

AVRO®

*Industrial-grade pre-filter
full-time protection*

▶ AVRO® Screen Filter DN80 Backwash Filter



Six major functional selling points

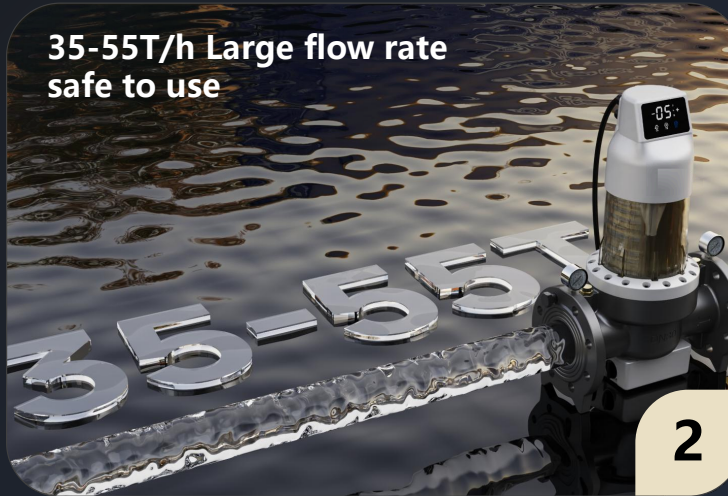
Leading the way in water purification

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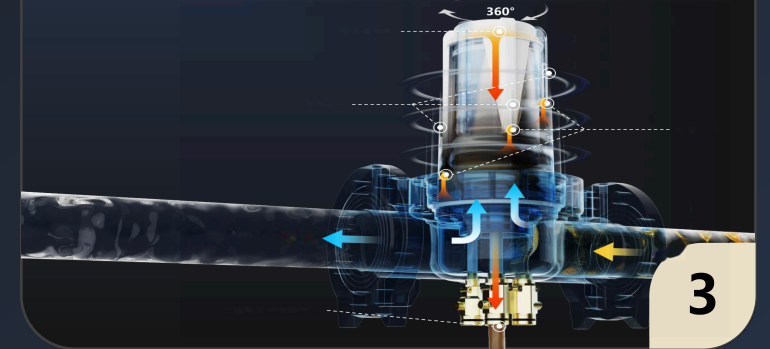
For the entire building, protect the first line of defense for water use



35-55T/h Large flow rate
safe to use



Patented full-effect discharge
technology
No need to change filter element



4

Nanny-style guarding
Intelligent and more secure



5

Transparent monitoring
Water pressure under control



6

Break through tradition
and upgrade materials



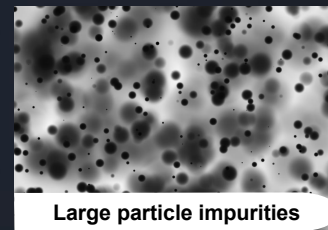
Purify the water in the entire building protect the first line of defense for water use

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Industrial pre-filters are designed for residential buildings and industrial equipment. As the first line of defense for water purification, they can effectively intercept silt, rust and various particulate impurities in the water. Filtering from the source not only protects water-related equipment from damage, but also extends its service life.



Sediment impurities



Large particle impurities



Insect and Insect eggs



Water pipe rust

"Hidden dangers" in tap water: sand impurities, insect bodies and eggs, large particles, rust on water pipes

35-55T/h large flow rate, safe to use

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Large water output ensures a stable water source even under high flow demand. It is suitable for commercial large-flow filtration, electromechanical circulating water equipment, large-scale water system treatment, school community main filtration, villa self-built water pump tower, guesthouse/hotel filtration, etc.

**Commercial high
flow filtration**



**Mechanical and
electrical circulating
water equipment**



**Large water system
treatment**



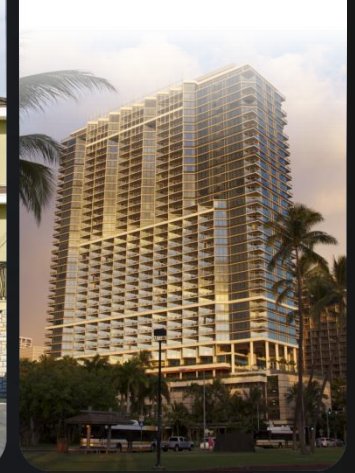
**School Community
Manager Filter**



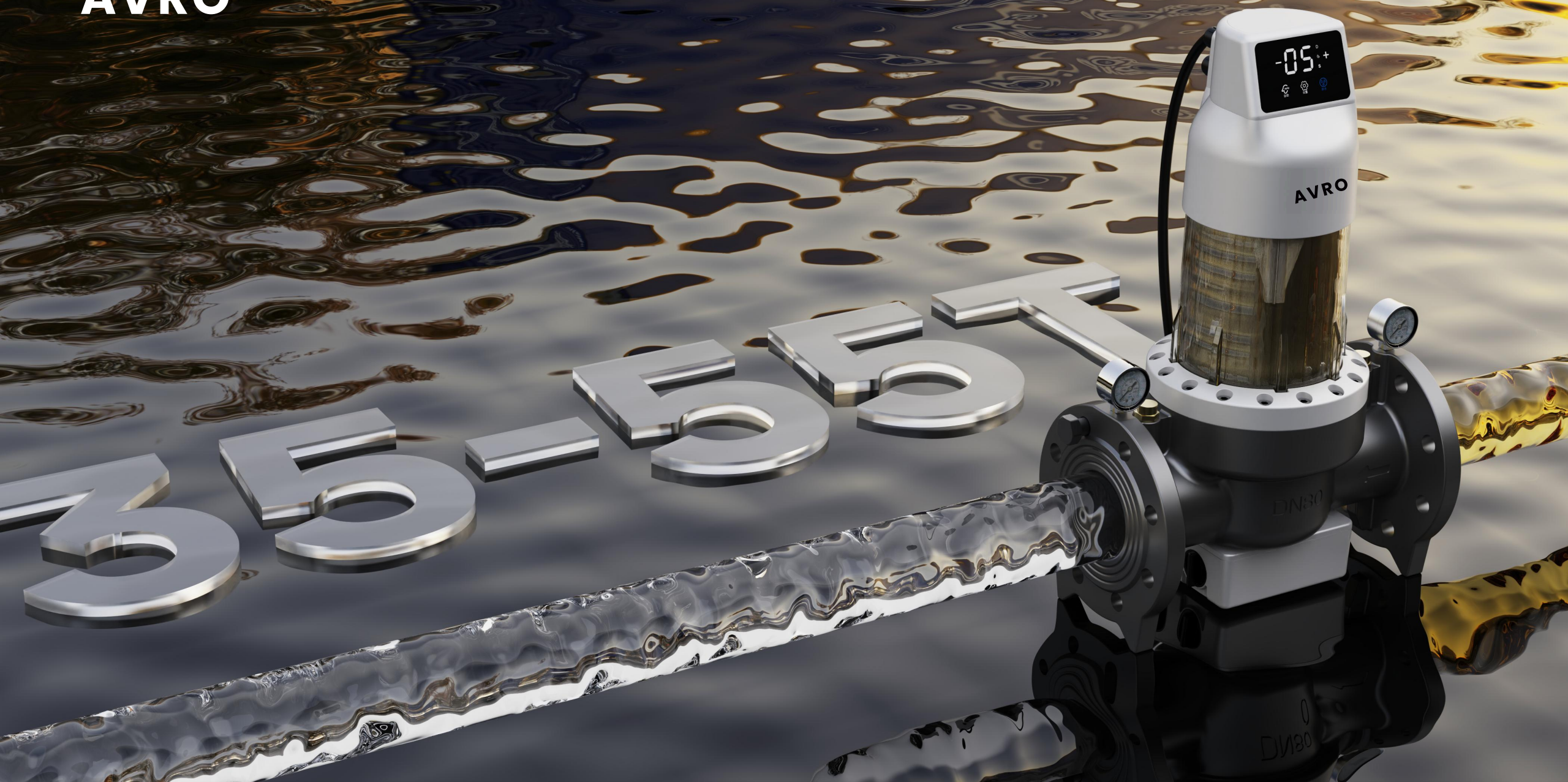
**Self-built water
pump water tower**



Hotel Filter



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Patented full-effect discharge technology no need to change the filter element for life

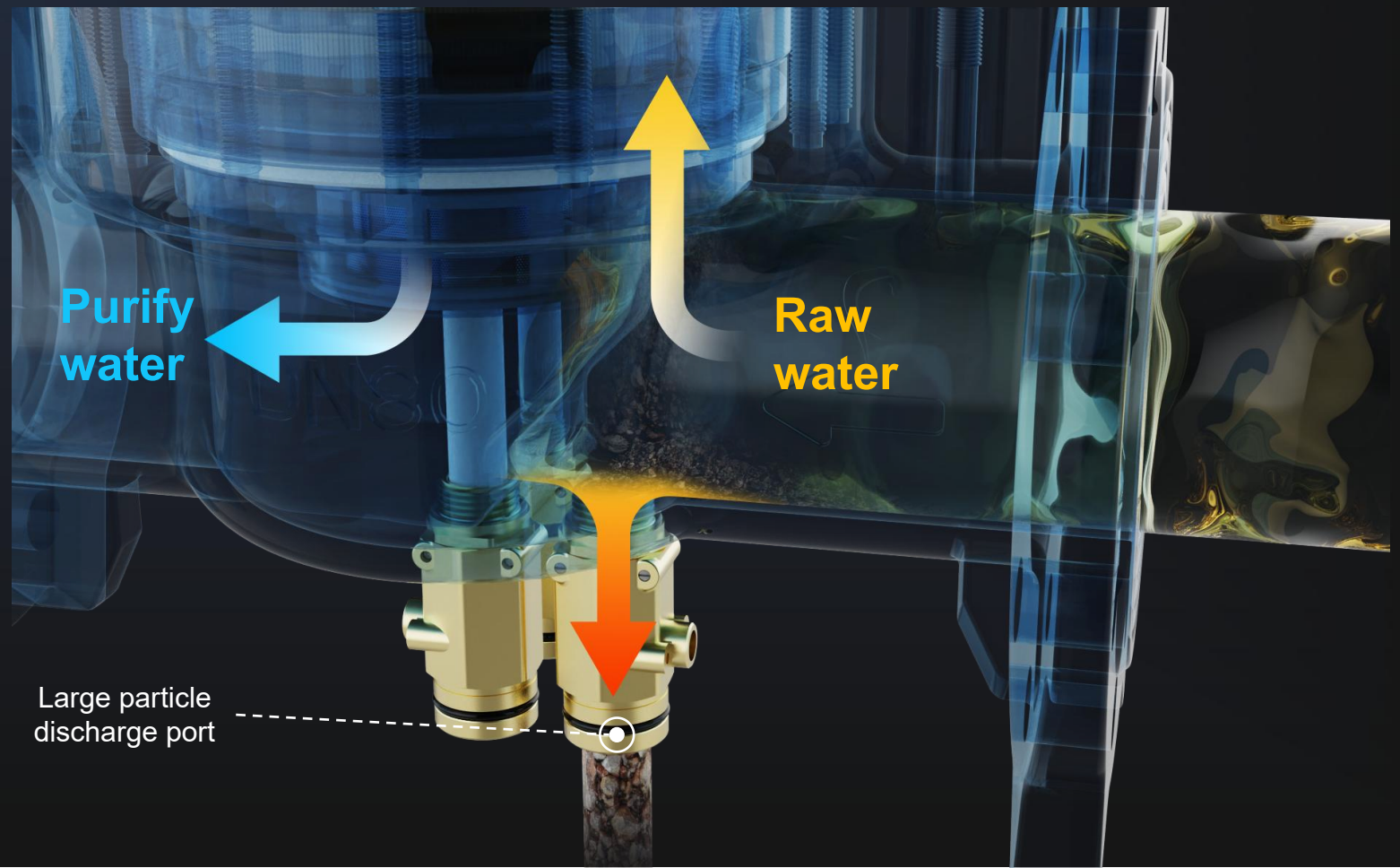
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The equipment has three drain outlets, namely the large particle drain outlet, the filter element siphon water purification backwash drain outlet, and the backwash water purification filter drain outlet, which can discharge solids in a full-effect manner and more thoroughly.

01

Large particle discharge

Open the large particle impurity discharge port to achieve the first large particle discharge.

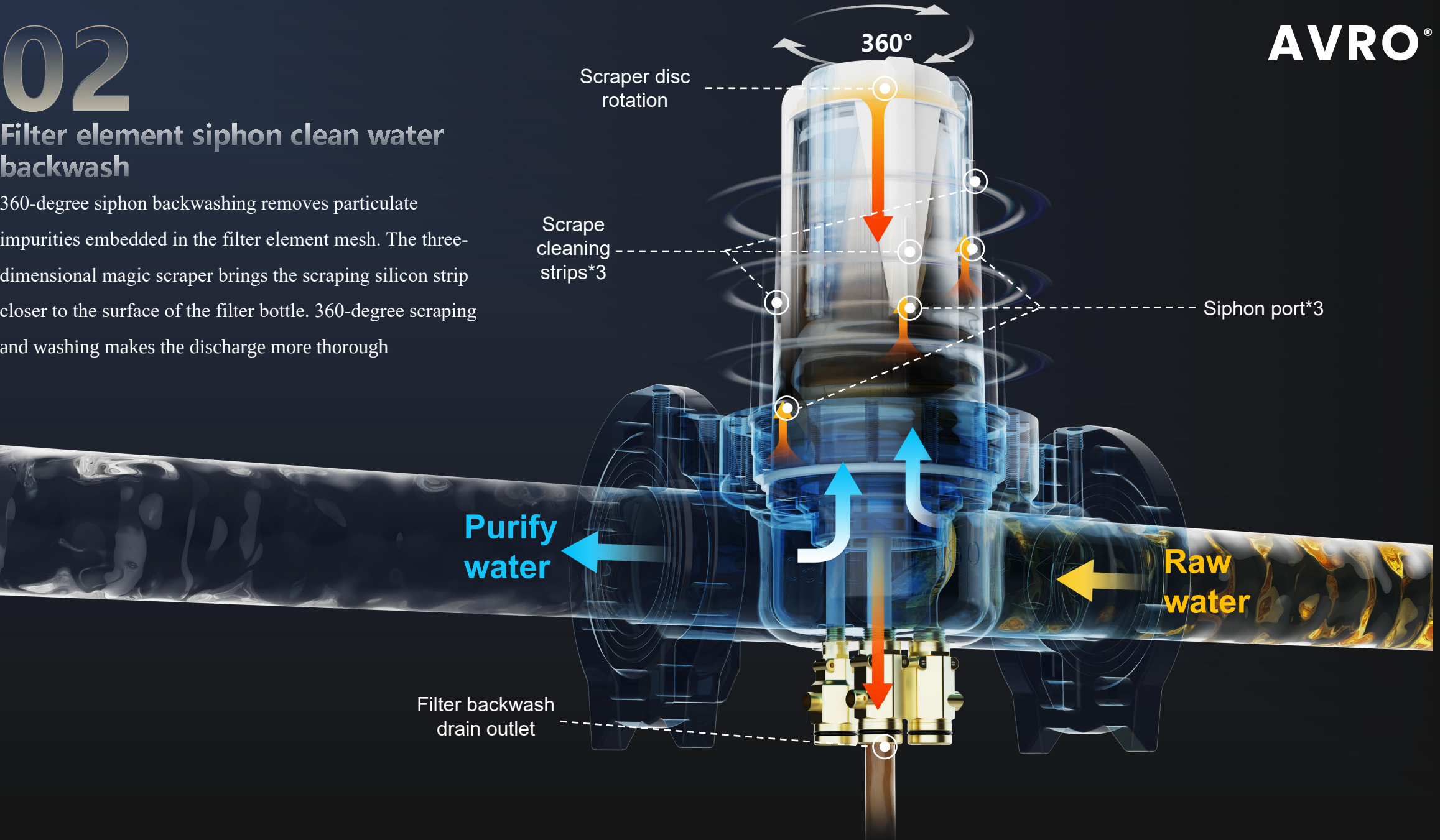


02

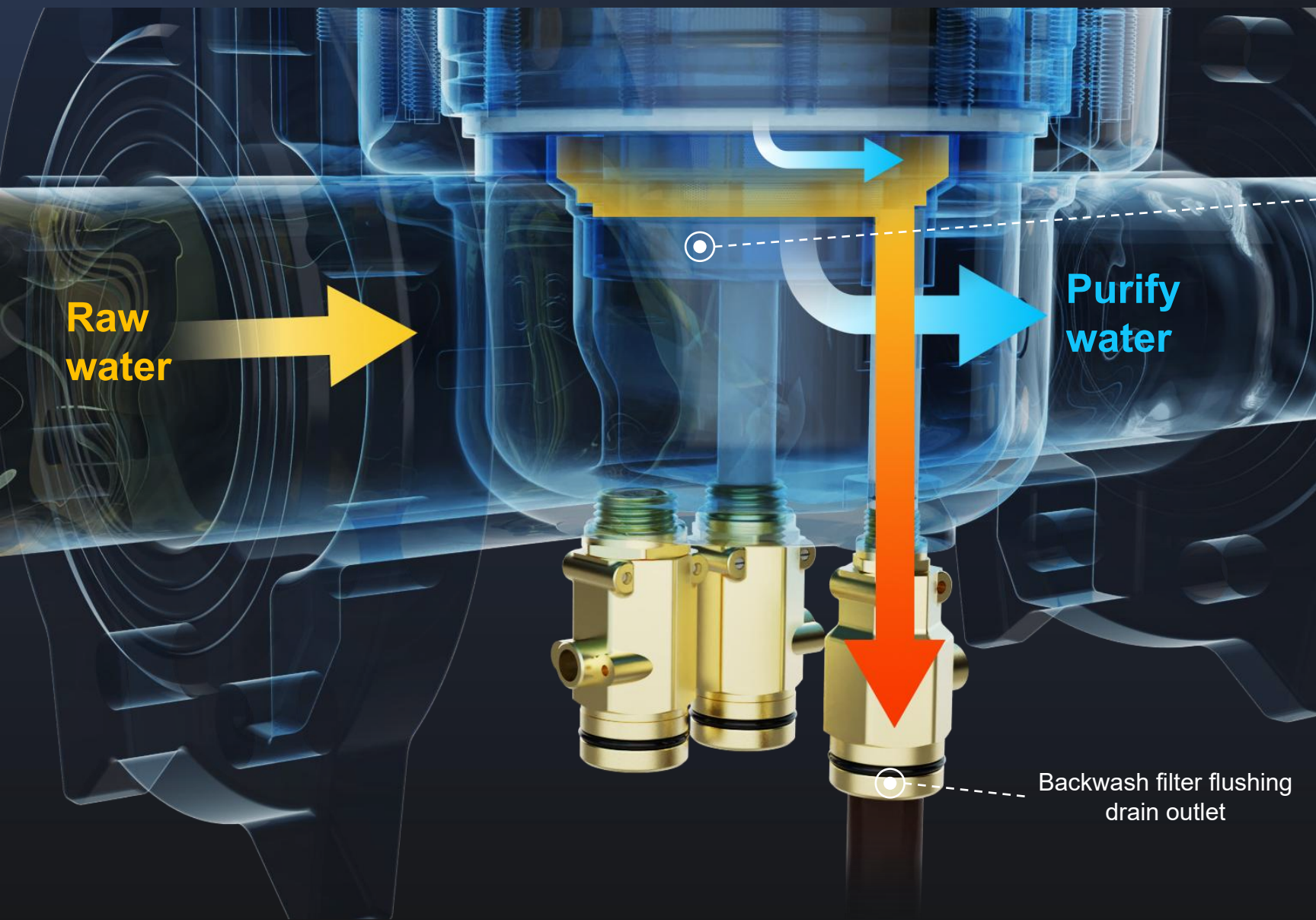
Filter element siphon clean water backwash

360-degree siphon backwashing removes particulate impurities embedded in the filter element mesh. The three-dimensional magic scraper brings the scraping silicon strip closer to the surface of the filter bottle. 360-degree scraping and washing makes the discharge more thorough

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Backwash filter

Purify
water

Backwash filter flushing
drain outlet

03

Backwashing water filter

Change the clean water flow path to achieve backwashing of the clean water filter and its discharge.

SS316 stainless steel filter

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Filter mesh

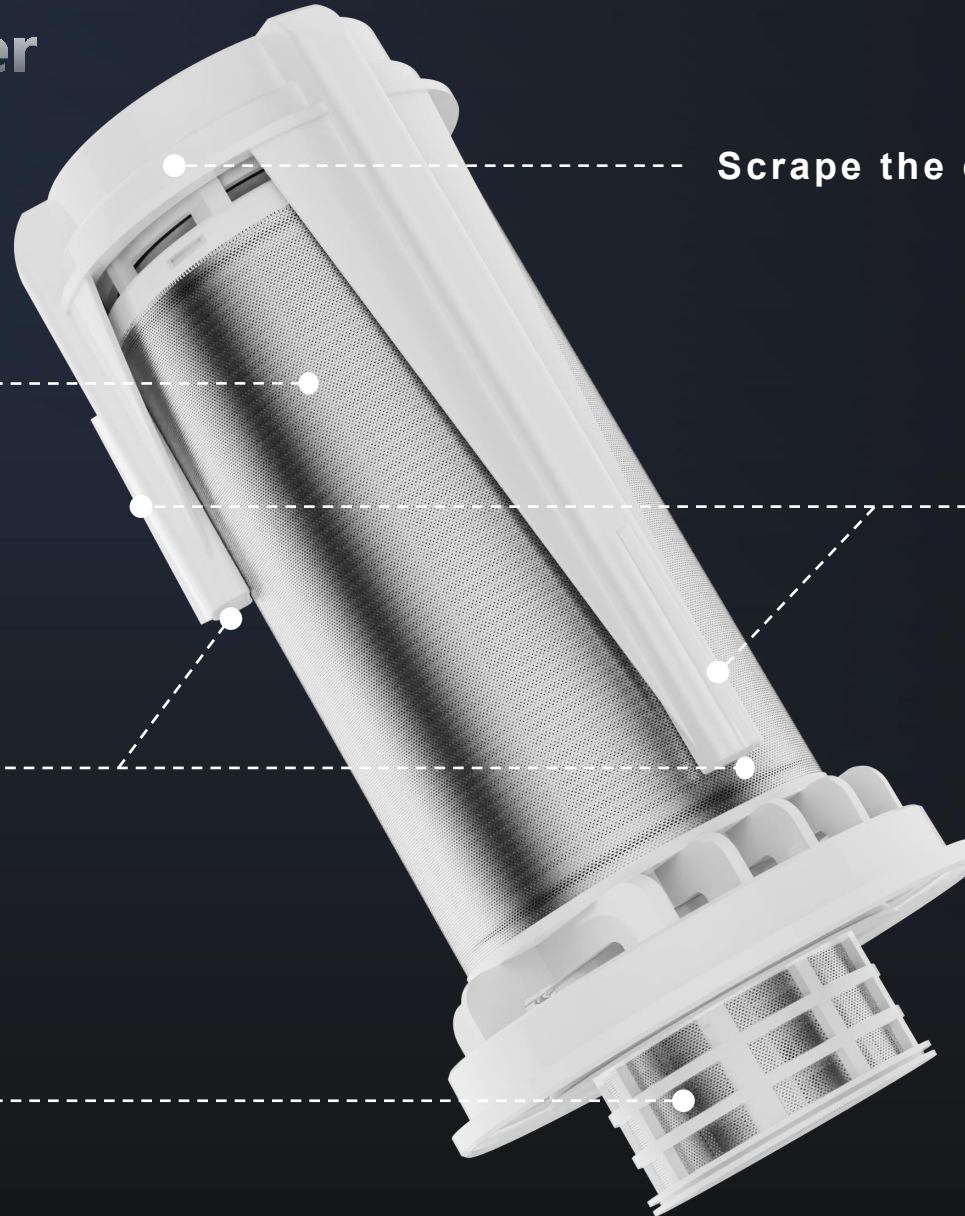
Made of SS316 stainless steel mesh, it is not only corrosion-resistant and high-temperature resistant, but can also be repeatedly cleaned without deformation, ensuring long-term and stable filtering effects. It is durable and requires no core replacement for life.

Siphon port*3

Backwash filter mesh

Scrape the dish

Filter bottle
scraper*3



Nanny-style guarding, smart and more secure

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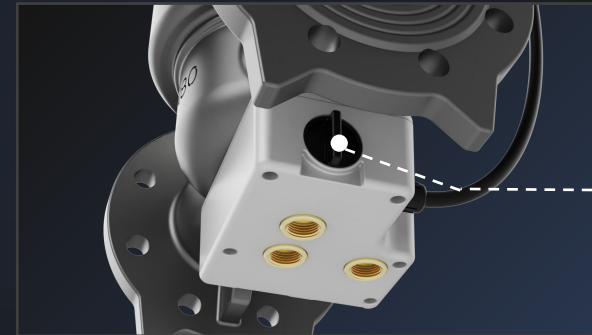
The luxurious intelligent integrated straight-screen touch-controlled automatic flushing system can set the automatic flushing time and days according to the water quality, realizing a fully automatic, nanny-style discharge method. It can be upgraded and configured to automatically discharge and clean the filter according to the pressure sense of the product. It is equipped with a manual and automatic integrated drain ball valve, manual and automatic switching, and the components are completely separated.

Automatic backwash
discharge

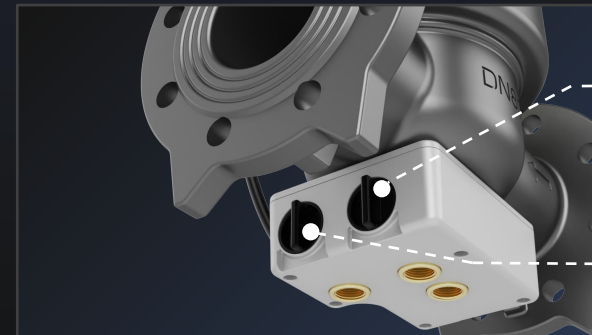
Straight-screen touch control
automatic flushing system



Manual
backwash



① Large particle discharge



② Filter backwash and
discharge

③ Backwash filter to flush
and drain

Transparent monitoring, water pressure under control

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Equipped with a precision pressure gauge, it can detect water pressure in real time and understand the water pressure status. It is convenient and intuitive, making it safer to use.



Break through tradition and upgrade materials

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The components adopt innovative cast steel structure design, with high quality material, high strength and toughness to withstand large loads and impacts, achieving a qualitative leap in durability and compressive strength. This structural upgrade brings longer service life and higher stability to the equipment.



Technology certification, security upgrade

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All water-contact materials of this series of products have been tested by international authoritative organizations such as SGS and NSF, and have passed the tests of the National Center for Disease Control and Prevention to obtain health permits. We have won the recognition and trust of thousands of customers with our high-quality products, leading technology and attentive service.



Product Parameters

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Filtration method: pure physical filtration

Filter aperture (stainless steel filter): 40µm/100µm/200µm/300µm/400µm/500µm

Dimensions: 344*200*542mm

Installation method: horizontal installation, filter bottle facing up

Operating temperature: 5°C-38°C

Rated pressure: PN16

Clean water flow: 35-55m³/h

Connector size: DN65 DN80 DN100 DN125 DN150

