

## FCA - Activated Carbon Cartridge



Granular activated carbon cartridge.

Protects water from chlorine, pesticides, herbicides and other sediments over 1 mcr.

Gives water a better taste without unpleasant smell and turbidity.

Keeps natural water structure and mineral composition.

Item	FCA	FCA BB10	FCA BB20
Dimensions, inch	10 x 2 1/2	10 x 4 1/2	20 x 4 1/2
Productivity, l/min	6	6	6
Working temperature, °C	3-36	3-36	3-36
Lifespan, months	up to 6	up to 6	up to 6
Maximum pressure difference, mPa	0,2-0,4	0,2-0,4	0,2-0,4

## FCB - Coconut Shell Carbon Cartridge



Coconut shell activated carbon cartridge.

Protects water from chlorine, pesticides, herbicides and other sediments over 1 mcr.

Gives water a better taste without unpleasant smell and turbidity.

Keeps natural water structure and mineral composition.

Item	FCB
Dimensions, inch	10 x 2 1/2
Productivity, l/min.	6
Working temperature, °C	3-36
Lifespan, months	up to 6
Maximum pressure difference, mPa	0,2-0,4

## FCBL - Activated Carbon Block Cartridge



Activated carbon cartridge (carbon block technology).

Protects water from chlorine, pesticides, herbicides and other sediments over 1 mcr.

Gives water a better taste without unpleasant smell and turbidity.

Keeps natural water structure and mineral composition.

Item	FCBL	FCBL BB10	FCBL BB20
Dimensions, inch	10 x 2 1/2	10 x 4 1/2	20 x 4 1/2
Productivity, l/min	6	6	6
Working temperature, °C	3-36	3-36	3-36
Lifespan, months	up to 6	up to 6	up to 6
Maximum pressure difference, mPa	0,2-0,4	0,2-0,4	0,2-0,4

## FCBKDF - Activated Carbon Cartridge with KDF® Element



Made of coconut shell activated carbon and KDF-85.

Protects water from chlorine, pesticides, herbicides and other sediments over 1 mcr. KDF-85 is used for removing iron, hydrogen sulfide, heavy metals.

Protects from bacteria and viruses, blocks reproduction of microorganisms.

Perfect for water with large amount of sediments.

Item	FCBKDF
Dimensions, inch	10 x 2 1/2
Productivity, l/min	6
Working temperature, °C	3-36
Lifespan, months	up to 6
Maximum pressure difference, mPa	0,2-0,4

## 1. PS 1005 2. FCA 3. FCBL K-CA - standard filtration

Sediment filtration: removing sand, rust, sediment, clay, mud, scales, suspension and other sediments.

Combined sorption filtration (activated carbon + carbon block): protects water from chlorine, pesticides, herbicides and others. Gives water a better taste without unpleasant smell and turbidity. Keeps natural water structure and mineral composition.

## 1. PS 1005 2. FCB 3. FCBL K-CB - improved filtration

Sediment filtration: removing sand, rust, sediment, clay, mud, scales, suspension and other sediments.

Combined sorption filtration (high quality coconut carbon + carbon block). Protects water from heavy metals, perfect for water filtration from chlorine, pesticides, herbicides and others. Improves water taste. Keeps natural water structure and mineral composition.

## 1. PS 1005 2. FCST 3. FCB K-ST - filtration + water softening

Sediment filtration: removing sand, rust, sediment, clay, mud, scales, suspension and other sediments.

Effective softening: water softening through high quality ion exchange resin made by world leading manufacturers. Removing iron, manganese, heavy metals. Anti-scale.

Sorption filtration: protects water from heavy metals, chlorine, pesticides, herbicides and others.

## 1. PS 1005 2. FCFE 3. FCB K-FE - filtration + iron removal

Sediment filtration: removing sand, rust, sediment, clay, mud, scales, suspension and other sediments.

Iron removal: AC and MC sorbents act as an oxidation catalyst for iron, hydrogen sulfide and manganese. Removing iron, strontium, aluminum, oil products, phenol, fluorine and others.

Sorption filtration: protects water from heavy metals, chlorine, pesticides, herbicides and others.

## 1. PS 1005 2. FCB 3. PS 1001 KCB-FRO - for RO water filtration systems

Sediment filtration 5 mcr: removing sand, rust, sediment, clay, mud, scales, suspension and other sediments. Improved sorption filtration: protects water from heavy metals, perfect for water filtration from chlorine, pesticides, herbicides and others. Improves water taste. Keeps natural water structure and mineral composition. Improved sediment filtration 1 mcr: removing extra small sediments and protect against re-release of contaminants absorbed by previous cartridges.

## 1. PS 1005 2. FCB 3. PS 1001 4. Membrane 5. Post filter KCB-FRO-5 - for RO water filtration systems + membrane + post filter

RO membrane – removing 96- 99% of contaminants from water including bacteria and viruses. Carbon post filter – last stage of water filtration. Granular coconut activated carbon, gives water a better taste without unpleasant smell.

## 1. PS 1005 2. FCB 3. PS 1001 4. Membrane 5. Post filter 6. Mineralization KCB-FRO-6 - for RO water filtration systems + membrane + post filter + mineralization

Water mineralization – getting water with necessary minerals and microelements.

## 1. PS 1005 2. FCB 3. PS 1001 4. Membrane 5. Post filter 6. Mineralization 7. Bio ceramic activation KCB-FRO-7 - for RO water filtration systems + membrane + post filter + mineralization + bio ceramic water activation

Bio ceramic water activation. Water becomes biologically active with its natural structure.



# unicorn

INNOVATIVE TECHNOLOGIES  
IN ALL PRODUCTS

## WATER FILTERS AND FILTRATION SYSTEMS

IDEAL TECHNOLOGIES  
FOR FILTRATION SYSTEMS

100%  
QUALITY  
GUARANTEE

## ION EXCHANGE CARTRIDGES

## FCST - Cartridge for Softening



With high quality ion exchange resin.

Cartridge softens the water (by ion exchange).

Removing iron, manganese, heavy metals.

Anti-scale.

Longer lifespan.

Multiple filler regeneration.

Item	FCST	FCST BB10	FCST BB20
Dimensions, inch	10 x 2 1/2	10 x 4 1/2	20 x 4 1/2
Productivity, l/min	6	6	6
Working temperature, °C	3-36	3-36	3-36
Lifespan, months	up to 6	up to 6	up to 6
Maximum pressure difference, mPa	0,2-0,4	0,2-0,4	0,2-0,4

## FCFE - Iron Removal Cartridge



With high quality sorbents.

Acts as an oxidation catalyst for iron, hydrogen sulfide and manganese.

Removing iron, strontium, aluminum, oil products, phenol, fluorine and others.

Sorbent does not expend while using.

Keeps very small amount of sediments in processed water.

Item	FCFE	FCFE BB10	FCFE BB20
Dimensions, inch	10 x 2 1/2	10 x 4 1/2	20 x 4 1/2
Productivity, l/min	6	6	6
Working temperature, °C	3-36	3-36	3-36
Lifespan, months	up to 6	up to 6	up to 6
Maximum pressure difference, mPa	0,2-0,4	0,2-0,4	0,2-0,4

## FCPF - anti-scale polyphosphate crystals cartridge



Cartridge contains sodium polyphosphate salts.

Cartridge softens the water.

Anti-scale.

Removing chlorine.

Long lifespan.

Low consumption of polyphosphate crystals.

NB! For process water only.

For process water only

Item	FCPF
Dimensions, inch	10 x 2 1/2
Productivity, l/min.	6
Working temperature, °C	3-45
Lifespan, months	up to 12
Maximum pressure difference, mPa	0,2-0,4
Salt consumption, g/m3	0,4

UNICORNPLAST.COM

UNICORNPLAST.COM

Manufacturer's address:  
1E Pleshkova Str.,  
Rasumnoe, Belgorod region,  
308510, Russian Federation



More information is available  
on the website and on the  
YouTube/RuTube channels.  
Please subscribe so as not to  
miss the new items!

2025



## Filter Housings for Cold Water



Used for protecting pipes, plumbing and home appliances.

Mounted into cold water supply main line.

For domestic and commercial use.

Designed to fit standard 10" cartridges made of polypropylene fiber, polypropylene wound thread as well as for different cartridges used for carbon and ion exchange filtration.

New filter housing. New form, reinforced insert! Best price!

Model	KSBP5	KSBP 1/2	KSBP 3/4	KSBP 1
Height, mm	205	330	330	331
Width, mm	115	115	115	135
In/out, inch	1/2"	1/2"	3/4"	1"
Productivity, l/min	up to 10	up to 10	up to 10	up to 10
Cartridge dimensions, inch	5 x 2 1/2	10 x 2 1/2	10 x 2 1/2	10 x 2 1/2
Working pressure, bar	6	6	6	6
Working temperature	2-45 °C	2-45 °C	2-45 °C	2-45 °C
Housing	transparent	transparent	transparent	transparent

Model	KSBP DUO 12	KSBP DUO 34	KSBP TRIO 12	KSBP TRIO 34
Height, cm	330	330	330	330
Length, mm	240	240	355	355
Width, mm	107	107	105	105
In/out, inch	1/2"	3/4"	1/2"	3/4"
Productivity, l/min	up to 10	up to 10	up to 10	up to 10
Cartridge dimensions, inch	10 x 2 1/2	10 x 2 1/2	10 x 2 1/2	10 x 2 1/2
Working pressure, bar	6	6	6	6
Working temperature	2-45 °C	2-45 °C	2-45 °C	2-45 °C
Housing	transparent	transparent	transparent	transparent

## Big Blue (Jumbo) Filter Housing

Used for cottages and industrial enterprises water treatment.

Two parts (head and housing).

Large filter housing for high-flow.

Head is equipped with air valve for air release.

Brass inserts.

Different cartridges for different sediments.



Model	FHBB 10	FHBB 20
Height, cm	25	50
Width, cm	17,5	17,5
In/out, inch	1"	1"
Cartridge dimensions, inch	10 x 2 1/2	20 x 4 1/2
Working pressure, bar	6	6
Working temperature	2-45 °C	2-45 °C
Housing	non-transparent	non-transparent

The head of the filter has an air vent valve and guides for proper installation of the cartridge. Brass inserts.



Model	FHBB 10P	FHBB 20P
Height, cm	25	50
Width, cm	17,5	17,5
In/out, inch	1"	1"
Cartridge dimensions, inch	10 x 2 1/2	20 x 4 1/2
Working pressure, bar	6	6
Working temperature	2-45 °C	2-45 °C
Housing	transparent	transparent

## 3-stage Water Filtration System

Under sink water filtration system.

Different sets of cartridges for different sediments.

Features:
Cartridge lifespan: 6500 liters
Productivity: 5 l/min
Replace every 3-6 months.



GL - FPS 3 standard purification

GL - FPS 3 (ST) water softening

Brand new water purification under sink systems. Increased strength characteristics due to high-quality housing and reinforced inserts.

The one-piece bracket with heads guarantees absolute water tightness.

Compact size is ideal for tight spaces.



FPS-3 standard purification

FPS-3 (ST) water softening

## WATER FILTRATION STAGES

## Stage 1

Sediment filtration. Cartridge is made of high-quality primary polypropylene. Removes sediment larger than 5 microns (rust, sand, silt, etc.).

## Stage 2 – FPS-3N, FPS-3

Standard or improved carbon filtration – removal of chlorine and its compounds, nitrates, nitrites, etc.

Improves water taste and keeps natural water structure and mineral composition.

## \*Stage 2 – FPS-3N (ST), FPS-3 (ST)

Special cartridge for water softening.

With high quality ion exchange resin.

Cartridge softens the water by ion exchange.

Removing iron, manganese, heavy metals.

Anti-scale.

## Stage 3

Carbon filtration – removing heavy metals, purifies water from chlorine and its compounds, nitrates, nitrites, etc., as well as mechanical impurities larger than 1 micron.

## RO Water Filtration Systems

Water filtration systems for best water quality.

Several filtration stages including RO membrane allow to remove 99% of contaminants from water including bacteria and viruses.

Clean water is accumulated in the tank and goes to the faucet mounted separately on the sink.



FRO-5N 5-stage system

FRO-6N 6-stage system

FRO-7N 7-stage system

**NEW** Additional pump unit (\*P in the model number) to ensure stable operation in case of pressure drops in the water supply system.

The pump unit has a UV lamp as an additional purification stage to ensure the highest quality of purified water.



FRO-5 5-stage system

FRO-6 6-stage system

FRO-7 7-stage system

**NEW** Additional pressure boosting pump (\*P in the model number) to ensure stable operation in case of pressure drops in the water supply system.

## WATER FILTRATION STAGES

## Stage 1

Sediment filtration. Cartridge is made of high-quality primary polypropylene. Removes sediment larger than 5 microns (rust, sand, silt, etc.).

## Stage 2

Carbon filtration – removing heavy metals, purifies water from chlorine and its compounds, nitrates, nitrites, etc., as well as mechanical impurities larger than 1 micron.

## Stage 3

Sediment filtration. Cartridge is made of high-quality primary polypropylene. Removes sediment larger than 1 microns (rust, sand, silt, etc.), and protects against recontamination (re-emission of the sediment).

## Stage 4

RO membrane – removing 96- 99% of contaminants from water including bacteria and viruses.

## Stage 5

Carbon post filter – last stage of water filtration. Granular coconut activated carbon, gives water a better taste without unpleasant smell.

## Stage 6 (for 6- and 7-stage systems)

Water mineralization – getting water with necessary minerals and microelements (calcium, magnesium, sodium, etc.), which equates it to natural mineral water.

## Stage 7 (for 7-stage systems)

Bioceramic water activation. Is used as an additional element in RO systems for structuring water molecules, which leads to an improvement in water quality.

## Polypropylene Spun Cartridges

High quality polypropylene spun cartridge made using "melt-blown" technique.

Removing sand, rust, sediment, clay, mud, scales, suspension and other sediments.

Improve water quality, protect home appliances and equipment.

Perfect for using in drinking systems (under sink triple system, RO system).

Longer lifespan.



Item	Dimensions, inch	Filtration, mcr	Productivity, l/min	Working temperature, °C	Lifespan, months	Max. pressure difference, mPa
PS 0505	5 x 2 1/2	5	20	3-45	up to 6	0,2-0,4
PS 1001	10 x 2 1/2	1	20	3-45	up to 6	0,2-0,4
PS 1005	10 x 2 1/2	5	20	3-45	up to 6	0,2-0,4
PS 1010	10 x 2 1/2	10	20	3-45	up to 6	0,2-0,4
PS 1020	10 x 2 1/2	20	20	3-45	up to 6	0,2-0,4
PS 1050	10 x 2 1/2	50	20	3-45	up to 6	0,2-0,4
PS BB 1001	10 x 4 1/2	1	20	3-45	up to 6	0,2-0,4
PS BB 1005	10 x 4 1/2	5	20	3-45	up to 6	0,2-0,4
PS BB 1010	10 x 4 1/2	10	20	3-45	up to 6	0,2-0,4
PS BB 1020	10 x 4 1/2	20	20	3-45	up to 6	0,2-0,4
PS BB 1050	10 x 4 1/2	50	20	3-45	up to 6	0,2-0,4
PS BB 2001	20 x 4 1/2	1	20	3-45	up to 6	0,2-0,4
PS BB 2005	20 x 4 1/2	5	20	3-45	up to 6	0,2-0,4
PS BB 2010	20 x 4 1/2	10	20	3-45	up to 6	0,2-0,4
PS BB 2020	20 x 4 1/2	20	20	3-45	up to 6	0,2-0,4
PS BB 2050	20 x 4 1/2	50	20	3-45	up to 6	0,2-0,4
<b>PS 1005 HOT</b>	<b>10 x 2 1/2</b>	<b>5</b>	<b>20</b>	<b>3-85</b>	<b>up to 6</b>	<b>0,2-0,4</b>

## Polypropylene Yarn Cartridges

High quality polypropylene yarn cartridge.

Removing sand, rust, sediment, clay, mud, scales, suspension and other sediments.

Improve water quality, protect home appliances and equipment.

Longer lifespan.



Item	Dimensions, inch	Filtration, mcr	Productivity, l/min	Working temperature, °C	Lifespan, months	Max. pressure difference, mPa
PP 0505	5 x 2 1/2	5	20	3-45	up to 6	0,2-0,4
PP 1001	10 x 2 1/2	1	20	3-45	up to 6	0,2-0,4
PP 1005	10 x 2 1/2	5	20	3-45	up to 6	0,2-0,4
PP 1010	10 x 2 1/2	10	20	3-45	up to 6	0,2-0,4
PP 1020	10 x 2 1/2	20	20	3-45	up to 6	0,2-0,4
PP 1050	10 x 2 1/2	50	20	3-45	up to 6	0,2-0,4
PP BB1001	10 x 4 1/2	1	20	3-45	up to 6	0,2-0,4
PP BB 1005	10 x 4 1/2	5	20	3-45	up to 6	0,2-0,4
PP BB 1010	10 x 4 1/2	10	20	3-45	up to 6	0,2-0,4
PP BB 1020	10 x 4 1/2	20	20	3-45	up to 6	0,2-0,4
PP BB 1050	10 x 4 1/2	50	20	3-45	up to 6	0,2-0,4
PP BB 2001	20 x 4 1/2	1	20	3-45	up to 6	0,2-0,4
PP BB 2005	20 x 4 1/2	5	20	3-45	up to 6	0,2-0,4
PP BB 2010	20 x 4 1/2	10	20	3-45	up to 6	0,2-0,4
PP BB 2020	20 x 4 1/2	20	20	3-45	up to 6	0,2-0,4
PP BB 2050	20 x 4 1/2	50	20	3-45	up to 6	0,2-0,4
<b>PP 1005 HOT</b>	<b>10 x 2 1/2</b>	<b>5</b>	<b>20</b>	<b>3-85</b>	<b>до 6</b>	<b>0,2-0,4</b>

## FILTERS FOR HOME APPLIANCES

## KSBP5+Polifos – Polyphosphate Filter for Water Heaters

Anti-scale filter 5" for water heating appliances. Filtration element – polyphosphate salt crystals. Universal connection.

Features:  
Working pressure: 6 atm  
Working temperature: 2 °C - 50 °C  
Salt consumption: 5 g/100 l  
In/out: 1/2"

For process water only!



## WM34 – Polyphosphate Filter for Washing Machines

For washing machines and dishwashers.

## Polyphosphate Crystals

Used in filters for washing machines and dishwashers, filters for water heaters.

Anti-scale filter for water pipes and home appliances.



CP 05 – 0,5 kg (plastic box)  
CP 20 – 20 kg (bag)

Features:  
Working pressure: 8 atm  
Working temperature: 2 °C - 50 °C  
Capacity: 60 l/min.  
In/out: 3/4"

