

LAB PUA HIGH FLOW  
COMPLETE AU STANDARD



## The Lab Pua efforts for making perfect pure and clean water

Providing customer, whatever their situation, with top quality, Korea-manufactured water filters that perform consistently every time and give them clean, healthy, great-tasting water anytime, anywhere.

## User Guide

For correct operation & installation  
it is essential to observe these instructions.



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## LAB PUA Customer Service

Thank you for purchasing a LAB PUA HIGHFLOW COMPLETE system.

Your system is a proven performer manufactured from only quality materials and components and will give years of 'spring fresh' water if maintained properly. This cartridge needs replacing regularly to maintain optimum performance. This is a simple procedure when following instructions. For cartridge replacements contact our customer service.

## APPLICATIONS



Water  
Station



ICE



Cold  
Beverage



Drinking  
Fountain



Food  
Service



COFFEE



Office Coffee  
Service(OCS)



Hot Water  
Dispenser



Machine

## Cartridge Replacement

To maintain the high quality of the purified water the cartridges need changing every 12 months (this is dependant on water quality and usage). You can obtain replacement cartridges from our customer service. To maintain performance standards and warranty, use only LAB PUA replacements.

Order the **LAB PUA HIGHFLOW COMPLETE** for a replacement cartridge to suit your Hiflow system.

## Installation

This Hiflow system comes complete with an installation kit enabling it to be connected to 15mm(1/2") male thread to an existing tap or mixer tap (Cold supply only – hot water should be filtered prior to heating).

Also includes extending kit, where extra length is required.

## Installation requirements

1. 15mm (1/2") Cold water flexi-connector to tap.
2. Water supply pressure: 200-860 kPa.
3. Water supply temperature: 2-38

Alternative fittings may be required if being connected to anything other than 15mm (1/2") doesn't have to be copper pipe. No electrical or drainage requirements needed.

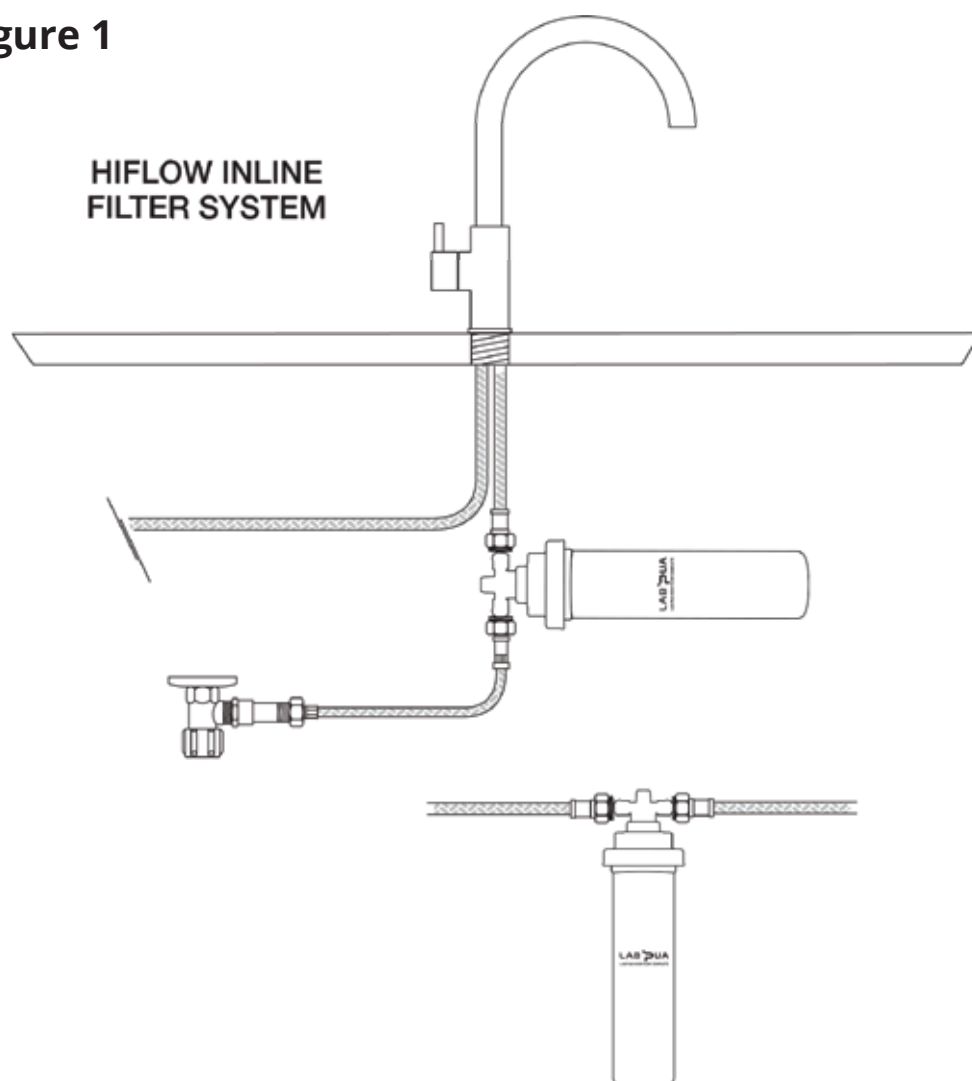
## Installation Instructions

1. Turn off main tap water.
2. Rotate the old cartridge counter clockwise ¼ turn and pull it out.
3. Insert the new cartridge into the filter head and rotate clockwise 1/4 turn.
4. Place the cartridge to the vertical position.
5. Turn on the main tap water and check for leaks. If leaks occurs, repeat step 1, 2, 3,4. If leaks persist, discontinue use and call LAB PUA customer service.
6. Flush filter for 10minutes before use.

### Operation Tips

1. For cold water only.
2. Filter should be replaced by each required replacement date.
3. The testing was performed under standard laboratory conditions, actual performance may vary.
4. Check for compliance with the state and local laws and regulations.
5. System must be installed and operated in accordance with manufacturer's recommended procedures and guidelines.
6. Be sure to use the pressure reducing valve, If the water pressure exceeds 4bar.

**Figure 1**



## Cartridge Changeout

1. Place container under filter in case of drips.
2. Isolate water supply and release water pressure by operating faucet level.
3. Unscrew LAB PUA cartridge in a clock-wise direction.  
Discard old cartridge.
4. Take off cap from the new cartridge. Twist new cartridge into head until firmly seated. Please note arrow on cartridge to indicate this.
5. Restore water supply.
6. Check for any leaks, rectify them if any, before leaving the unit.

After installing cartridge flush unit for 10 minutes.

## Use Guidelines

- Only use for mains water supply.
- Minimum operating pressure 200 kPa.
- Maximum operating pressure 860 kPa.
- Do not allow exposure to temperatures below 4°C.
- Maximum operating temperature 38°C.
- Nominal flow rate 5.67Liters.
- This system must be installed according to local plumbing codes on the cold water line only.
- Replacement Cartridges: See Cartridge Changeout section
- This system requires regular replacement of the filter cartridge to maintain proper operation. Varying chlorine, sediment, or organic substance levels may affect replacement frequency.
- Be sure to change the filter cartridge at least every 50,000 liters or 12 months which ever occurs first; or whenever you detect a change in taste, odour, or decrease in flow.

Caution: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## Performance Data

Model	Size (Inch)	Micron (um)	Flow Rate (PLM)	Capacity (L)	Media	Reduction Claim						
						Particle	Dust & Sand	Chlorine	Taste & Odor	Cyst	Bacteria	Scale Inhibitor
LPA-SD5-10	10	5	5.67	50,000	Sediment	●	●					
LPA-CB5-10	10	5	5.67	50,000	Carbon Block, Chlorine Reduction, Sediment removal, Taste & Odor Reduction	●		●	●			
LPA-CB1-10	10	1	5.67	50,000	Carbon Block, Chlorine Reduction, Sediment removal, Taste & Odor Reduction	●		●	●			
LPA-CS5-10	10	5	5.67	50,000	Carbon Block, Chlorine Reduction, Sediment removal, Taste & Odor Reduction	●	●	●	●			
LPA-MP1-10	10	0.1	5.67	50,000	Carbon Block, ACF Media, Hollow Fiber, Bacteria & Cyst	●	●	●	●	●	●	
LPA-MP1S-10	10	0.1	5.67	50,000	Carbon Block, ACF Media, Hollow Fiber, Bacteria & Cyst, Scale Inhibitor	●	●	●	●	●	●	●
LPA-CS1-10	10	1	5.67	50,000	Scale Inhibitor, Chlorine, Taste and Odor, Particulate Class 1	●		●	●			●
LPA-CS1-15	15	1	6.43	64,345	Scale Inhibitor, Chlorine, Taste and Odor, Particulate Class 1	●		●	●			●
LPA-CS5-15	15	5	5.67	50,000	Scale Inhibitor, Chlorine, Taste and Odor, Particulate Class 1	●		●	●			●
LPA-SD5-17	17	5	7.94	79,484	Sediment	●	●					
LPA-CB5-17	17	5	7.94	79,484	Carbon Block, Chlorine Reduction, Sediment removal, Taste & Odor Reduction	●		●	●			
LPA-CS5-17	17	5	7.94	79,484	Carbon Block, Chlorine Reduction, Sediment removal, Taste & Odor Reduction	●		●	●			
LPA-MP1-17	17	0.1	7.94	79,484	Carbon Block, ACF Media, Hollow Fiber, Bacteria & Cyst	●	●	●	●	●	●	
LPA-MP1S-17	17	0.1	7.94	79,484	Carbon Block, ACF Media, Hollow Fiber, Bacteria & Cyst, Scale Inhibitor	●	●	●	●	●	●	●

### LAB PUA\_SINGLE SYSTEM - LPA-SD5-10



#### SPECIFICATIONS

Service Flow Rate	1.5GPM (5.67L/min)
Rated Capacity	13,210 Gallon (50,000L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *12.5" Cartridge : Ø3.3" *10.7"
Weight	0.6kg
Claim	Particle, Dust and Sand, etc

#### FEATURES · BENEFITS

- Pretreatment filtration (PP, Melt Blown Type)
- Can remove up to 5micron particles through mechanical method.
- Replacement method is very simple, quick and clean.

### LAB PUA\_SINGLE SYSTEM - LPA-CB5-10



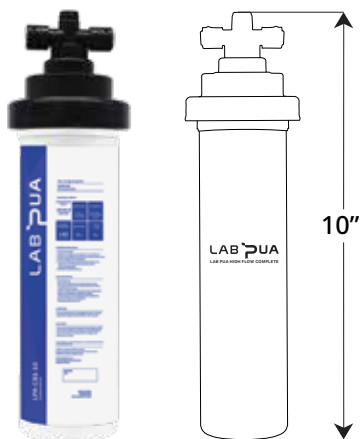
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Rated Capacity	13,210 Gallon (50,000L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *12.5" Cartridge : Ø3.3" *10.7"
Weight	0.6kg
Claim	Chlorine, Taste and Odor, Particulate Class 3 (5~15um)

#### FEATURES · BENEFITS

- HNN' s carbon block is made by high quality and quantity gac.  
(Therefore, water quality is more stable and Capacity is bigger than competitor's products)
- 5micron pore size CTO Block
- Extrusion carbon production method provides stable quality and
- Pre-shield Technology can prevent early clogging and keep the lifespan.
- Replacement method is easy quick-change.

### LAB PUA\_SINGLE SYSTEM - LPA-CB1-10



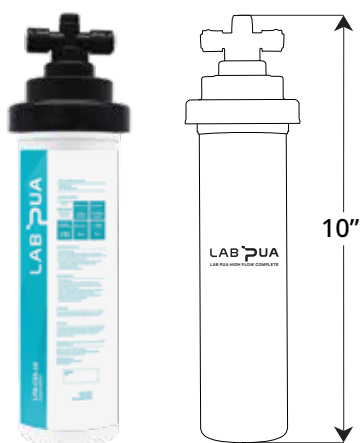
#### SPECIFICATIONS

Service Flow Rate	1.5GPM (5.67L/min)
Rated Capacity	13,210 Gallon (50,000L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *12.5" Cartridge : Ø3.3" *10.7"
Weight	0.6kg
Claim	Chlorine, Taste and Odor, Particulate Class 1 (0.5~1.0um)

#### FEATURES · BENEFITS

- HNN' s carbon block is made by high quality and quantity gac.  
(Therefore, water quality is more stable and Capacity is bigger than competitor's products)
- 1micron pore size CTO Block
- Extrusion carbon production method provides stable quality and
- Pre-shield Technology can prevent early clogging and keep the lifespan.
- Replacement method is easy quick-change.

### LAB PUA\_SINGLE SYSTEM - LPA-CS5-10



#### SPECIFICATIONS

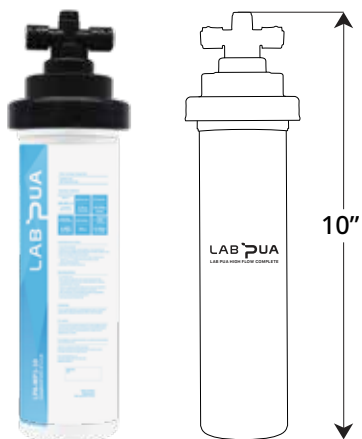
Service Flow Rate	1.5GPM (5.67L/min)
Rated Capacity	13,210 Gallon (50,000L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *12.5" Cartridge : Ø3.3" *10.7"
Weight	0.6kg
Claim	Chlorine, Taste and Odor, Particulate, Scale Inhibitor

#### FEATURES · BENEFITS

- Phosphate can prevent to make scale in boiler or heater (phosphate)
- 5micron pore size CTO Block
- Extrusion carbon production method provides stable quality and
- Pre-shield Technology can prevent early clogging and keep the lifespan.
- Replacement method is easy quick-change.



### LAB PUA\_SINGLE SYSTEM - LPA-MP1-10



#### SPECIFICATIONS

Service Flow Rate	1.5GPM (5.67L/min)
Rated Capacity	13,210 Gallon (50,000L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *12.5" Cartridge : Ø3.3" *10.7"
Weight	0.6kg
Claim	Chlorine, Taste and Odor, Particulate, Bacteria & Cyst, (Optional _ Scale Inhibitor)

#### FEATURES • BENEFITS

- Composite filter is made with carbon and hollow Fiber
- 0.1um pore size can remove bacteria and cyst
- Replacement method is easy quick-change.

### LAB PUA\_SINGLE SYSTEM - LPA-MP1S-10



#### SPECIFICATIONS

Service Flow Rate	2.1GPM (7.94L/min)
Rated Capacity	13,210 Gallon (50,000L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *12.5" Cartridge : Ø3.3" *10.7"
Weight	0.6kg
Claim	Chlorine, Taste and Odor, Particulate, Bacteria & Cyst, Scale Inhibitor

#### FEATURES • BENEFITS

- Composite filter is made with carbon and hollow Fiber
- 0.1um pore size can remove bacteria and cyst
- LPA-MP-1-17 has one more carbon block . The carbon block can improve water taste and odor
- Replacement method is easy quick-change.
- Phosphate can prevent to make scale in boiler or heater (phosphate)

## LAB PUA\_SINGLE SYSTEM - LPA-CS1-10



### SPECIFICATIONS

Service Flow Rate	1.5GPM (5.67L/min)
Rated Capacity	13,210 Gallon (50,000L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *12.5" Cartridge : Ø3.3" *10.7"
Weight	0.6kg
Claim	Scale Inhibitor, Chlorine, Taste and Odor, Particulate Class 1

### FEATURES • BENEFITS

- Chemical / Mechanical Reductions
- 1um pore size can remove bacteria and cyst
- Replacement method is easy quick-change.

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### LAB PUA\_SINGLE SYSTEM - LPA-CS1-15



#### SPECIFICATIONS

Service Flow Rate	1.7GPM (6.43L/min)
Rated Capacity	17,000 Gallons (64,645L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *16.9" Cartridge : Ø3.3" *15.7"
Weight	0.8kg
Claim	Scale Inhibitor, Chlorine, Taste and Odor, Particulate Class 1 (0.5~1.0um)

#### FEATURES • BENEFITS

- Chemical / Mechanical Reductions
- 1um pore size can remove bacteria and cyst
- Replacement method is easy quick-change.

### LAB PUA\_SINGLE SYSTEM - LPA-CS5-15



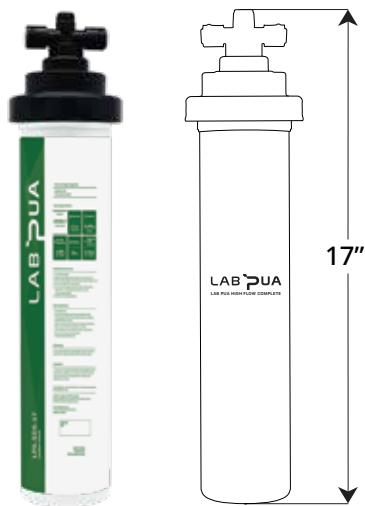
#### SPECIFICATIONS

Service Flow Rate	1.7GPM (6.43L/min)
Rated Capacity	17,000 Gallons (64,645L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *16.9" Cartridge : Ø3.3" *15.7"
Weight	0.8kg
Claim	Chlorine, Taste and Odor, Particulate, Scale Inhibitor

#### FEATURES • BENEFITS

- Phosphate can prevent to make scale in boiler or heater (phosphate)
- 5micron pore size CTO Block
- Extrusion carbon production method provides stable quality and
- Pre-shield Technology can prevent early clogging and keep the lifespan.
- Replacement method is easy quick-change.

## LAB PUA\_SINGLE SYSTEM - LPA-SD5-17



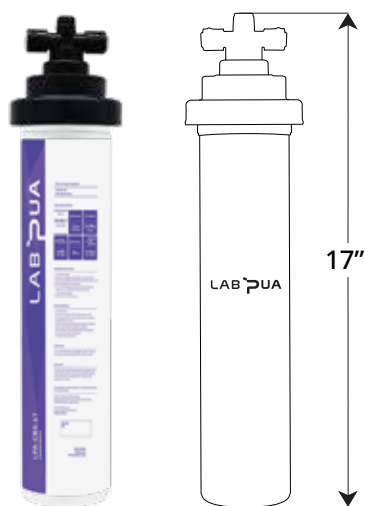
### SPECIFICATIONS

Service Flow Rate	2.1GPM (7.94L/min)
Rated Capacity	21,000 Gallon (79,484L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *18.8" Cartridge : Ø3.3" *17.4"
Weight	1.0kg
Claim	Particle, Dust and Sand, etc

### FEATURES · BENEFITS

- Pretreatment filtration (PP, Melt Blown Type)
- Can remove up to 5micron particles through mechanical method.
- Replacement method is very simple, quick and clean.

## LAB PUA\_SINGLE SYSTEM - LPA-CB5-17



### SPECIFICATIONS

Service Flow Rate	2.1GPM (7.94L/min)
Rated Capacity	21,000 Gallon (79,484L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *18.8" Cartridge : Ø3.3" *17.4"
Weight	1.0kg
Claim	Chlorine, Taste and Odor, Particulate Class 1 (0.5~1.0um)

### FEATURES · BENEFITS

- HNN' s carbon block is made by high quality and quantity gac.  
(Therefore, water quality is more stable and Capacity is bigger than competitor's products)
- 5micron pore size CTO Block
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- Pre-shield Technology can prevent early clogging and keep the lifespan.
- Replacement method is easy quick-change.

### LAB PUA\_SINGLE SYSTEM - LPA-CS5-17



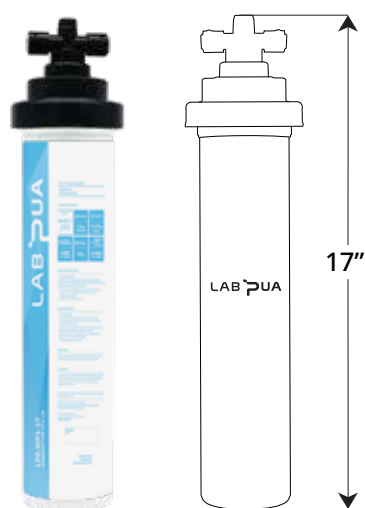
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Dimension	Overall : 3.7" *18.8" Cartridge : Ø3.3" *17.4"
Weight	1.0kg
Claim	Chlorine, Taste and Odor, Particulate, Scale Inhibitor

#### FEATURES · BENEFITS

- Phosphate can prevent to make scale in boiler or heater (phosphate)
- 5micron pore size CTO Block
- Extrusion carbon production method provides stable quality and
- Pre-shield Technology can prevent early clogging and keep the lifespan.
- Replacement method is easy quick-change.

### LAB PUA\_SINGLE SYSTEM - LPA-MP1-17



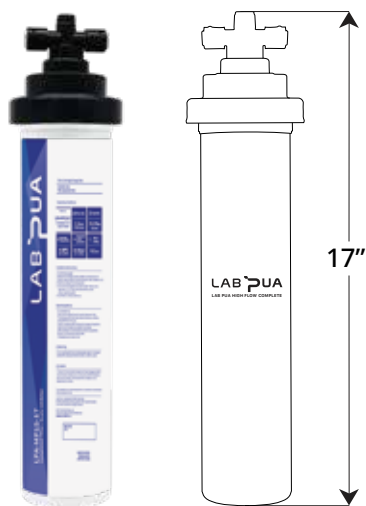
#### SPECIFICATIONS

Service Flow Rate	2.1GPM (7.94L/min)
Rated Capacity	18,500 Gallon (70,000L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *18.8" Cartridge : Ø3.3" *17.4"
Weight	1.0kg
Claim	Chlorine, Taste and Odor, Particulate, Bacteria & Cyst

#### FEATURES · BENEFITS

- Composite filter is made with carbon and hollow Fiber
- 0.1um pore size can remove bacteria and cyst
- LPA-MP 1-17 has one more carbon block . The carbon block can improve water taste and odor
- Replacement method is easy quick-change.

## LAB PUA\_SINGLE SYSTEM - LPA-MP1S-17



### SPECIFICATIONS

Service Flow Rate	2.1GPM (7.94L/min)
Rated Capacity	18,500 Gallon (70,000L)
Operation Temperature	4~38°C (39~100°F)
Pressure Requirements	10~100 psi (0.7~6.9bar)
Inlet / Outlet Connection	3/8"
Electrical Connection	None required
Dimension	Overall : 3.7" *18.8" Cartridge : Ø3.3" *17.4"
Weight	1.0kg
Claim	Chlorine, Taste and Odor, Particulate, Bacteria & Cyst, Scale Inhibitor

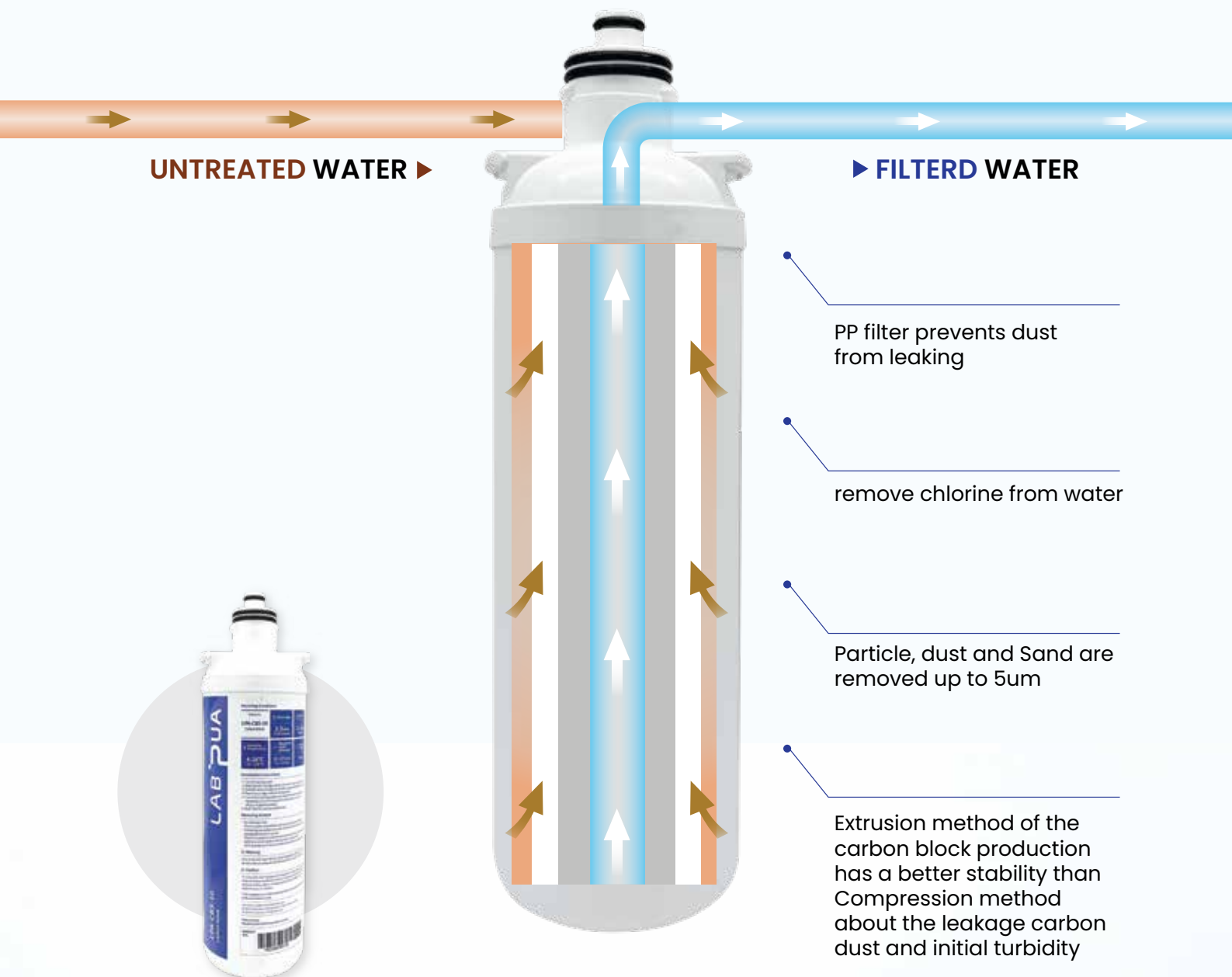
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- Composite filter is made with carbon and hollow Fiber
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- Replacement method is easy quick-change.
- Phosphate can prevent to make scale in boiler or heater (phosphate)

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LPA-CB5-10

Chlorine, Taste & Odor, Particle Reduction Filter  
5 MICRON FULL CARBON BLOCK

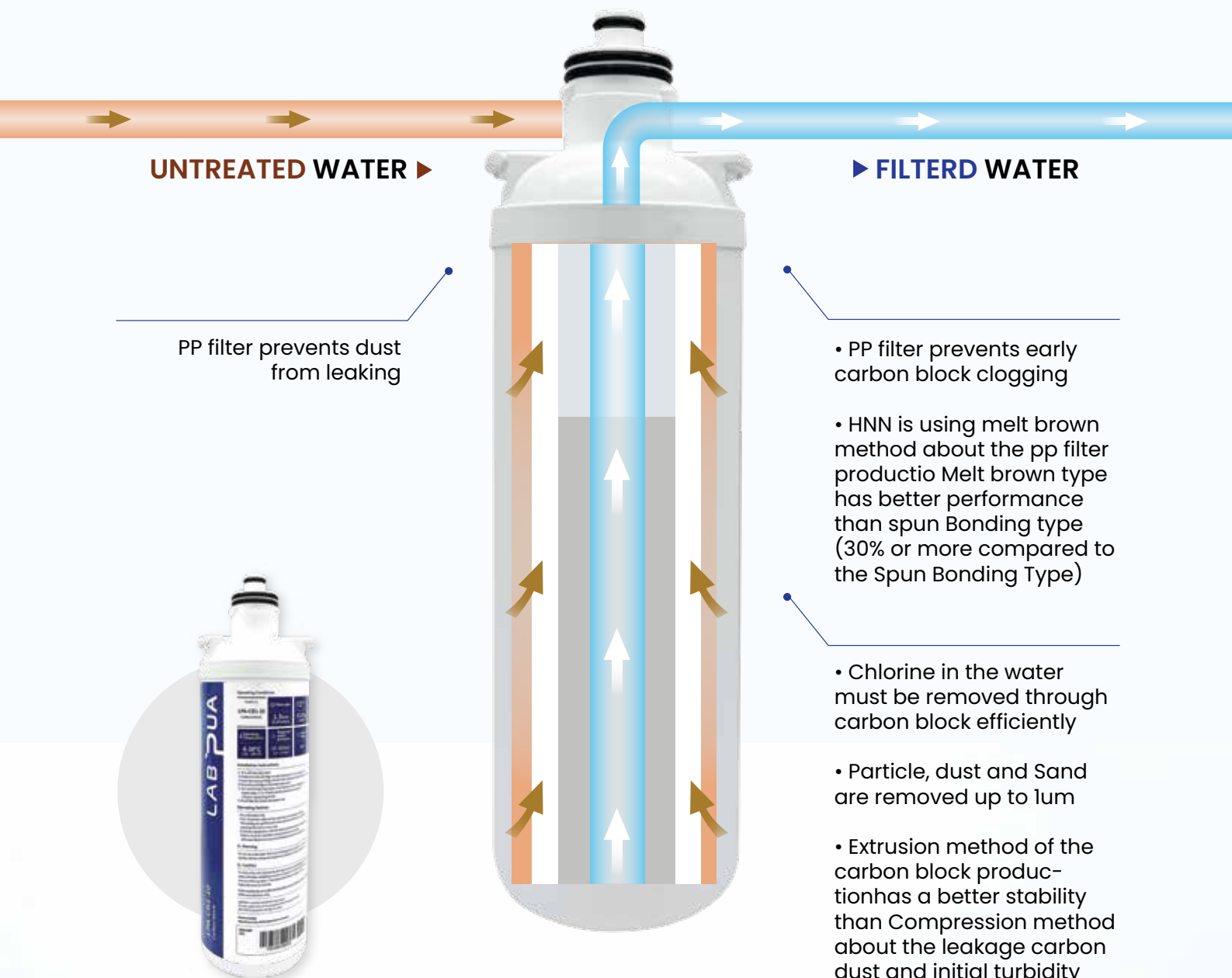




**LPA-CBI-10**

**Chlorine, Taste & Odor, Particle Reduction Filter**

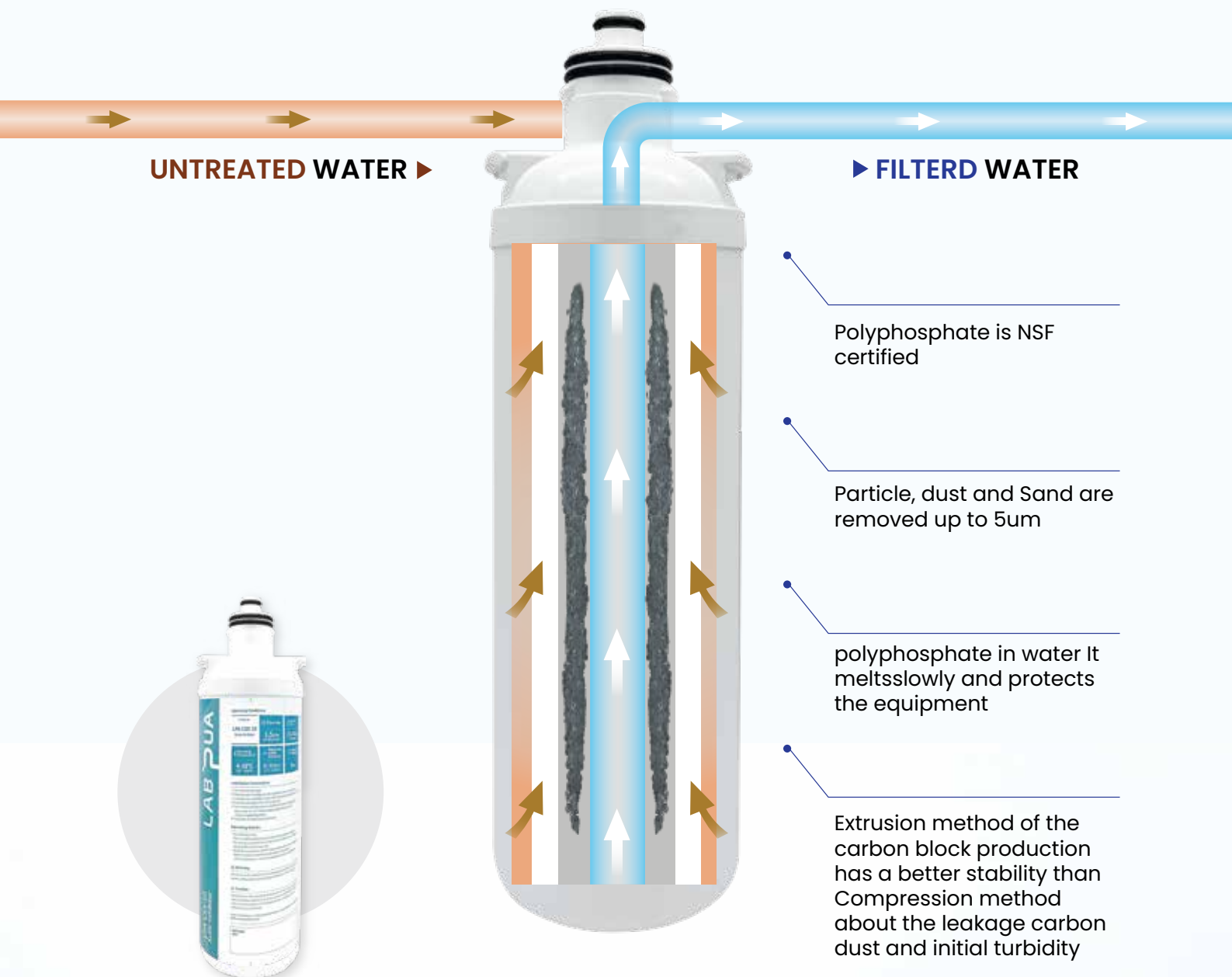
1 MICRON FULL CARBON BLOCK WITH SEDIMENT





LPA-CS5-10

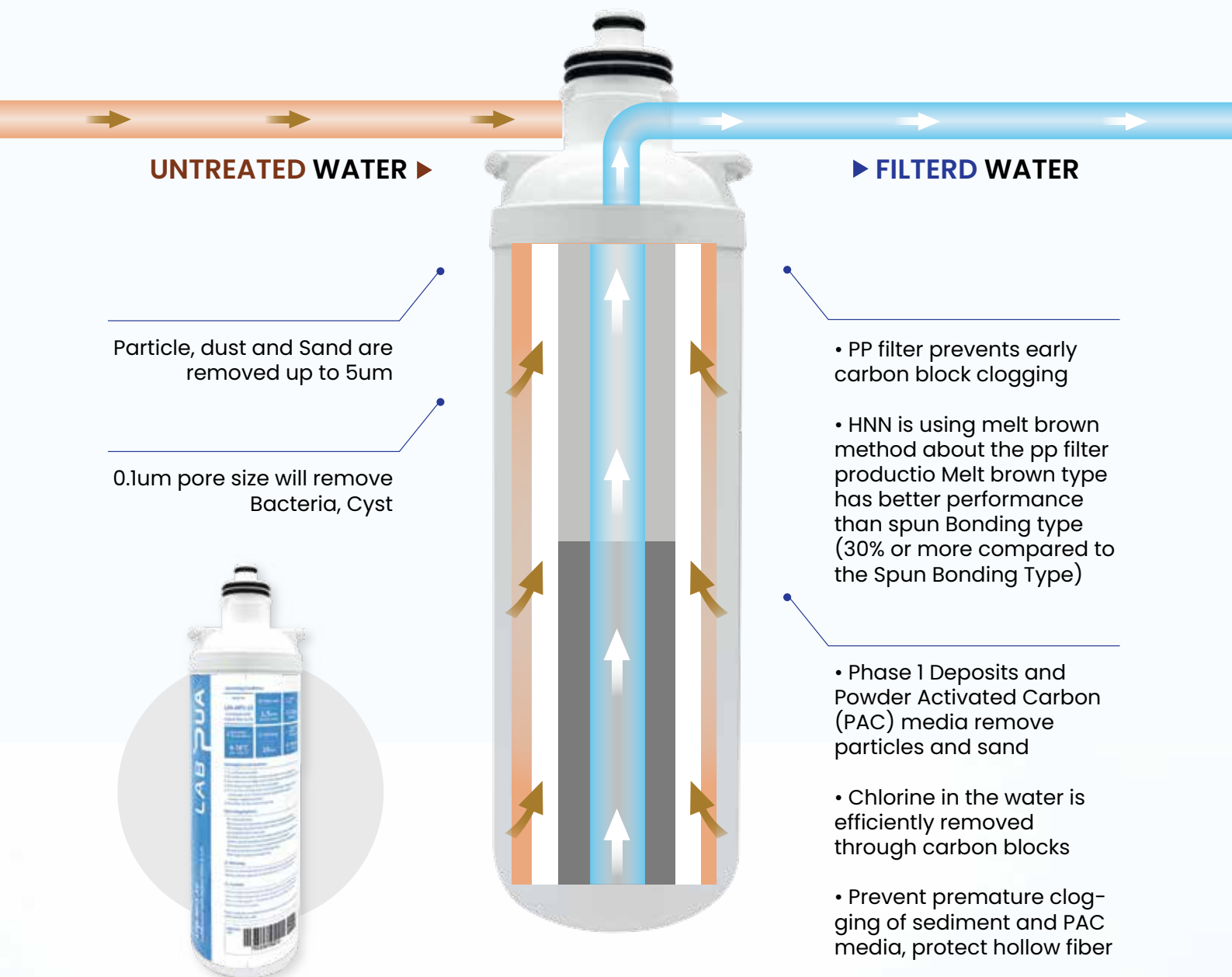
Chlorine, Taste & Odor, Particle Reduction and Scale Inhibitor  
5 MICRON / SCALE INHIBITOR



**LPA-MPI-10**

**Chlorine, Taste & Odor, Particle, Bacteria Reduction**

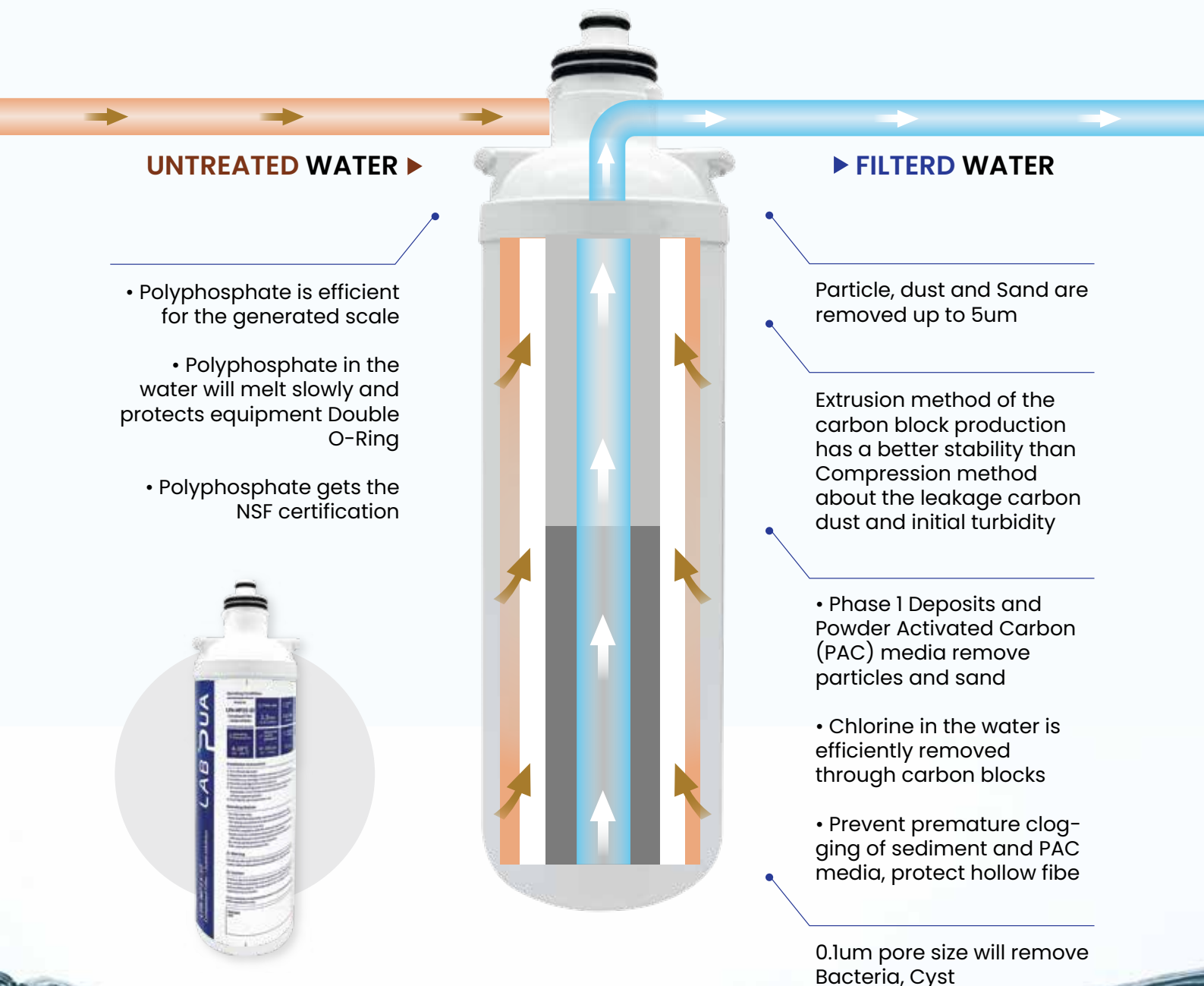
0.1 MICRON MEMBRANE/ SEDIMENT & GAC/ CARBON BLOCK



**LPA-MP!S-10**

**Chlorine, Taste & Odor, Particle, Bacteria Reduction**

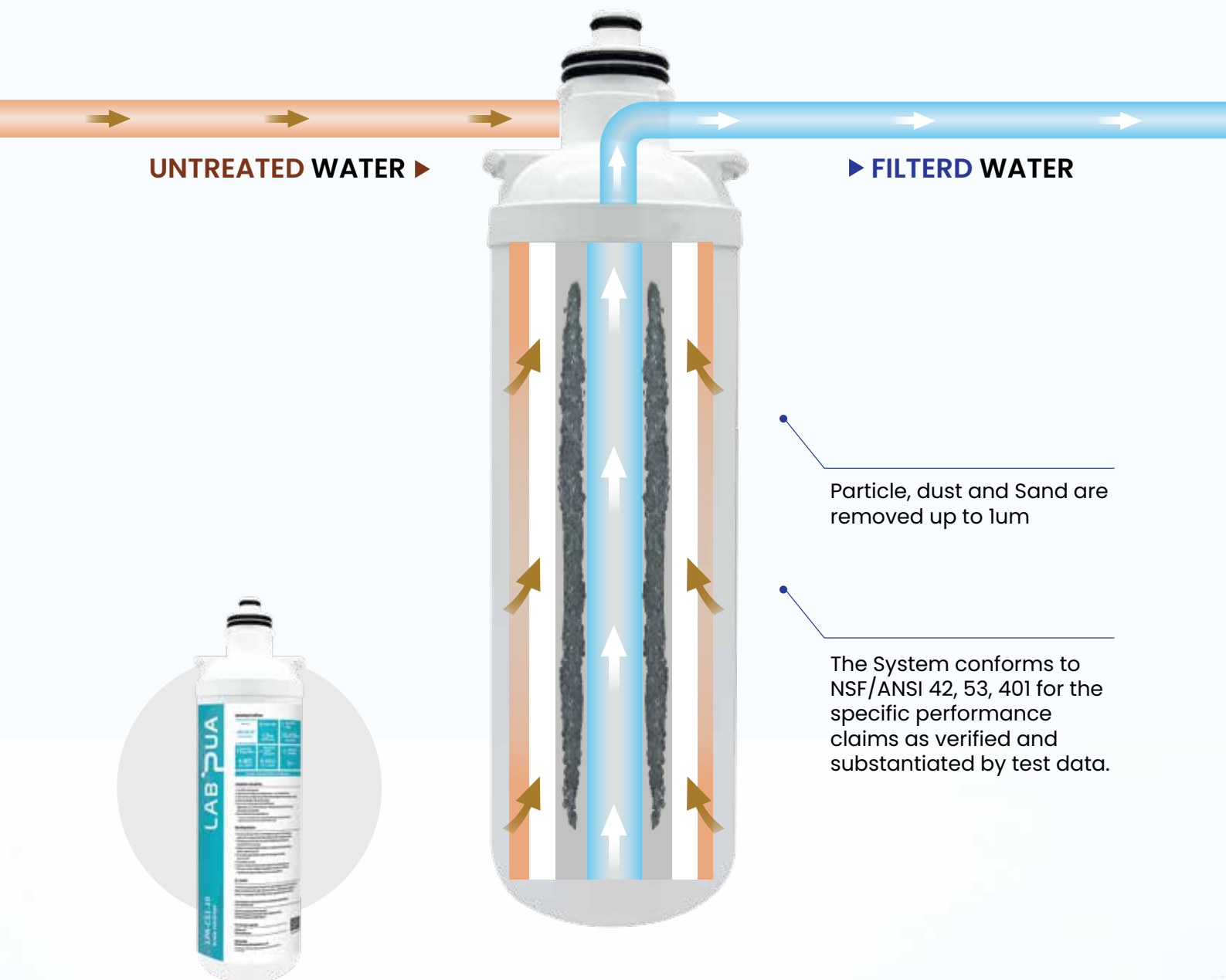
0.1 MICRON MEMBRANE/SEDIMENT & GAC/ CARBON BLOCK & POLYPHOSPHATE





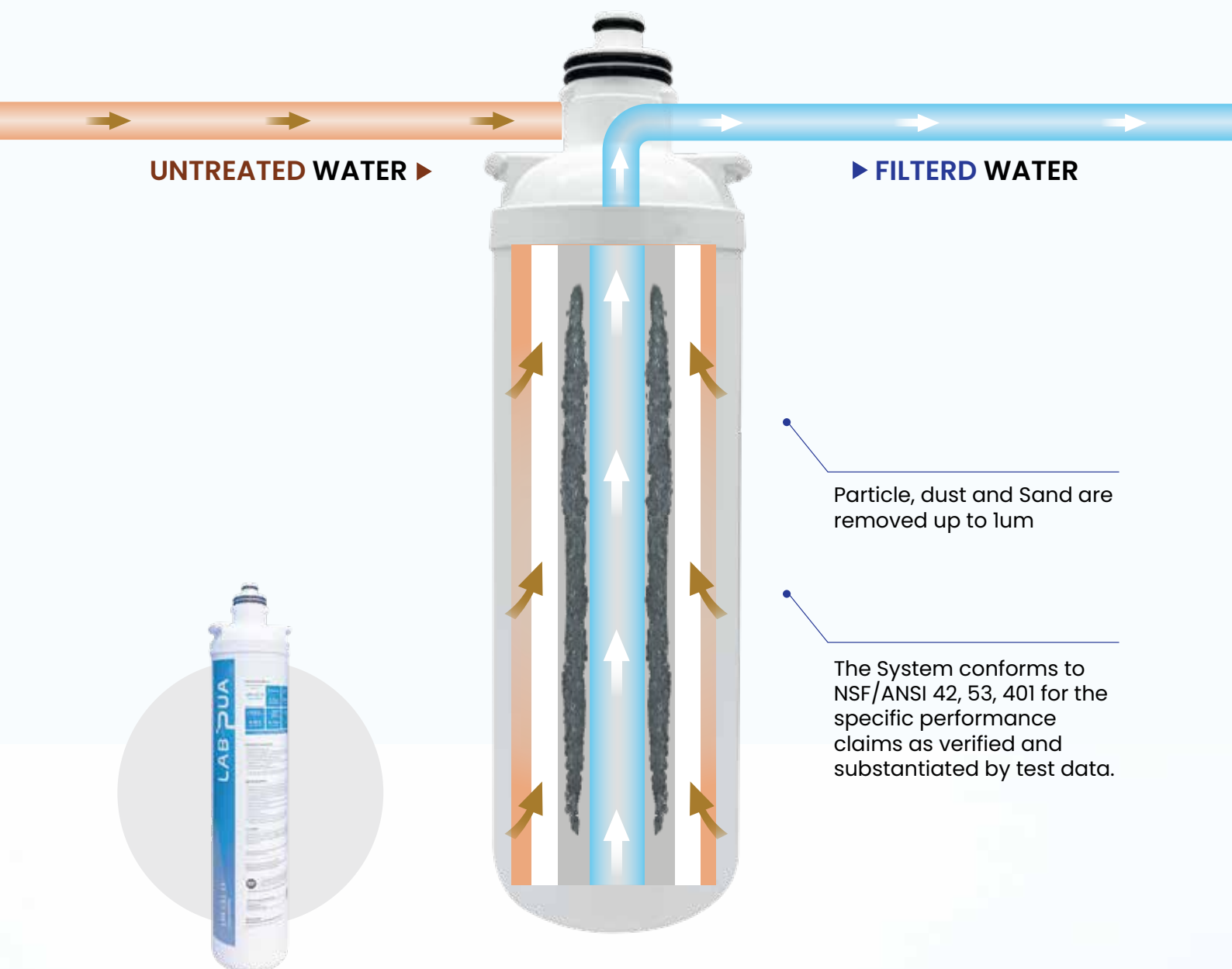
LPA-CS1-10

Chemical / Mechanical Reduction and Scale Inhibitor  
1 MICRON / SCALE INHIBITOR



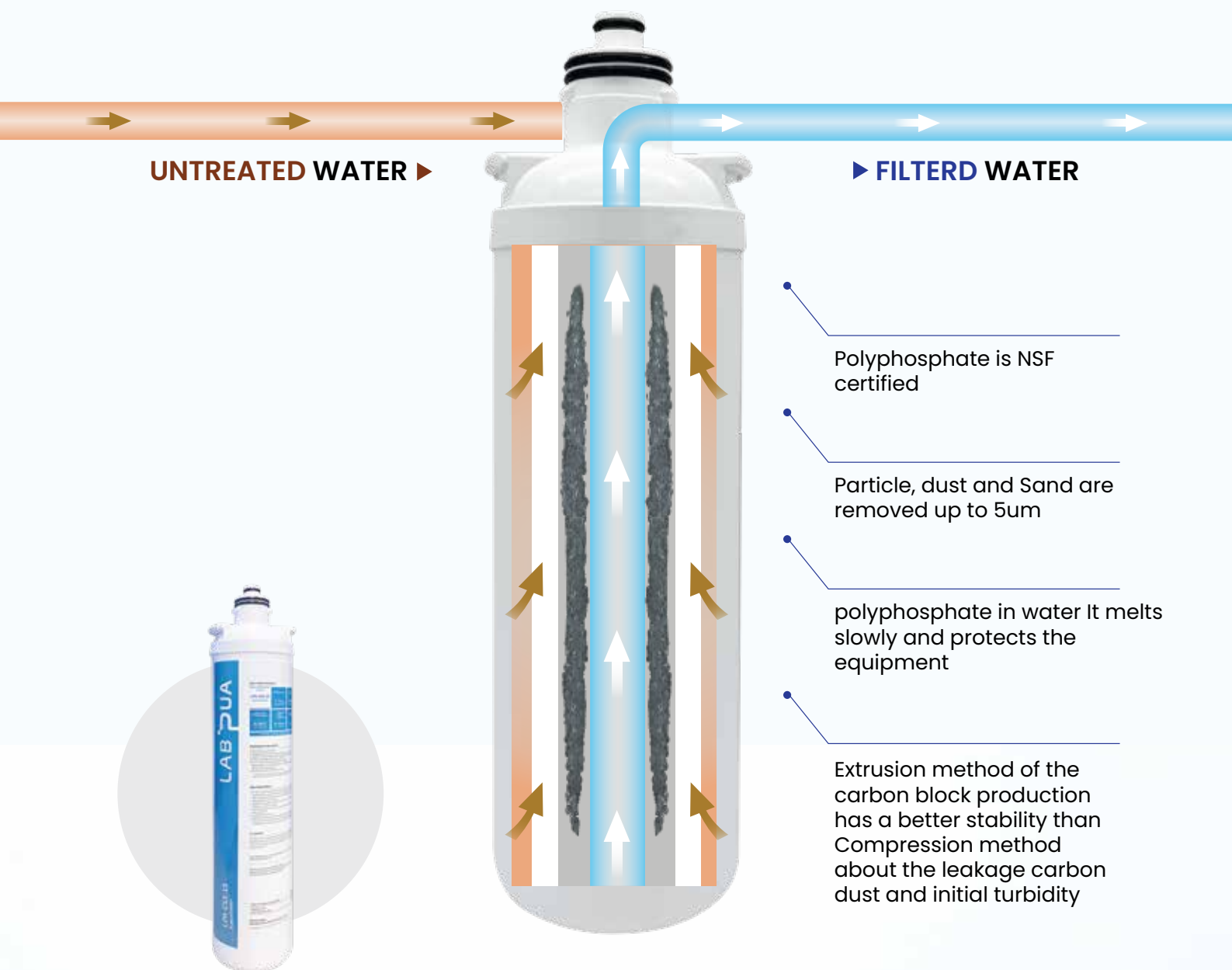
**LPA-CS1-15**

**Chemical / Mechanical Reduction and Scale Inhibitor**  
**1 MICRON / SCALE INHIBITOR**



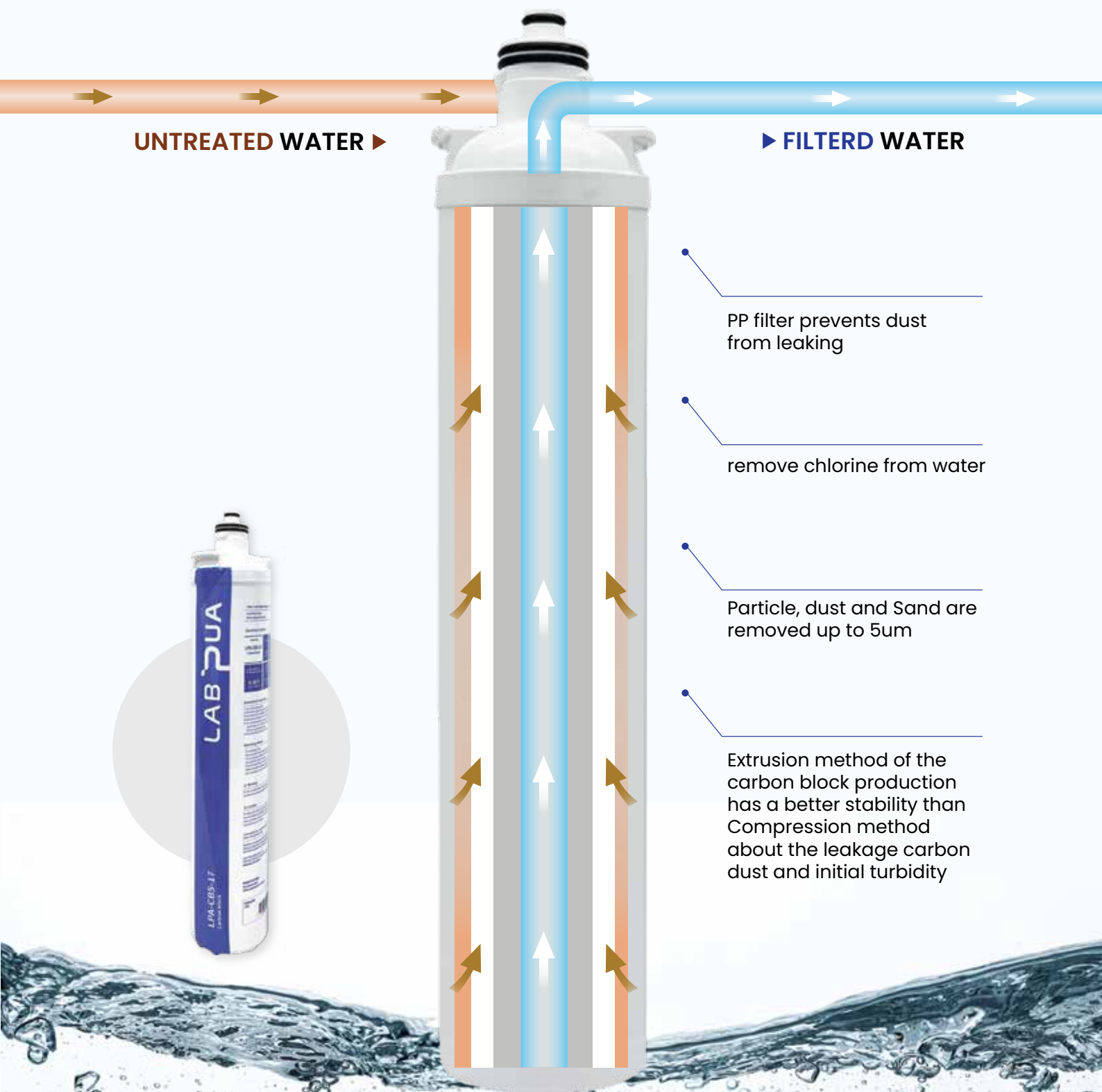
LPA-CS5-15

Chemical / Mechanical Reduction and Scale Inhibitor  
5 MICRON / SCALE INHIBITOR



**LPA-CB5-17**

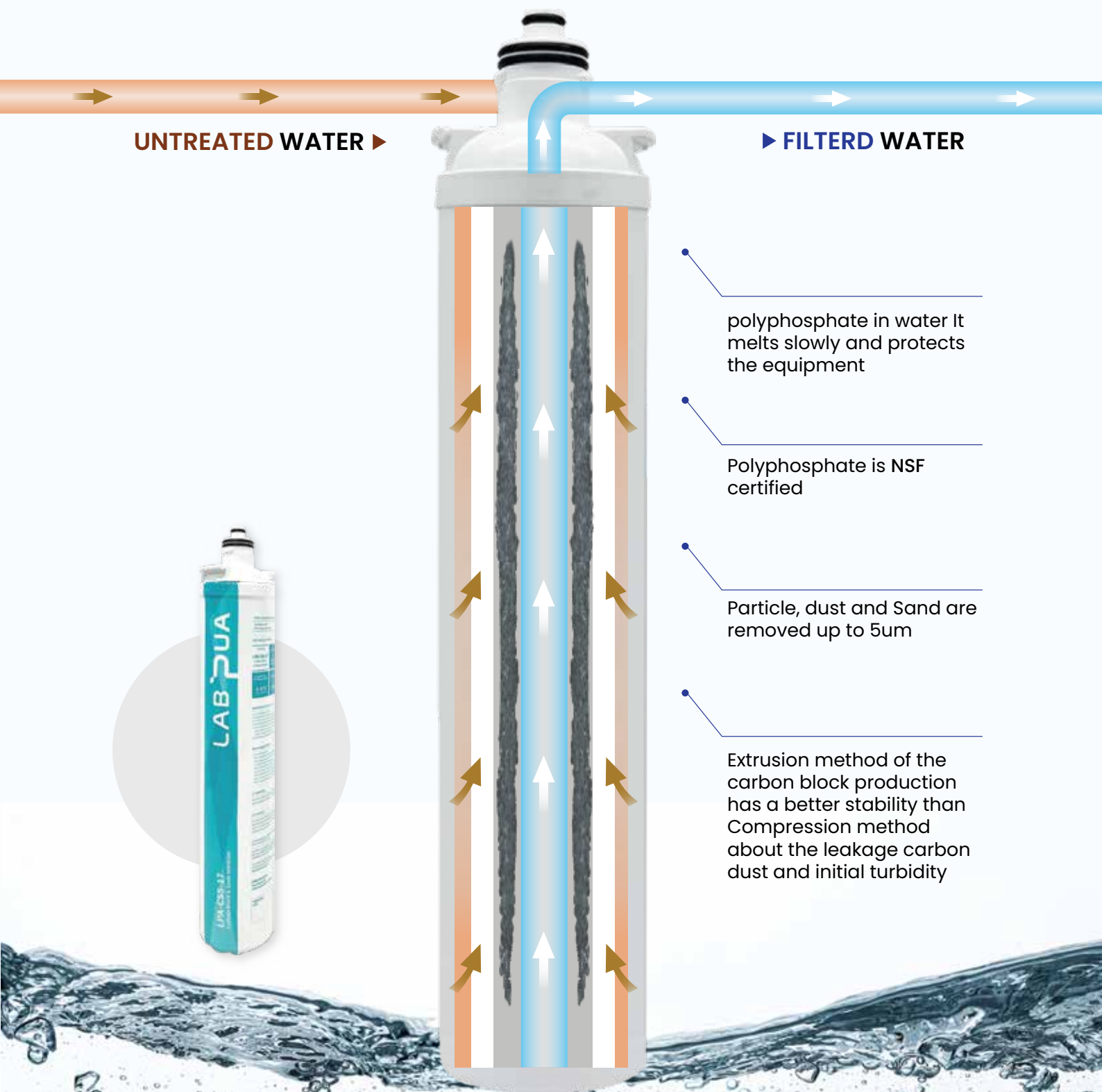
Chlorine, Taste & Odor, Particle Reduction Filter  
5 MICRON FULL CARBON BLOCK





**LPA-CS5-17**

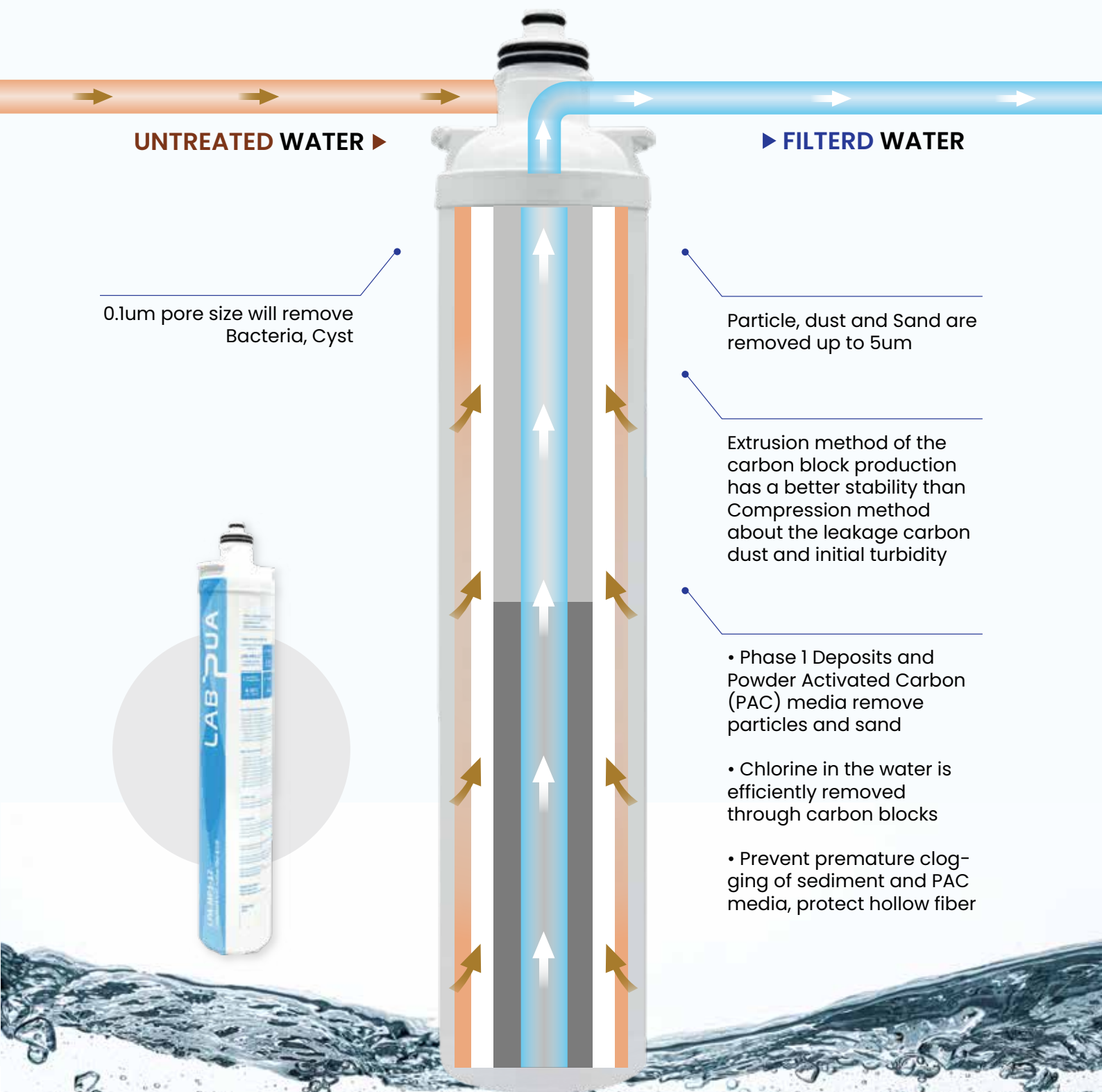
Chlorine, Taste & Odor, Particle Reduction and Scale Inhibitor  
5 MICRON / SCALE INHIBITOR





**LPA-MPI-17**

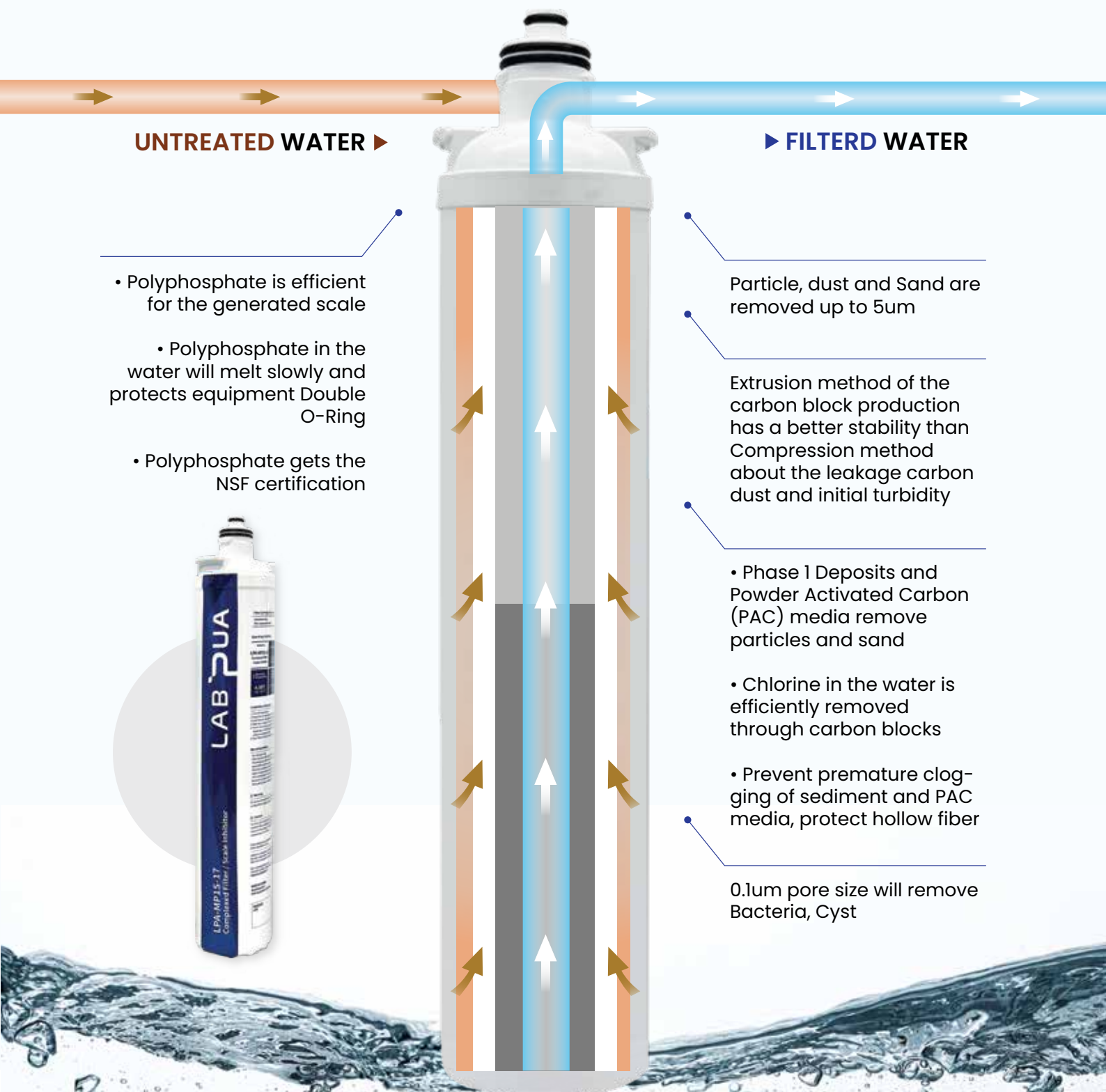
**Chlorine, Taste & Odor, Particle, Bacteria Reduction**  
0.1 MICRON MEMBRANE/ SEDIMENT & GAC/ CARBON BLOCK



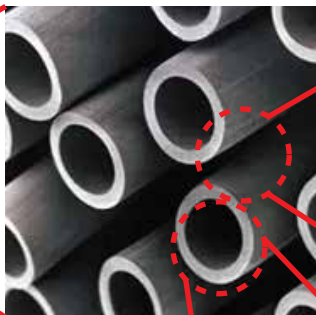
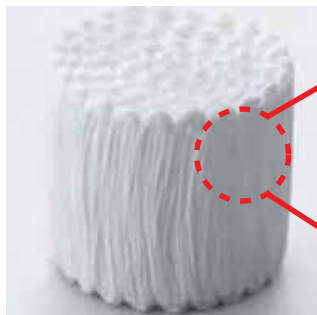
**LPA-MPIS-17**

**Chlorine, Taste & Odor, Particle, Bacteria Reduction**

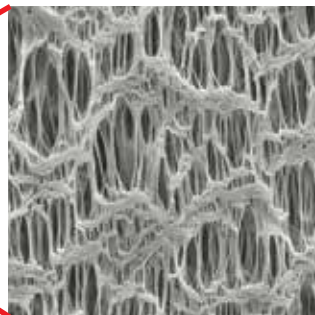
0.1 MICRON MEMBRANE/SEDIMENT & GAC/ CARBON BLOCK & POLYPHOSPHATE



**LPA-MP SERIES** Key Features of PE Membrane



hollow fiber membrane

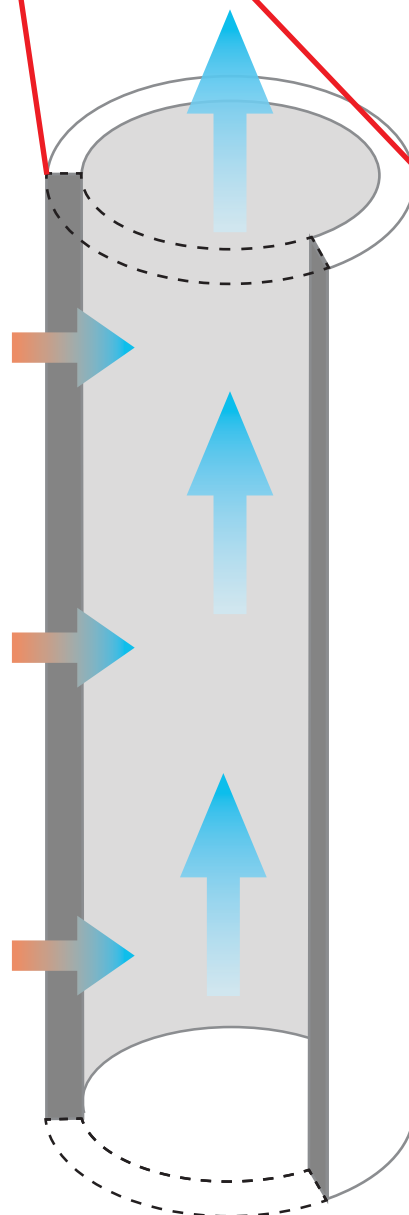


membrane outer surface micrograph

Solid/liquid phase separation on the surface of the membrane

Feed water

Filtered water



## Notes

LAB PUA care products are designed, manufactured and supported by Mexitrading Pty Ltd the name you can trust for viable and proven water solutions. The complete range of LAB PUA products are developed refined, made to meet and exceed stringent specifications for the worldwide market.

Important: Sales of products are subject to our Terms and Conditions which are available upon request. All specifications, information and photos are a guide only and are subject to change without notice.

Please ring to confirm details.

Warning: For correct operation of this appliance it is essential to observe manufacturer's instructions.

## Warranty

To make a claim under the warranty, take the product and proof of purchase to place where you purchased the product, and they will lodge a Warranty Request with LAB PUA

LAB PUA will pay your reasonable, direct expenses of claiming under this warranty. You may submit details and proof of your expense claim to place of purchase for consideration.

The warranty only applies if the product was used and/or installed in accordance with the user guide and/or installation instructions.

This warranty is given in lieu of all other express or implied warranties and manufacturer shall in no circumstance be held liable for damages consequential or otherwise or delays caused or faulty manufacturing except as excluded by law.

Applicable to all above, is that the Warranties need to be approved by LAB PUA to ensure product was not incorrectly used, installed or claimed. False and incorrect claims will be pursued at LAB PUA's discretion, including chargeable inspection and labour costs incurred.

## Warranty /Australia

This warranty is given by Mexitrading Pty Ltd, ABN 82 153 179 287  
Unit 17-18/61-71 Beauchamp Rd, Matraville NSW 2036

Email at [sales@labpua.com.au](mailto:sales@labpua.com.au) or Contact us ►





**LAB PUA HIGH FLOW COMPLETE**



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