

WATER PURIFICATION CARTRIDGES

Engineered cartridge formats for residential, commercial and OEM water filtration systems.

PP · GAC · CTO · PPC

10 in · 20 in

OEM / ODM

pureringwater.com



A focused cartridge manufacturing platform.

PureRing Water presents a dedicated water-filtration product range supported by an established production base in China.



● Cartridge focus

PP, carbon and composite cartridge development for common housing and quick-connect formats.

● Integrated capability

Media preparation, structure design, molding, assembly and inspection within one production system.

● OEM / ODM support

Configurable media, dimensions, caps, labels, cartons and product documentation.

● Market-ready range

G and S platforms cover slim, Big Blue, inline and post-filter applications.

ACTIVATED CARBON CONTROL, UPSTREAM.

The production base integrates activated-carbon preparation with cartridge manufacturing to improve control over material selection, iodine-value options and batch consistency.

- **Selected carbon sources**

Coconut-shell activated carbon options for taste, odor, chlorine and selected organic reduction.

- **Material processing**

Screening, blending and formulation options matched to cartridge structure and target application.

- **Traceable production**

Process documentation and sampling support for repeatable OEM and distributor programs.

CONTROLLED MANUFACTURING

From raw material to finished cartridge.

A connected workflow helps turn carbon media and polymer components into consistent filtration products.

01**Raw material**

Carbon and polymer input selection

02**Carbon preparation**

Processing, screening and formulation

03**Media forming**

Carbon-block sintering or cartridge filling

04**Component molding**

Housing, caps and structural parts

05**Assembly**

Sealing, wrapping and final build

06**Inspection**

Fit, appearance and reference performance checks

Evidence for product selection and supply programs.

The production base maintains quality-management and product-documentation practices for domestic and export projects.

● NSF-related documentation

Certification and supporting documents can be matched to the applicable product and project scope.

● Hygienic compliance

Cartridge configurations are available for drinking-water treatment applications.

● Quality management

Process records support incoming material, production and outgoing inspection controls.

● Project verification

Request current certificates, reports and model coverage before purchase or registration.

Documentation should follow the exact product.

Certification marks and regulatory claims are model- and market-specific. PureRing Water will provide available files for the selected construction, material and destination market during quotation and sample approval.

Grooved PP sediment cartridge

and filtration brands.



- **Graded density**

Larger particles are captured toward the exterior; finer layers support deeper sediment retention.

- **Expanded surface**

Grooved geometry increases the effective filtration area compared with a plain surface.

- **Melt-blown PP**

Thermally bonded polypropylene uses no added binder in the filtration matrix.

Granular activated carbon cartridge



and filtration brands.

● Coconut-shell carbon

Selected granular carbon supports taste, odor, chlorine and selected-organic reduction.

● Flow-guiding end cap

Internal routing encourages water to pass through the media bed with less bypass.

● Food-contact seal options

Silicone sealing components can be configured for the required housing and market.

Activated carbon block cartridge



and filtration brands.

- **Controlled carbon formulation**

Carbon powder and binder ratios can be tuned for adsorption, flow and structural stability.

- **Protective outer wrap**

Nonwoven layers help retain carbon fines and protect the block surface.

- **Internal nonwoven layer**

The inner layer supports fine-particle interception and cleaner downstream flow.

Composite cartridge - pleated PP

and filtration brands.



- **Two-stage construction**

Pleated PP filtration and activated carbon adsorption are combined in one cartridge.

- **High-area pleated layer**

The folded PP section expands filtration area and supports a longer sediment path.

- **Compact system design**

One replacement element can perform multiple pre-treatment functions.

Composite cartridge - standard PP



and filtration brands.

- **Three-stage construction**

Outer PP, activated carbon and inner nonwoven layers combine sediment and adsorption functions.

- **Deep sediment capture**

The outer melt-blown layer protects the carbon section and extends usable life.

- **Carbon polishing**

Coconut-shell carbon supports chlorine, taste and odor reduction.

G SERIES / TECHNICAL RANGE

10 in G Series · open-end cartridges

IMPORTED CARBON

LOW RESISTANCE

STANDARD FIT



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
G CTO block	70 x 250 mm	Imported coconut carbon, iodine ≥ 1000 mg/g	Flow 3-6 L/min; capacity ≥ 30 t; initial chlorine reduction $\geq 99\%$; 6-12 months	25/carton
G GAC pre-filter	70 x 250 mm	Imported coconut carbon, iodine ≥ 1000 mg/g	Flow 3-6 L/min; capacity ≥ 10 t; TDS response 5/5; 4-12 months	25/carton
130 g grooved PP	63 x 254 mm	Food-contact melt-blown PP	Flow 3-6 L/min; nominal filtration 5 μ m	25/carton
G PPC composite	70 x 250 mm	Imported carbon + food-contact PP	Flow 3-6 L/min; capacity ≥ 15 t; chlorine reduction $\geq 99\%$; 5 μ m PP	25/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

S SERIES / TECHNICAL RANGE

10 in S Series - open-end cartridges

- DOMESTIC CARBON
- LOW RESISTANCE
- STANDARD FIT



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
S CTO block	70 x 250 mm	Domestic coconut carbon, iodine >=1000 mg/g	Flow 3-6 L/min; capacity >=28 t; initial chlorine reduction >=98%; 6-12 months	25/carton
S GAC pre-filter	70 x 250 mm	Domestic coconut carbon, iodine >=1000 mg/g	Flow 3-6 L/min; capacity >=8 t; TDS response 4/5; 4-12 months	25/carton
110 g grooved PP	63 x 254 mm	Food-contact melt-blown PP	Flow 3-6 L/min; nominal filtration 5 um	25/carton
S PPC composite	70 x 250 mm	Domestic carbon + food-contact PP	Flow 3-6 L/min; capacity >=13 t; chlorine reduction >=98%; 5 um PP	25/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

G SERIES / TECHNICAL RANGE

20 in G Series - open-end cartridges

- 20 IN FORMAT
- IMPORTED CARBON
- FOOD-CONTACT SHELL



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
20 in G CTO	70 x 505 mm	Imported coconut carbon, iodine >=1000 mg/g	Flow 3-5 L/min; capacity >=45 t; initial chlorine reduction >=99%; 6-12 months	25/carton
20 in G GAC	70 x 505 mm	Imported coconut carbon, iodine >=1000 mg/g	Flow 3-5 L/min; capacity >=20 t; TDS response 5/5; 4-12 months	25/carton
220 g grooved PP	70 x 508 mm	Food-contact melt-blown PP	Flow 3-6 L/min; nominal filtration 5 um	25/carton
20 in G PPC	70 x 505 mm	Imported carbon + food-contact PP	Flow 3-5 L/min; capacity >=15 t; chlorine reduction >=99%; 5 um PP	25/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

S SERIES / TECHNICAL RANGE

20 in S Series · open-end cartridges

- 20 IN FORMAT
- DOMESTIC CARBON
- FOOD-CONTACT SHELL



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
20 in S CTO	70 x 505 mm	Domestic coconut carbon, iodine >=1000 mg/g	Flow 3-5 L/min; capacity >=43 t; initial chlorine reduction >=98%; 6-12 months	25/carton
20 in S GAC	70 x 505 mm	Domestic coconut carbon, iodine >=1000 mg/g	Flow 3-5 L/min; capacity >=18 t; TDS response 4/5; 4-12 months	25/carton
20 in S PPC	70 x 505 mm	Domestic carbon + food-contact PP	Flow 3-5 L/min; capacity >=13 t; chlorine reduction >=98%; 5 um PP	25/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

G SERIES / TECHNICAL RANGE

10 in G Series · Big Blue cartridges

- 30-50% MORE CONTACT AREA
- HIGH FLOW
- DUAL-MEDIA OPTION



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
10 in BB G CTO	113 x 252 mm	Imported coconut carbon, iodine >=1000 mg/g	Flow 8-10 L/min; capacity >=120 t; initial chlorine reduction >=99%; 6-12 months	9/carton
10 in BB G PPC	113 x 252 mm	Imported carbon + food-contact PP	Flow 8-10 L/min; capacity >=100 t; initial chlorine reduction >=99%; 6-12 months	9/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

S SERIES / TECHNICAL RANGE

10 in S Series - Big Blue cartridges

- LARGE CONTACT AREA
- HIGH FLOW
- DUAL-MEDIA OPTION



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
10 in BB S CTO	113 x 252 mm	Domestic coconut carbon, iodine >=1000 mg/g	Flow 8-10 L/min; capacity >=110 t; initial chlorine reduction >=98%; 6-12 months	9/carton
10 in BB S PPC	113 x 252 mm	Domestic carbon + food-contact PP	Flow 8-10 L/min; capacity >=90 t; initial chlorine reduction >=98%; 6-12 months	9/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

G SERIES / TECHNICAL RANGE

20 in G Series · Big Blue cartridges

- 20 IN LARGE FORMAT
- HIGH FLOW
- HIGH MEDIA VOLUME



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
20 in BB G CTO	113 x 508 mm	Imported coconut carbon, iodine >=1000 mg/g	Flow 8-16 L/min; capacity >=150 t; initial chlorine reduction >=99%; 6-12 months	9/carton
20 in BB G PPC	113 x 508 mm	Imported carbon + food-contact PP	Flow 8-16 L/min; capacity >=130 t; initial chlorine reduction >=99%; 6-12 months	9/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

S SERIES / TECHNICAL RANGE

20 in S Series · Big Blue cartridges

- 20 IN LARGE FORMAT
- HIGH FLOW
- HIGH MEDIA VOLUME



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
20 in BB S CTO	113 x 508 mm	Domestic coconut carbon, iodine >=1000 mg/g	Flow 8-16 L/min; capacity >=130 t; initial chlorine reduction >=98%; 6-12 months	9/carton
20 in BB S PPC	113 x 508 mm	Domestic carbon + food-contact PP	Flow 8-16 L/min; capacity >=110 t; initial chlorine reduction >=98%; 6-12 months	9/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

G SERIES / TECHNICAL RANGE

G Series - large quick-connect cartridges



- INTEGRATED BODY
- LOW START-UP FINES
- PRESSURE-TESTED

PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
G large CTO	66 x 276 mm; 1/4 or 3/8 in ports	Imported coconut carbon, iodine >=1000 mg/g	Flow 2-3 L/min; capacity >=12 t; initial chlorine reduction >=95%; 6-12 months	50/carton
G large GAC	66 x 276 mm; 1/4 or 3/8 in ports	Imported coconut carbon, iodine >=1000 mg/g	Flow 2-3 L/min; capacity >=12 t; TDS response 5/5; 4-12 months	50/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

S SERIES / TECHNICAL RANGE

S Series · large quick-connect cartridges

- INTEGRATED BODY
- FOOD-CONTACT SHELL
- PRESSURE-TESTED



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
S large PP 48 g	66 x 276 mm; 1/4 or 3/8 in ports	Food-contact melt-blown PP	Flow 3-6 L/min; nominal filtration 5 µm	50/carton
S large GAC	66 x 276 mm; 1/4 or 3/8 in ports	Domestic coconut carbon, iodine >=1000 mg/g	Flow 2-3 L/min; capacity >=8 t; TDS response 4/5; 4-12 months	50/carton
S large CTO	66 x 276 mm; 1/4 or 3/8 in ports	Domestic coconut carbon, iodine >=1000 mg/g	Flow 2-3 L/min; capacity >=8 t; chlorine reduction >=92%; 4-12 months	50/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

G SERIES / TECHNICAL RANGE

G Series - small quick-connect cartridges

- COMPACT BODY
- LOW START-UP FINES
- PRESSURE-TESTED



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
G small CTO	54 x 265 mm; 1/4 or 3/8 in ports	Imported coconut carbon, iodine >=1000 mg/g	Flow 2-3 L/min; capacity >=8 t; initial chlorine reduction >=85%; 6-12 months	50/carton
G small GAC	54 x 265 mm; 1/4 or 3/8 in ports	Imported coconut carbon, iodine >=1000 mg/g	Flow 2-3 L/min; capacity >=8 t; TDS response 5/5; 6-12 months	50/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

S SERIES / TECHNICAL RANGE

S Series · small quick-connect cartridges

- COMPACT BODY
- FOOD-CONTACT SHELL
- PRESSURE-TESTED

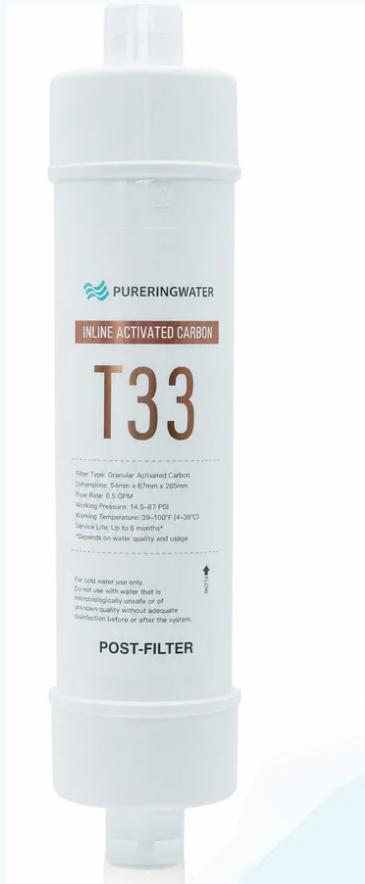


PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
S small PP 25 g	54 x 265 mm; 1/4 or 3/8 in ports	Food-contact melt-blown PP	Flow 3-6 L/min; nominal filtration 5 µm	50/carton
S small GAC	54 x 265 mm; 1/4 or 3/8 in ports	Domestic coconut carbon, iodine >=1000 mg/g	Flow 2 L/min; capacity >=6 t; TDS response 4/5; 6-12 months	50/carton
S small CTO	54 x 265 mm; 1/4 or 3/8 in ports	Domestic coconut carbon, iodine >=1000 mg/g	Flow 2 L/min; capacity >=6 t; initial chlorine reduction >=83%; 6-12 months	50/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

POST-FILTRATION

T33 inline taste & odor polishing cartridge



polishing.

Selected carbon media

Granular coconut-shell activated carbon supports taste and odor polishing.

Independent dust cap

Port protection helps reduce dust entry during handling and transport.

Integrated quick-connect body

Two- and three-port configurations simplify installation in compact systems.

Low start-up fines

Process controls aim to reduce black-water flushing during initial use.

Food-contact shell options

PP or ABS shell options can be matched to project requirements.

OEM-ready format

Ports, media, labels and cartons can be configured around the target system.

G SERIES / TECHNICAL RANGE

G Series - large and small T33 cartridges

- IMPORTED CARBON
- TASTE POLISHING
- QUICK CONNECT



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
G large T33	66 x 276 mm; 1/4 or 3/8 in ports	Imported coconut carbon, iodine >=1000 mg/g	Flow 2-3 L/min; TDS response 5/5; taste rating 5/5	50/carton
G small T33	54 x 265 mm; 1/4 or 3/8 in ports	Imported coconut carbon, iodine >=1000 mg/g	Flow 2-3 L/min; TDS response 5/5; taste rating 5/5	50/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

S SERIES / TECHNICAL RANGE

S Series - large and small T33 cartridges

- DOMESTIC CARBON
- TASTE POLISHING
- QUICK CONNECT



PRODUCT	DIMENSIONS	MEDIA	REFERENCE PERFORMANCE	PACK
S large T33	66 x 276 mm; 1/4 or 3/8 in ports	Domestic coconut carbon, iodine >=1000 mg/g	Flow 2-3 L/min; TDS response 4/5; taste rating 4/5	50/carton
S small T33	54 x 265 mm; 1/4 or 3/8 in ports	Domestic coconut carbon, iodine >=1000 mg/g	Flow 2-3 L/min; TDS response 4/5; taste rating 4/5	50/carton

Reference values are based on factory laboratory testing. Actual performance varies with feed water and operating conditions.

OEM / ODM

YOUR SYSTEM. YOUR BRAND.

Develop a market-ready filtration cartridge with selectable media, dimensions, structure, ports, labels and packaging.

01 DEFINE

Application, housing, water conditions and target market.

02 SAMPLE

Material, dimensions, construction, label and packaging.

03 VALIDATE

Fit, reference performance, documentation and approval.

04 PRODUCE

Controlled production, inspection and shipment planning.



WATER PURIFICATION CARTRIDGE DEVELOPMENT

PureRing Water connects international customers with a focused water-filtration cartridge production base.

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