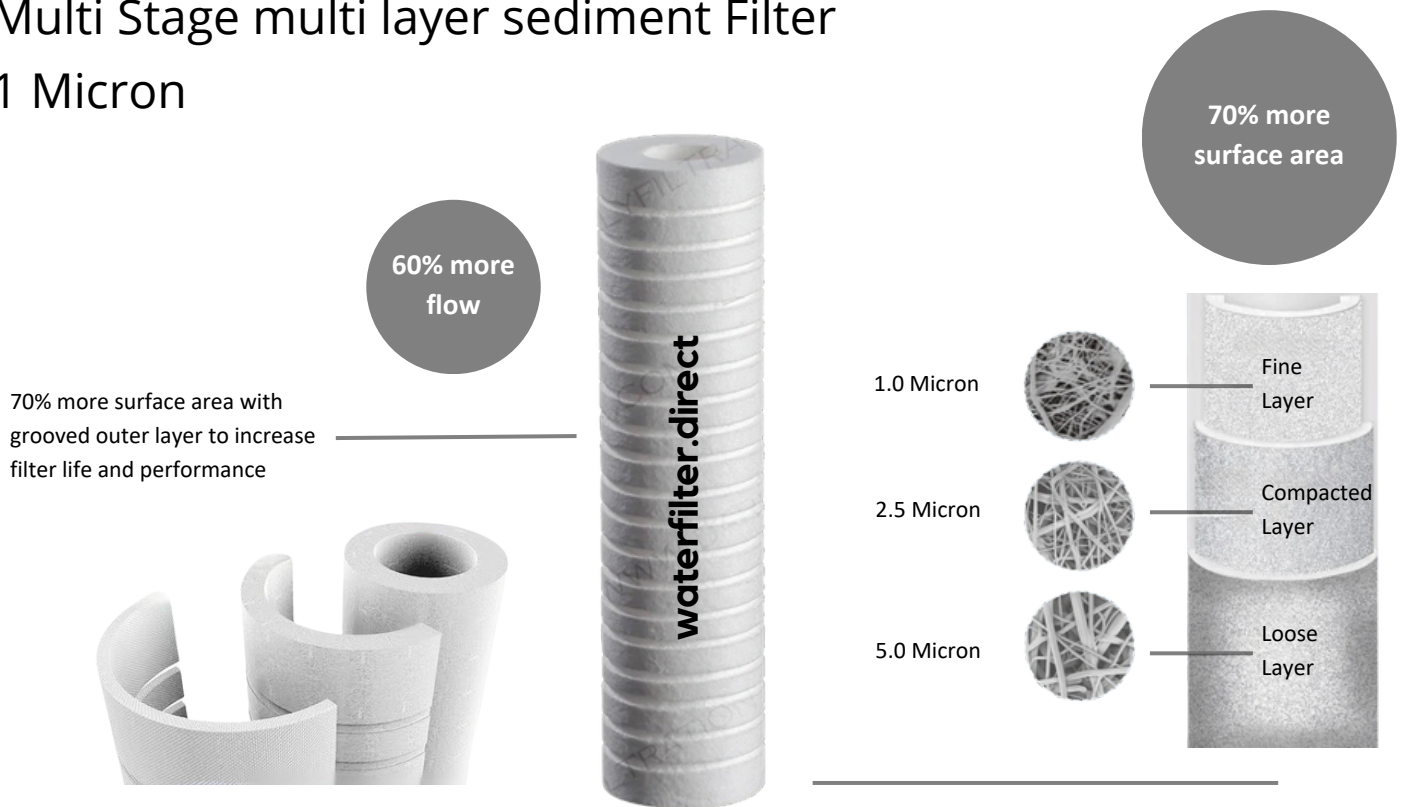
Polypropylene Superiority: Crafted from 100% pure polypropylene fibers, this filter doesn't just meet industry standards; it sets a new benchmark with **300% more surface area**. Its exceptional chemical resistance ensures that it can tackle the toughest water conditions without faltering.

Bacteria-Free Assurance: Hygiene is paramount, and our filter's polypropylene construction guarantees that it won't become a breeding ground for bacteria. This stage sets the standard for safe and healthy water throughout your filtration journey. Experience the performance, reliability, and water quality you deserve with the Vortex-Pro 5 Micron Pleated Sediment Filter. It's the first step towards a comprehensive three-stage filtration system that ensures your water is always at its best.

Vortex-Pro Stage 2

Multi Stage multi layer sediment Filter

1 Micron



Stage 2: Vortex-Pro Sediment Filter (1 Micron)

(Available for mains water and rainwater applications)

Key Performance Features:

Enhanced Surface Area and Flow. Featuring a remarkable **70% increase** in surface area and **60% more flow** compared to standard filters, this filter ensures optimal performance while maintaining a consistent water flow.

Comprehensive Contaminant Removal: The Vortex-Pro Sediment Filter (1 Micron) extends its filtration prowess to reduce sediment, dirt, rust, algae, turbidity, and an array of particulate contaminants. It's a powerful shield against impurities, preparing your water for the final stage of filtration.

Nano Silver and Antibacterial Option: For **rainwater** applications, our innovative Nano Silver antibacterial design adds an extra layer of protection to your water. It inhibits bacterial growth, guaranteeing that your water remains clean, safe, and free from harmful microorganisms within the filter media.

Multi-Stage Filtration: This filter employs a multi-stage filter media that creates superior depth filtration. The graded density construction captures particles throughout the entire cross-section of the cartridge, ensuring that no impurity goes unnoticed.

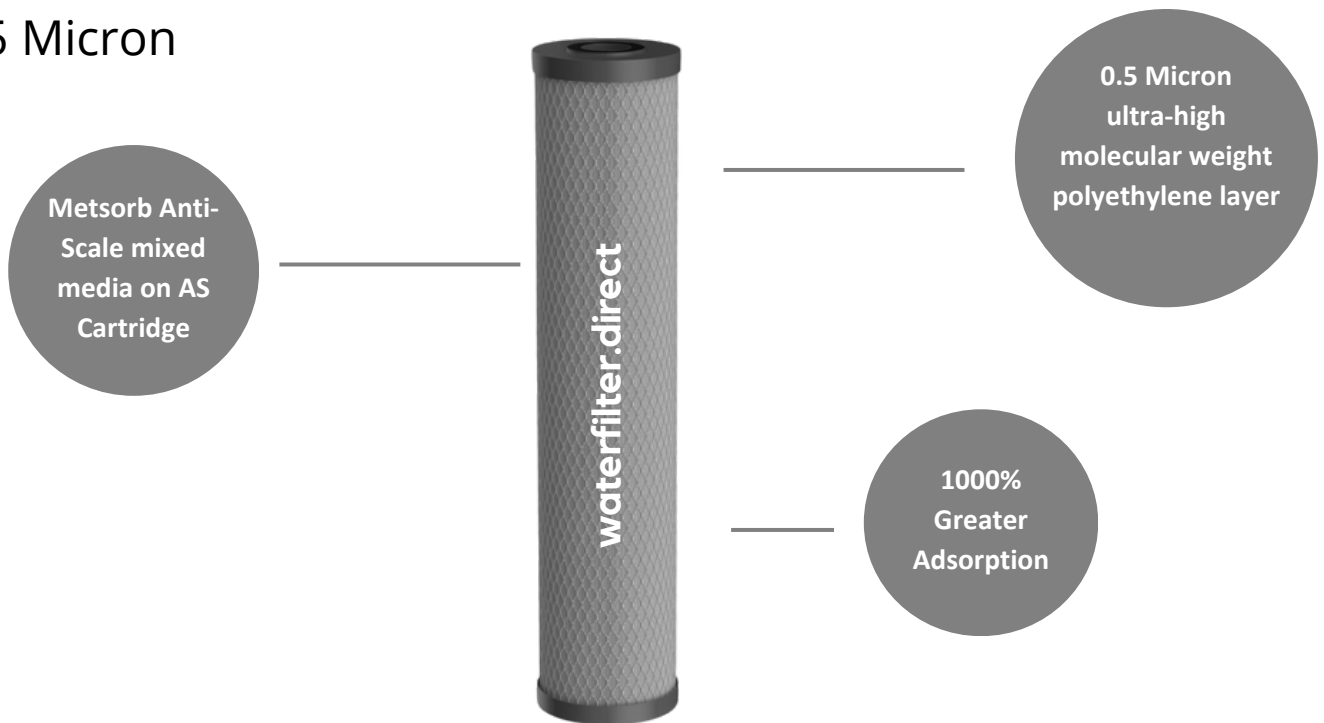
Ideal for Varied Needs: Whether you're dealing with aggressive chemicals or have general filtration requirements that demand depth filtration, the Vortex-Pro Multi Stage Sediment Filter is the answer. It's versatile, dependable, and designed to meet a wide range of filtration challenges.

Elevate your water filtration experience with the Vortex-Pro Sediment Filter (1 Micron). As the second stage in our three-stage system, it ensures that your water is on its way to perfection.

Vortex-Pro Stage 3

Multi Stage Activated / Coconut Carbon

0.5 Micron



Stage 3: Vortex-Pro Multi Stage Activated / Coconut Carbon Filter 0.5 Micron

Setting the Bar for Sustainability and Performance

As we reach the final stage of our advanced three-stage filtration system, the Vortex-Pro Multi Stage Activated / Coconut Carbon Filter stands as a testament to both sustainability and unmatched performance. This German-designed and manufactured hybrid filter system brings together cutting-edge technologies from industry leaders Haycarb, Kuraray and Celanese, including the revolutionary **MetSorb (Anti-Scale)** product, to create the most environmentally conscious and effective filter media available.

Key Features:

Activated Powerhouse: This filter system integrates 100% renewable Powdered Activated / Coconut Carbon (PAC) from Haycarb and Kuraray with ultra-high molecular weight polyethylene (UHMWPE) components from Celanese. The result is a activated filtration powerhouse that far surpasses industry standards.

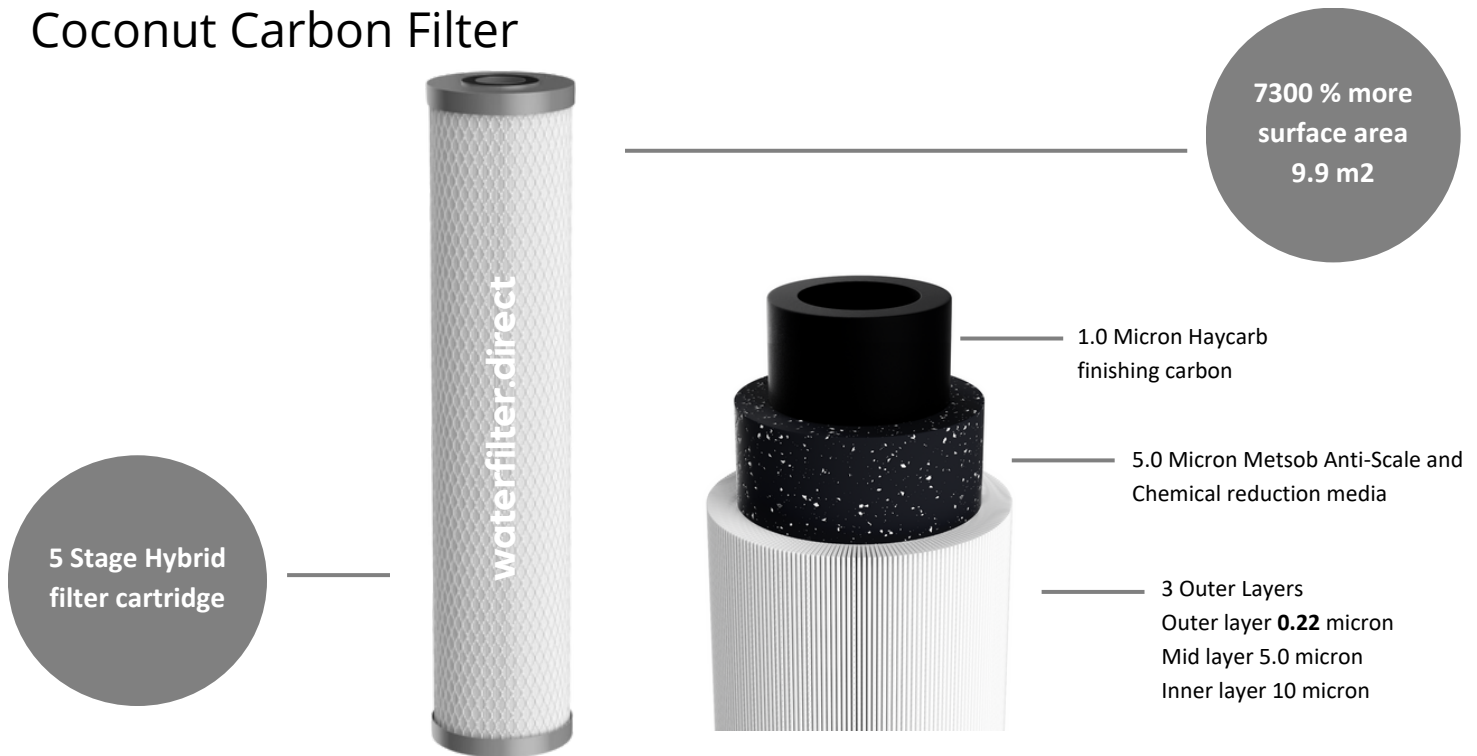
Exceptional Absorption: With a staggering 1000% greater absorption rate compared to traditional Granular Activated Carbon (GAC) media, this filter ensures that even the tiniest impurities (0.5micron) are captured and removed, leaving your water exceptionally pure.

Ample Surface Area: Featuring 70% more surface area than standard Activated Carbon (PAC), this filter maximises contact time with contaminants. Each gram of this filter media boasts a phenomenal 2000 square meters of surface area.

Global Adoption: This filter media has garnered widespread acclaim throughout Europe and parts of the USA, setting new industry benchmarks for sustainability and performance.

Experience the pinnacle of filtration technology with the Vortex-Pro Multi Stage Activated /Coconut Carbon Filter. As the third and final stage in our system, it exemplifies our commitment to sustainability and purity.

Vortex-Pro Stage 3 Advanced **Option** Hydro-Flow **0.22** Advanced Multi-Stage Double Activated Coconut Carbon Filter



Advanced Surface Enhancement: The hero of our Hydro-Flow 0.22 Multi-Stage Activated/Coconut Carbon Filter lies in its innovative design, boasting an impressive **7300 % increase** in outer surface area compared to standard cartridges. Crafted with precision in Japan, the outer layer consists of three layers of hyperperformance material configured in a mini pleated design. This configuration not only maximises surface area but also serves to protect our dual-layer carbon system. Speaking of which, the dual-layer carbon system comprises an outer 5-micron layer and finishes with hyperperformance 1.0 micron finishing carbon. This meticulous design ensures thorough filtration, leaving your water exceptionally pure.

Activated Powerhouse: Our filter system harnesses the full potential of 100% renewable Powdered Activated/Coconut Carbon (PAC) sourced from Haycarb, combined with the world's most advanced 3 stage outer layer . This synergy results in an activated filtration powerhouse that surpasses industry standards with ease.

Exceptional Adsorption: With an astounding adsorption rate 1000% higher than traditional Granular Activated Carbon (GAC) media, our filter ensures the capture and removal of even the smallest impurities (**0.22 micron**), leaving your water exceptionally pure **removing parasites, diseases and viruses.**













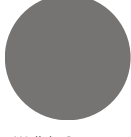

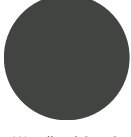

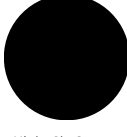
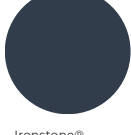
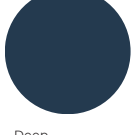


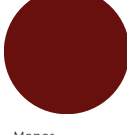
Global Recognition: Our filter media has earned widespread acclaim across Europe and parts of the USA, setting new industry benchmarks for sustainability and performance.

Experience the pinnacle of filtration technology with the Hydro-Flow 0.22 Multi-Stage Activated/Coconut Carbon Filter. As the third and final stage in our system, it exemplifies our unwavering commitment to sustainability and purity.

Vortex-Pro-AR

Unlimited possibilities with our **(AR) Architectural Range**, designed to elevate your home with **high-end finishes** that effortlessly harmonise with your surroundings. Crafted with unwavering commitment to industry excellence, the **Vortex-Pro III Architectural Range** redefines standards. Meticulously constructed from 304 **Stainless Steel**, it ascends the benchmark by offering an impressive array of **30 distinct color options** and finishes.




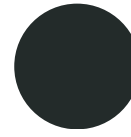
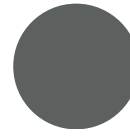

Classic finish

					
Dover White™ Classic finish SA = 0.28	Surfmist® Classic finish SA = 0.33	Evening Haze® Classic finish SA = 0.43			
					
Southerly® Classic finish SA = 0.40	Dune® Classic finish SA = 0.48	Paperbark® Classic finish SA = 0.43	Classic Cream™ Classic finish SA = 0.33		
					
Shale Grey™ Classic finish SA = 0.44	Bluegum® Classic finish SA = 0.57	Windspray® Classic finish SA = 0.60	Gully® Classic finish SA = 0.64	Jasper® Classic finish SA = 0.67	
					
Wallaby® Classic finish SA = 0.64	Basalt® Classic finish SA = 0.67	Woodland Grey® Classic finish SA = 0.70	Monument® Classic finish SA = 0.73	Night Sky® Classic finish SA = 0.95	
					
Ironstone® Classic finish SA = 0.73	Deep Ocean® Classic finish SA = 0.74	Cottage Green® Classic finish SA = 0.73	Pale Eucalypt® Classic finish SA = 0.60	Manor Red® Classic finish SA = 0.70	

COLORBOND® CORE COLOURS

With 22 pale, mid and deep toned COLORBOND® steel core colours, and six colours also available in a premium Matt finish, you can enjoy the process of discovering the perfect colour scheme and design palette for your dream home.

Matt finish

		
Bluegum® Matt finish SA = 0.59	Shale Grey™ Matt finish SA = 0.46	Surfmist® Matt finish SA = 0.35
		
Monument® Matt finish SA = 0.79	Basalt® Matt finish SA = 0.71	Dune® Matt finish SA = 0.48

Vortex-Pro-AR

endless possibilities

The Newly Designed 3-Stage Heavy Duty Vortex-Pro Filter System:

Offers a perfect solution for a POE filter system, with hi-flow rates (75 lpm) and extended filter life (400kl) the Vortex-Pro III filter system is more than capable of servicing your entire home filtering down to 0.22 micron.

Effortless Replacement:

Say goodbye to the hassle of complicated filter replacements. The Vortex-Pro III offers a dual O-ring seal mitigating the risk of leaks and pinched o-rings on filter replacements.

Trouble-Free Installation:

Designed with simplicity in mind, installation becomes a stress-free experience. Our system comes fully assembled with a plug and play style installation.

Compact and Space-Saving:

The most compact design in its class, the Vortex-Pro III offers a solution when space is limited but still maintains full size 20 x 4.5 inch filters, offering twice the capacity promoting extended filter life and performance.

Vortex-Pro III Filter Kit Options

STD Rainwater: **2045-SRFK**

AB Rainwater: **2045-ABR-FK**

Standard Mains/Town: **2045-VP-FK** (most popular)

Anti-Scale: **2045-AS-VP-FK** (most popular)

Advanced Filtration: **2045-HAS-M-FK**

Installation Kits: *Everything you need in one box to install your Vortex like a PRO.*

K1: Includes 23 components

K2: Includes 26 components

K3: Includes 26 components

K4: Includes 28 components

SYSTEM INCLUDES:

- INCLUDES:
- 3 Stage Water Filter System
- Stainless Steel integrated bracket and frame
- Stainless Steel Cover
- Cartridge spanner
- 60mm stainless steel gauges x 3
- Cartridges Life:
- 3 Stage cartridge 12-18 months
- 200,000 > 400,000L
- Operating Parameters:
- Feed Pressure 135 kpa - 550 kpa
- Temperature 4 - 35°C
- 5 year warranty on system

Warranty

The Vortex-Pro III comes standard with a 5 year replacement warranty, the system must be registered on the waterfilter.direct website following installation. Systems not registered are Limited to a one year warranty. The product warranty covers manufacturing defects. Waterfilter.direct are not responsible for poor installation leading to product failure. We recommend using an authorised distributor or licenced plumber.

Note **Caution:**

This water filtration media is not suitable for use with water that is microbiologically unsafe or water of unknown quality without adequate water testing. Ensure your water source meets safety standards.

Warning:

To prevent property damage from water leaks, please follow these guidelines:

1. Read and follow the installation instructions carefully before installing this product.
2. Test water pressure before installation and consider using a pressure limiting valve when pressure exceeds 550kpa, which can cause leaks or damage.
3. Replace filter cartridges based on recommended lifespan or sooner if you notice a significant reduction in water flow.

Filter Activation:

Prior to using the filter, flush for 5-10 minutes at full flow (Hose tap) to ensure optimal performance and water quality.

Professional Assistance:

Please consult with your waterfilter.direct distributor or a licensed plumber for system installation or filter changes.

The filter media configuration may change at any point without notice.

All systems come equipped with the best outcome in mind based on installation location and water quality.

Water Filter Direct continue to improve product performance and design.

Please consult with a Authorised Water Filter Direct consultant for the correct filter solution and cartridge configuration for your application.

Call: 1300 075 662



WaterMark Australian Standard 030064 / AS3497