

STAINLESS STEEL AUTOMATIC ULTRA-FILTRATION SYSTEM

High-Flow Smart Backwash Filtration System

Key Features

- Intelligent digital automatic control valve for fully automatic forward and reverse washing cycles
- 304 food-grade stainless steel housing — durable, corrosion-resistant, and easy to maintain
- Hollow fiber PVDF membrane for superior micro-filtration performance and chemical stability
- 0.01-micron precision effectively removes suspended solids, rust, colloids, and bacteria

Key Applications

- Household water purification
- Villas and residential complexes
- Restaurants and hotels
- Factory and industrial water
- Store and commercial water supply



Product Type

Automatic high-flow ultrafiltration system featuring a hollow fiber PVDF membrane and stainless-steel body. Designed for superior removal of fine particles and microorganisms while maintaining high flow and minimal pressure loss. Automatic backwash cycles ensure long membrane life and consistent performance.

Typical Properties

Parameter	Specification
System Type	Automatic Ultrafiltration System
Filtration Material	Hollow Fiber PVDF Membrane
Filtration Precision	0.01 Micron
Housing Material	304 Food-Grade Stainless Steel
Control Valve	Intelligent Digital Valve (Auto Forward/Reverse Wash)
Operating Pressure	0.1 – 0.6 MPa
Operating Temperature	5 – 45 °C
Power Supply	220 V / 50–60 Hz
Inlet / Outlet Size	1" BSP
Flow Capacity	4.5 m³/h
Membrane Lifespan	2 – 5 Years (depends on feed water quality)

System Benefits

1. Provides consistent clean water with high filtration precision.
2. Fully automatic operation — minimal maintenance required.
3. Long service life of membrane and components.
4. Durable 304 SS body suitable for high-pressure applications.
5. Smart monitoring system improves reliability and user convenience.
6. Ideal for both domestic and light commercial use.

Notes

1. Ensure proper inlet/outlet alignment before powering on.
2. Perform periodic automatic or manual backwash as required.
3. Do not use with microbiologically unsafe or hot water.
4. Specifications are subject to change without notice as part of product improvement policy.

System Dimensions

Model	Material	Membrane Type	Product Dimensions (L × W × H)	Flow Rate	Valve Type
UF-1154	304 Stainless Steel	Hollow Fiber PVDF Membrane	208 × 168 × 1290 mm	4.5 m³/h	Automatic Digital Control Valve

All dimensions are nominal; tolerance ±1 mm (±0.04"). Compatible with standard filter housings.



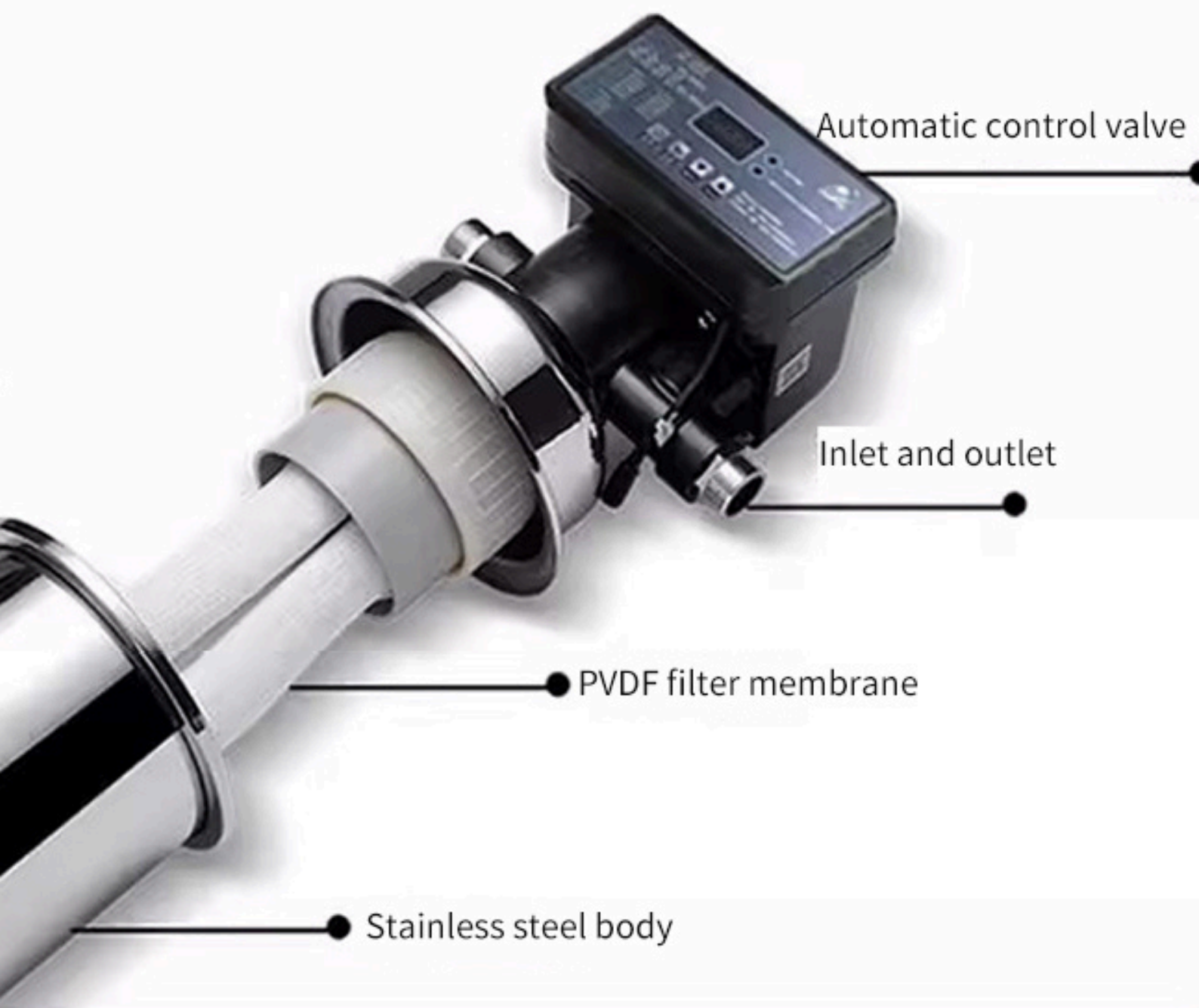


304

**FOOD GRADE
STAINLESS STEEL**



Automatic high-flow ultrafiltration machine



INTELLIGENT DIGITAL DISPLAY SCREEN

The intelligent operation automatic control valve can achieve the
automatic forward and reverse washing function



HIGH TRAFFIC VOLUME MEETS VARIOUS SCENARIOS

Store water



Household water



Water for the villa



Factory water



Water supply
for the residential
area

