

High-Efficiency Automatic Backwash Disk Prefilter

User Manual

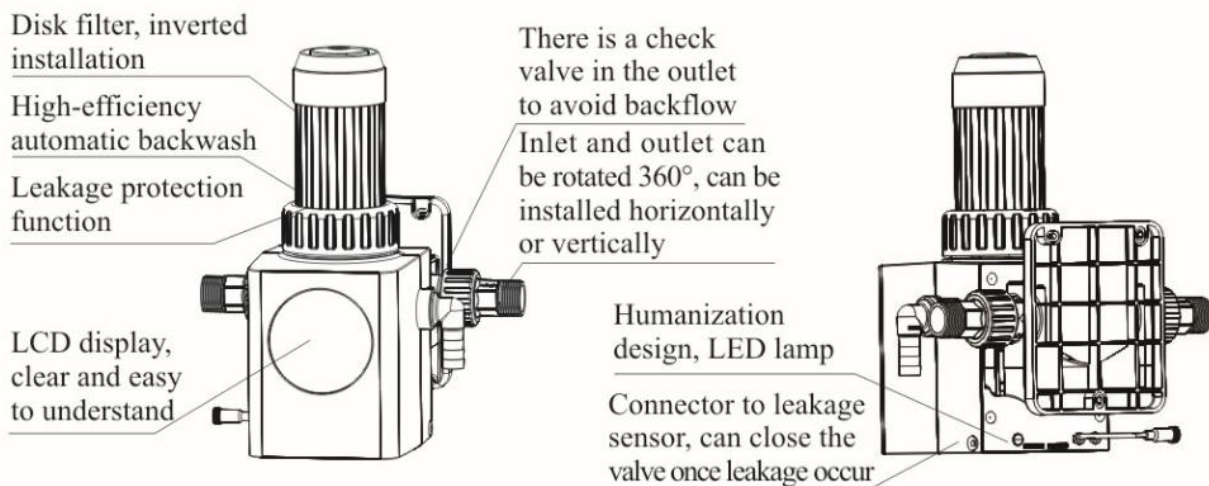
0WRX.466.740

Rev.A.2008

1. Main Application

Used for filtering municipal water treatment. It belongs to coarse filtration. Can filter PM larger than 0.05mm, for protecting the back water equipment.

2. Product Characteristics



3. Technical Parameters

Model	Nominal Size	Rated Water Flow Rate	Filtration Precision	Remark
RL-Q02	DN25	2.5 m ³ /h	50μm	Appearance B

Operating Conditions:

Working Pressure: 0.1~0.6MPa

Working Water Temperature: 5~30℃



Environment Temperature: 4~40℃

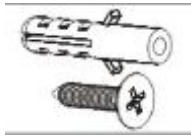






Relative Humidity: ≤95% (25℃)

Power Adapter: Input AC100~240V/50~60Hz, output DC12V.

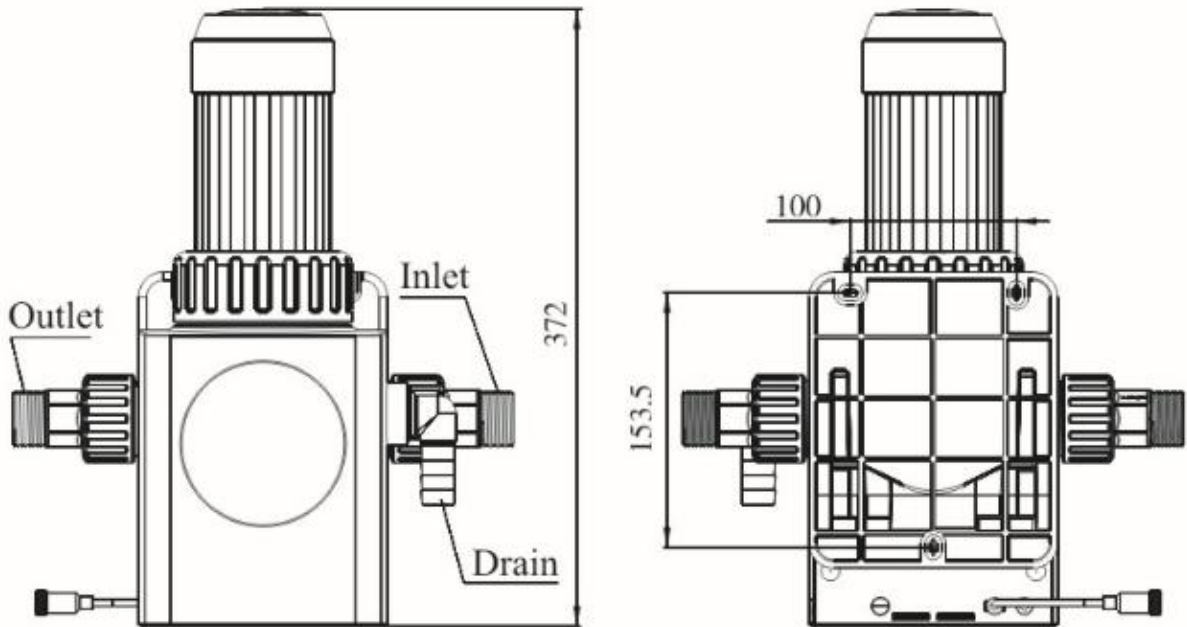
4. Check the Spare Parts

When unpacking the product, please check below spare parts.

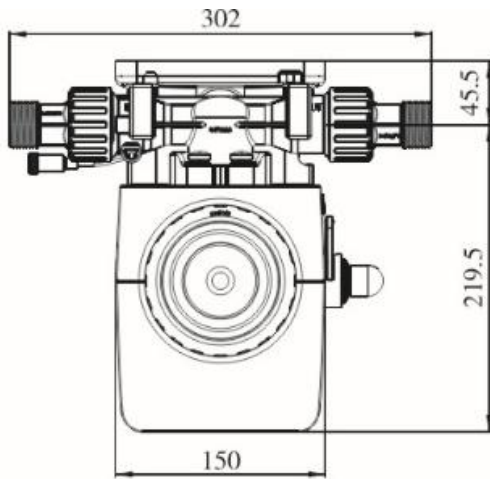
No.	Description & Specification	Quantity	Remark
1	Prefilter	1	
2	Fixed Seat	1	

3	Expand Screw	3	
4	Seal Ring	2	
5	Soft Pipeline	1	
6	Clamp	2	
7	Connector	1	
8	Transformer	1	
9	Leakage Sensor (optional)	1	

5. Product Appearance and Installation Dimensions



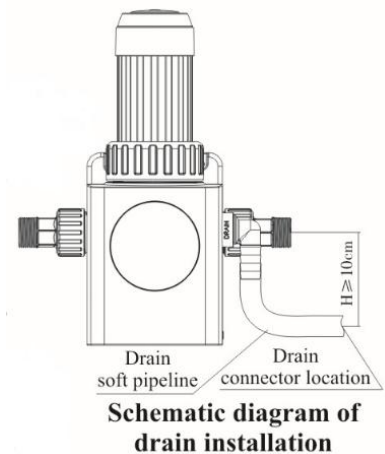
(Inlet and outlet can be rotated 360°, can be installed vertically.)



Inlet/Outlet: G1M Drain: $\phi 20$

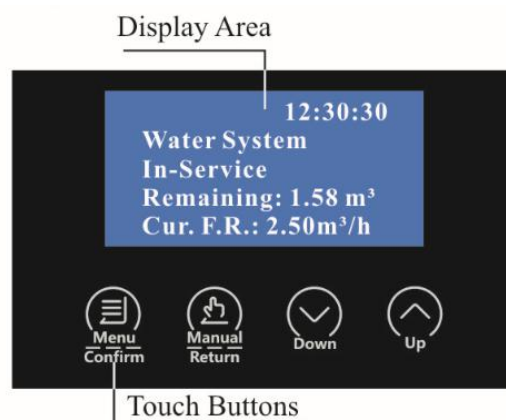
6. Installation Notes

1. Installation conditions should conform to the requirements of the product work environment.
2. It should be installed behind water meter, but in front of other equipment.
3. It should stay away from hydrops, no exposure to rain or sunlight.
4. If pipeline pressure changes suddenly, please install regulator valve.
5. The installation position of drain should be lower than product's position. (Figure at right).
6. The distance between installation location and power socket should be shorter than power line.
7. Please avoid subsurface pipe when drilling during the installation of screw.
8. If you have any questions, please feel free to contact our after-sales service or professionals.

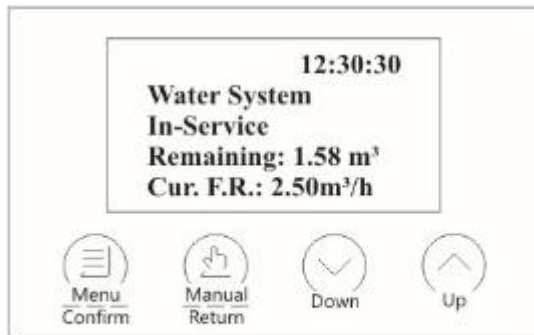


7. Installation Steps

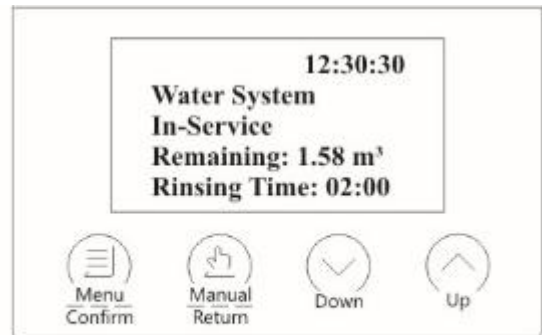
7.1 Display



7.2 Description of Each Interface

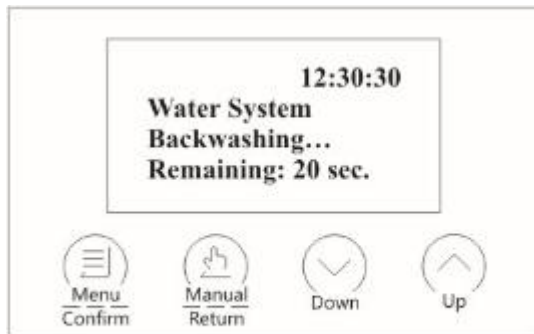


A



B

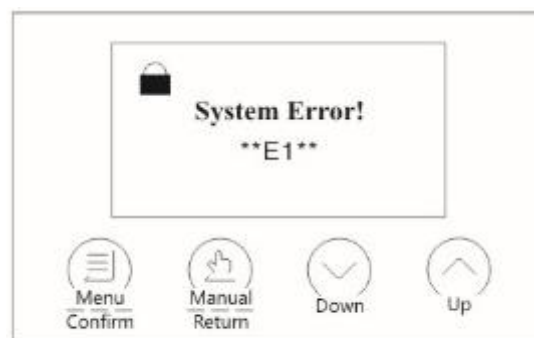
In service status, A and B interface cycle display.



Rinse Status



Buttons Locked Status



System Error Status

3. Parameter Setting

The prefilter parameter settings of this model are divided into:

1). Parameter setting. 2). Protection parameter settings. Among them, the water leakage protection parameter setting can be set according to the actual situation of the user, and the function can be turned off if not necessary.

3.1 Set Basic Parameter

a. Set Time of Day

Press the  button under the unlocked figure A1 and select "Set Time of Day" as figure A2.








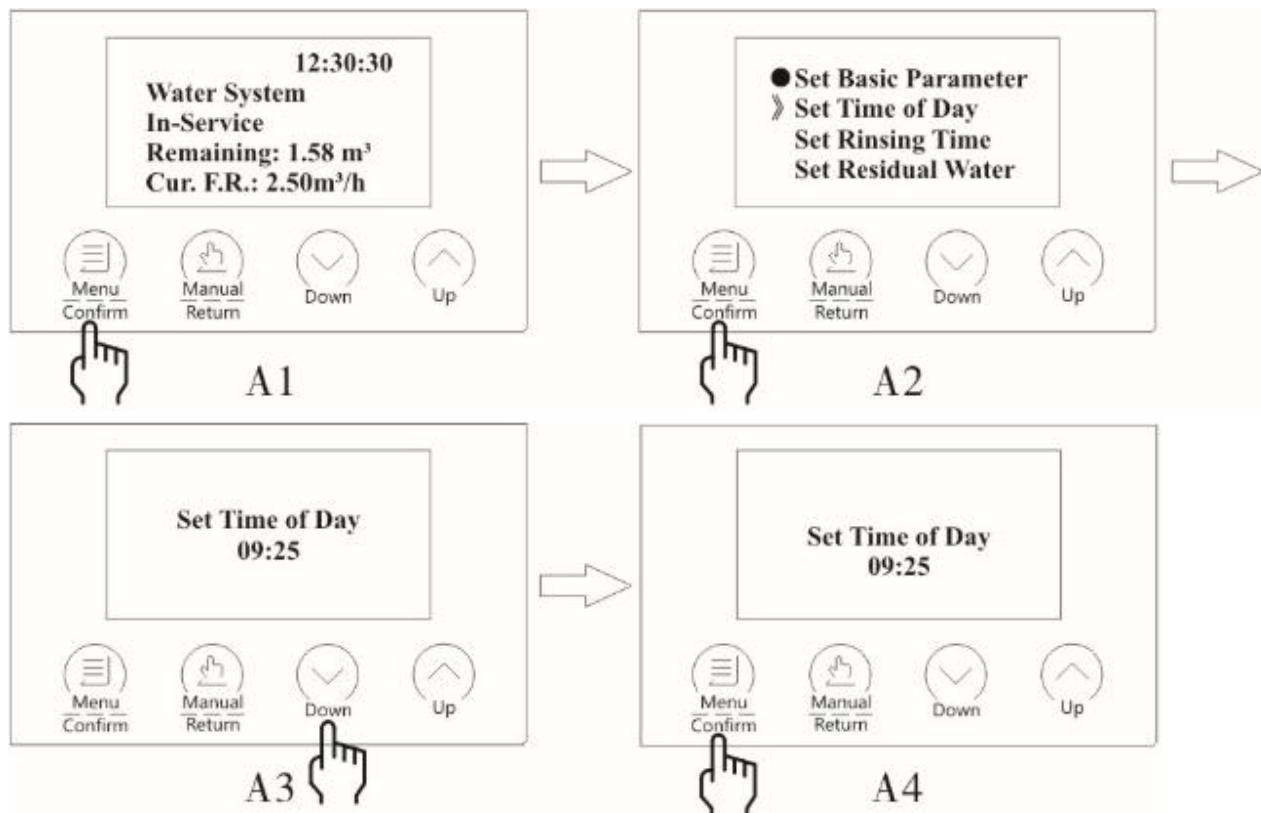









Then press  to enter into time of day setting interface as figure A3. When hour value flashes in

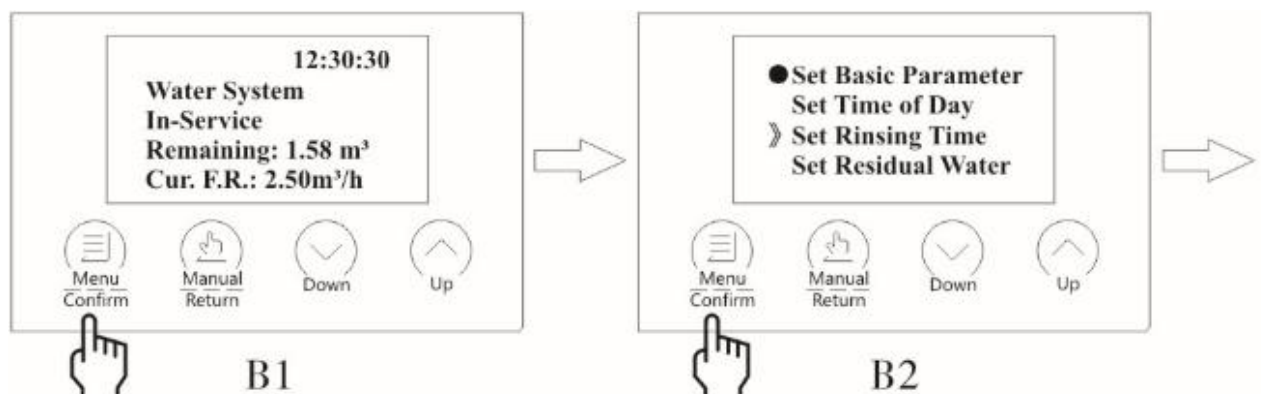
figure A3, press  and  to set the hour value. Press  again, and the minute value

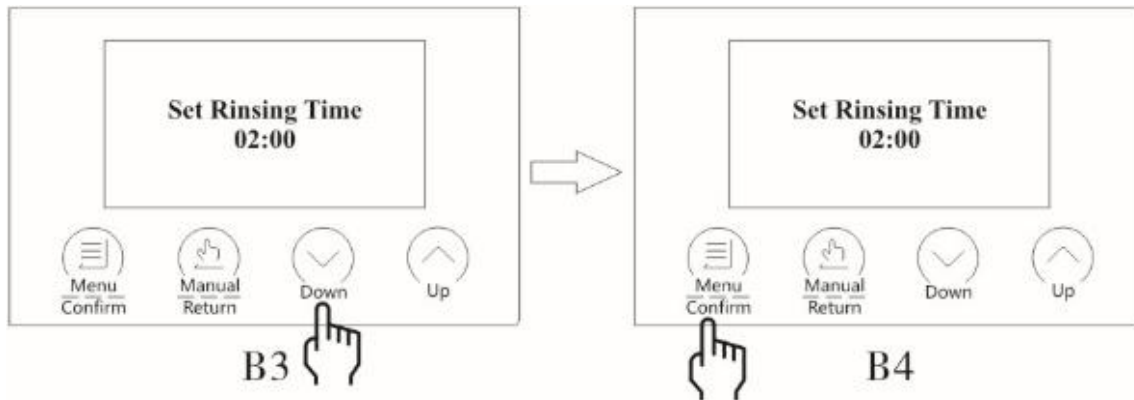
flashes. Press  and  to set the minute value. Press  in figure A4 to save the data and back to service status.



b. Set Rinsing Time







Press the  button under the unlocked figure B1 and then press  to select "Set Rinsing Time" as figure B2. Then press  to enter into rinse time setting interface as figure B3. When hour value flashes in figure B3, press  and  to set the hour value. Press  again, and the minute value flashes. Press  and  to set the minute value. Press  in figure B4 to save the data and back to service status.

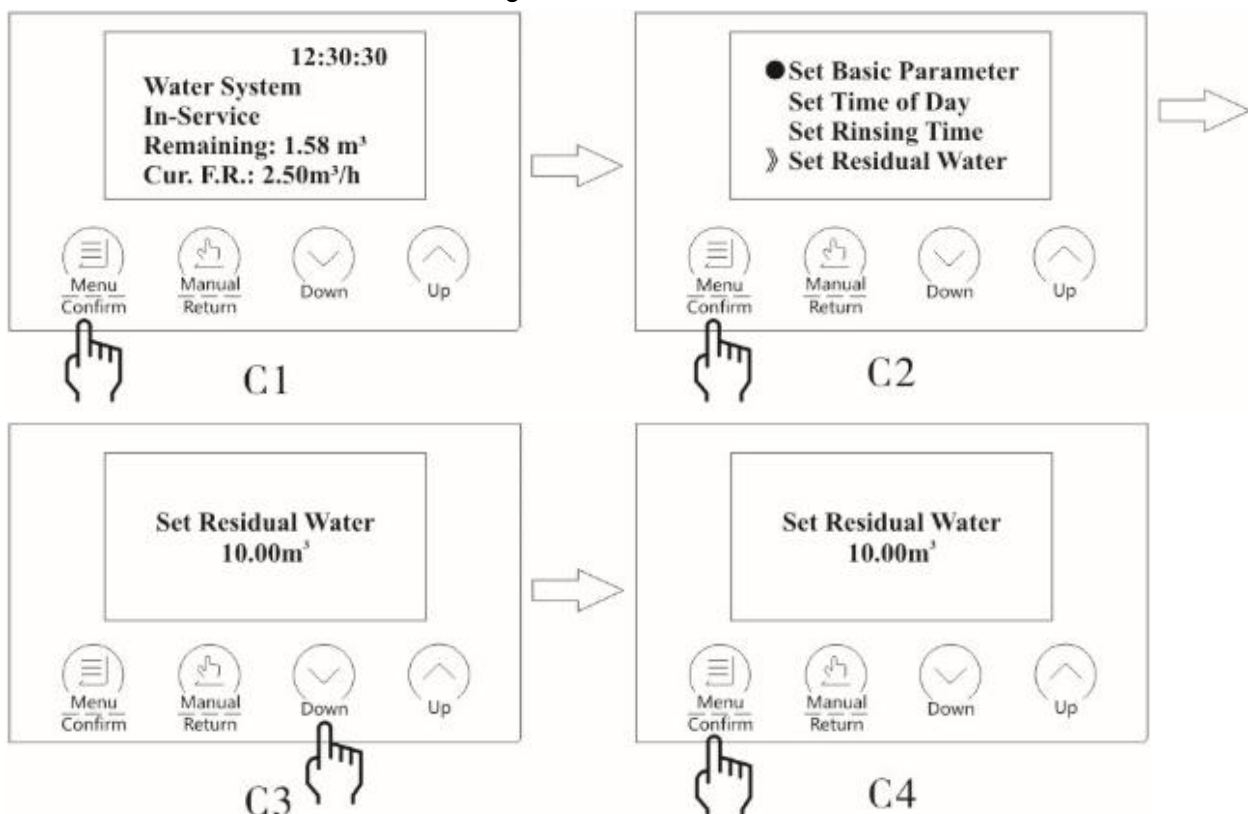




c. Set Residual Water

Setting residual water means that when the treated water reaches a certain amount, when the current time is the same as the rinsing time, the system enters the rinsing status. The setting of this parameter depends on the local water quality.

Press the  button under the unlocked figure C1 and then press  to select "Set Residual Water" as figure C2. Then press  to enter into water treatment capacity setting interface as figure C3. When water treatment capacity value flashes in figure C3, press  and  to set the value. Press  in figure C4 to save the data and back to service status.



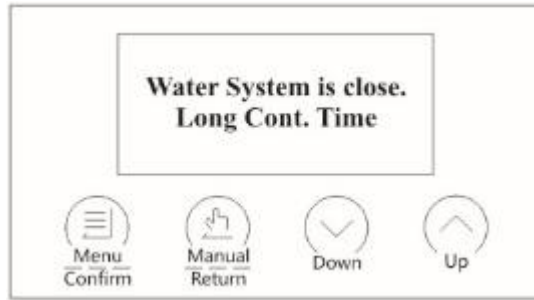
3.2 Set Protect Parameter

The water leakage protection function can minimize the loss caused by water leakage, and the parameters need to be set according to the actual use.



d. Set Cont. Water Time


When the machine detects that the water outlet has been flowing and reaches the set value, the

machine automatically closes the water inlet and displays it on the display board.

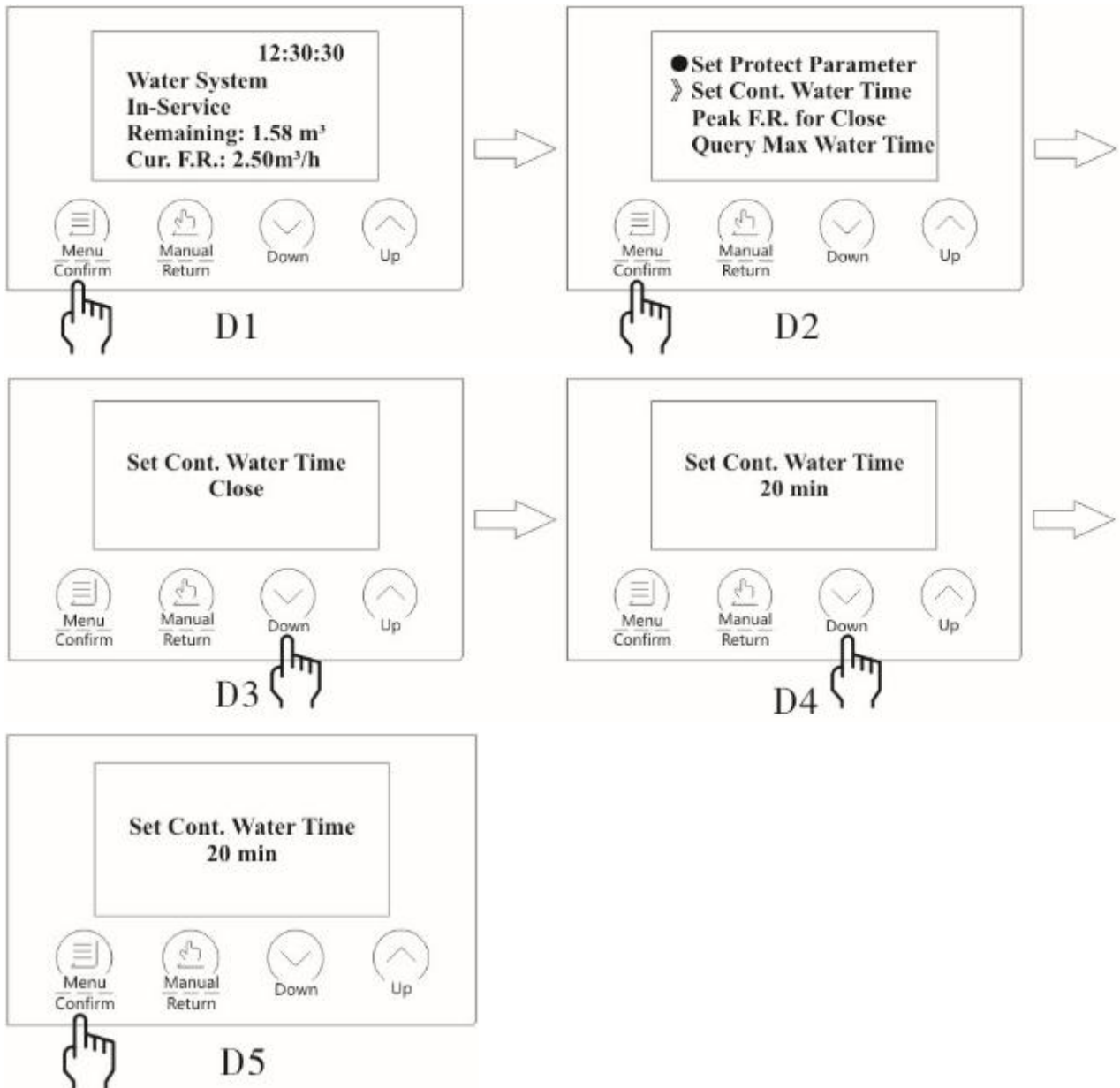


Leakage Protection of Continuous Water Supplying

Setting method: Press the  button under the unlocked figure D1 and then press  to select

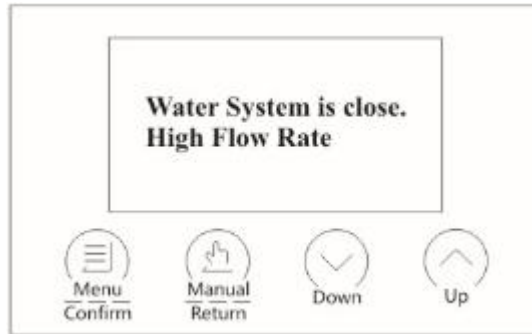
"Set Cont. Water Time" as figure D2. Then press  to enter into continuous water time setting interface as figure D3 or D4. When continuous water time value flashes in figure D3 or D4, press

 and  to set the value. Press  in figure D5 to save the data and back to service status.









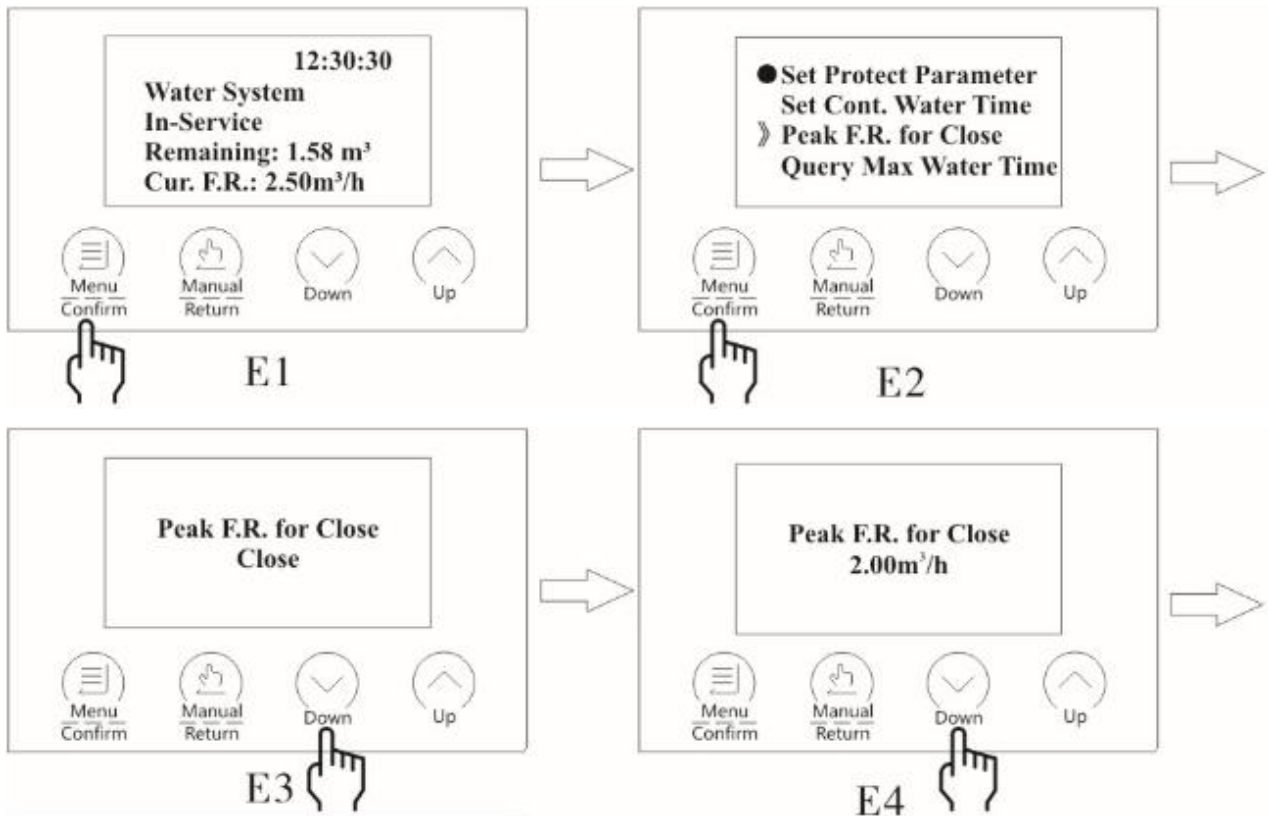
e. Peak F.R. for Close

When the machine detects that the instantaneous flow of the water outlet reaches the set value, the machine automatically closes the water inlet and displays it on the display board.



Leakage Protection of Instantaneous Flow

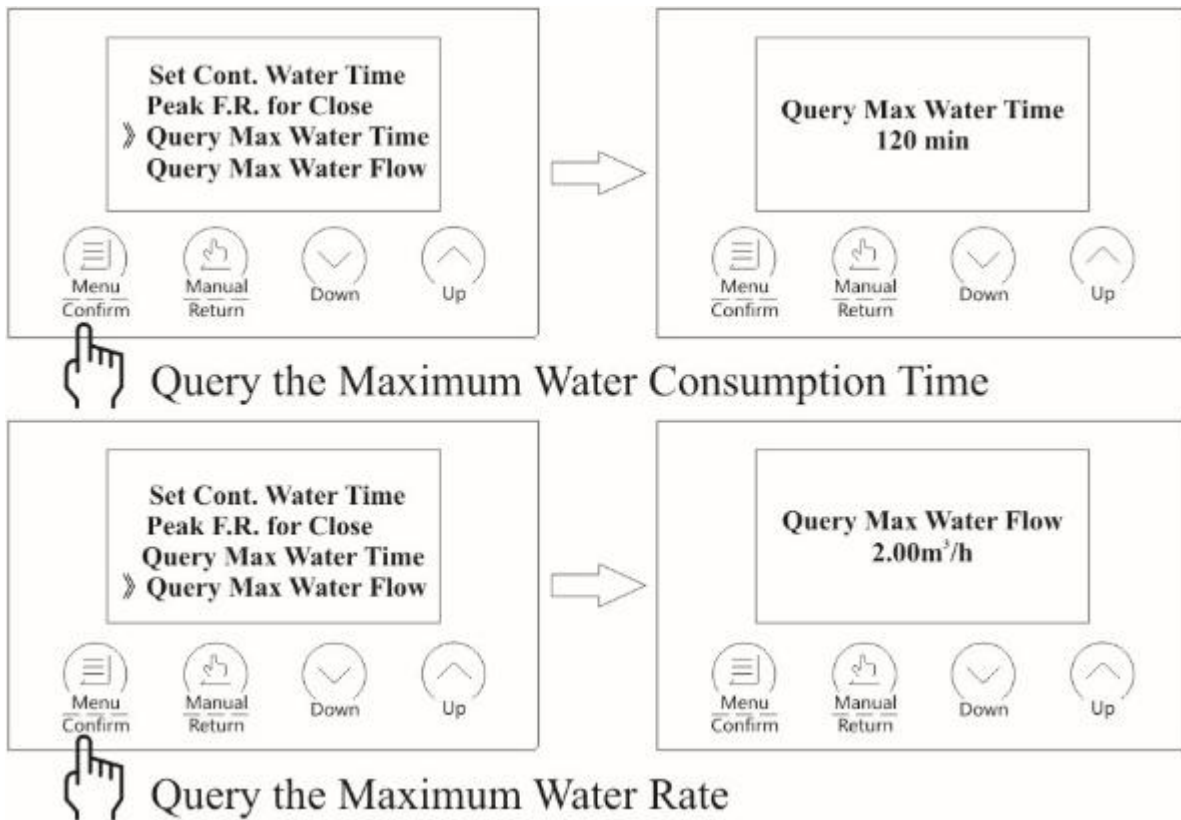
Setting method: Press the  button under the unlocked figure E1 and then press  to select "Peak F.R. for Close" as figure E2. Then press  to enter into peak F.R. for close setting interface as figure E3 or E4. When peak F.R. for close value flashes in figure E3 or E4, press  and  to set the value. Press  in figure E5 to save the data and back to service status.







f. Query Menu

In order to facilitate user settings, the machine provides two historical water consumption query parameters. After use water for a period of time, the user can query the maximum water consumption time and the maximum water flow rate, which is more convenient for the user to set the water leakage protection function.





8. Common Operating Functions

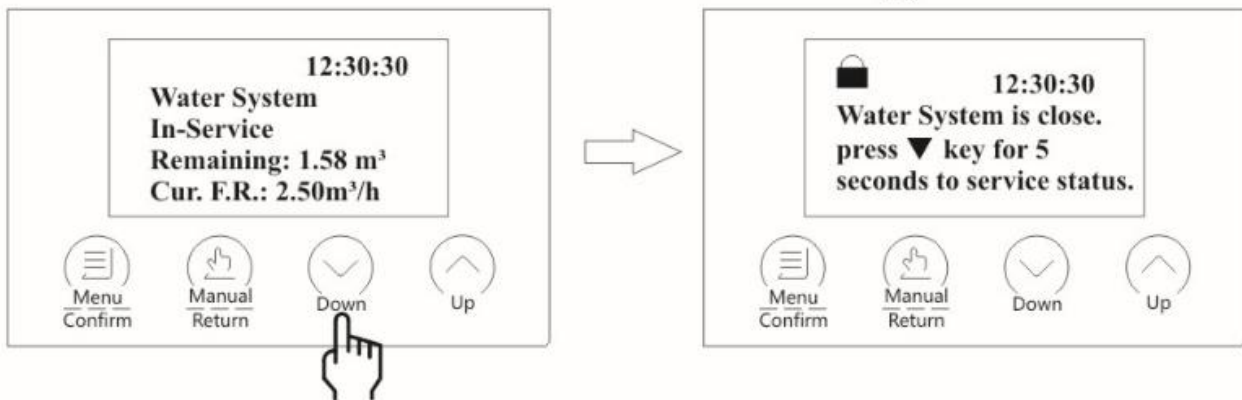
8.1 Lock and Unlock

Without any key operation in one minute, interface will be locked. Press  and  at the same time for 5 seconds, the interface will be unlocked.




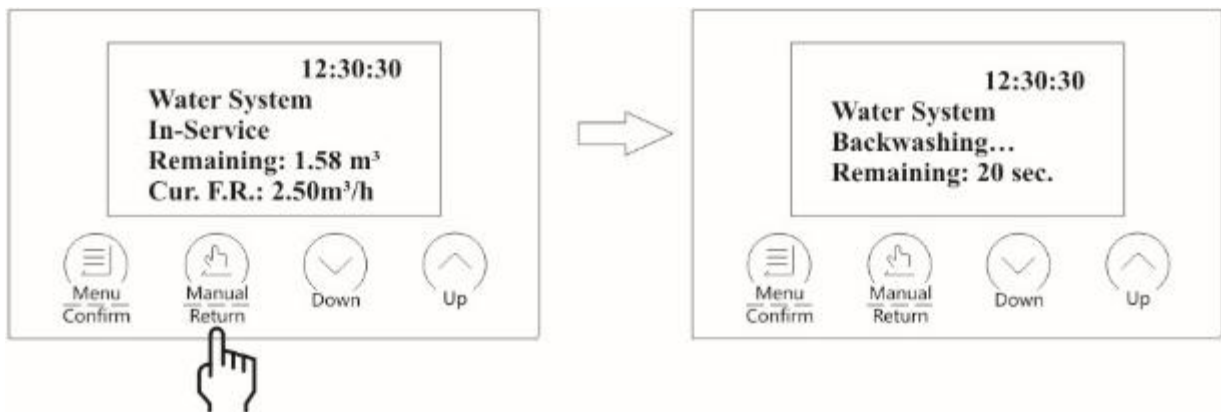
8.2 Manual Close

When it is necessary to maintain the filter element or other water appliances, the water source can be cut off by the manual close function. In the unlocked status, press and hold  for 5 seconds to automatically switch to the closed status. To return to service status, press and hold  for 5 seconds.



8.3 Manual Backwash


If you need to manually enter the rinse state, you can press  in the unlocked status to enter the backwash, and automatically rinse for 20 seconds and then enter the service status.



8.4 Lift Close Status

Because the water leakage protection function is set or the leakage sensor detects the water leakage, the machine will automatically switch to the close status to close the water inlet. If you need to



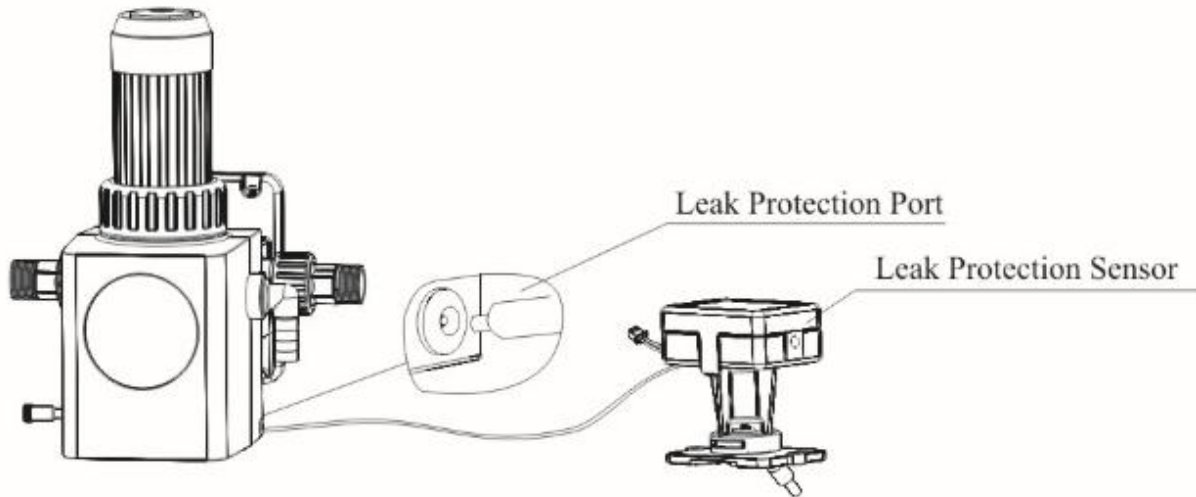
lift the close status, press and hold  for 5 seconds to automatically switch to the service status (The close status caused by the leakage sensor needs to solve the water leakage first).

8.5 LED Lamp

Touch any button, the LED lamp will light for 5 minutes. Without any operation in 5 minutes, the light will be off.

8.6 Installation of Leak Sensor

The pin of the leak sensor is installed in the leak protection port of the machine, and the sensor is placed on the ground where the leak can be sensed as soon as possible.



9. Trouble-Shooting

Problem	Cause	Correction
-E1-	<ol style="list-style-type: none"> 1. Motor is damaged. 2. Wire of motor with controller is loose. 3. Locating board is damaged. 4. Wire of locating board with controller is loose. 5. Small gear is damaged. 	<ol style="list-style-type: none"> 1. Replace motor. 2. Reconnect wire of motor. 3. Replace locating board. 4. Reconnect wire of locating board. 5. Replace small gear.
-E2-	<ol style="list-style-type: none"> 1. Locating board is damaged. 2. Main board is damaged. 	<ol style="list-style-type: none"> 1. Replace locating board. 2. Replace main board.
-E3-	<ol style="list-style-type: none"> 1. Main board is damaged. 	<ol style="list-style-type: none"> 1. Replace main board.
-E4-	<ol style="list-style-type: none"> 1. Main board is damaged. 	<ol style="list-style-type: none"> 1. Replace main board.
Current flow rate "0.00"	<ol style="list-style-type: none"> 1. Wire of water meter disconnect or breakdown. 2. Wire of water meter is damaged. 3. Turbine gets stuck. 4. Other causes. 	<ol style="list-style-type: none"> 1. Reconnect wire of water meter. 2. Replace wire of water meter. 3. Clean turbine. 4. Replace turbine.
Outlet flow rate decreases	<ol style="list-style-type: none"> 1. Impurities stuck in filter cartridge. 2. Filter net in the filter cartridge gets stuck. 	<ol style="list-style-type: none"> 1. Backwash manually. 2. Clean filter net.

Ineffective backwash	1. Inlet water pressure is low. 2. Fixed seat of filter cartridge gets stuck.	1. Install booster pump or increase flow. 2. Disassemble and clean the filter cartridge.
Interface prompts "close"	Continuous water supplying is too long.	Reset closing time for continuous water supplying according to water usage.
	Open many faucets at the same time or pipeline is burst.	Reset peak flow rate according to water usage. Or repair the pipeline.
	Water leakage is detected at the leak point.	Repair the leak point and replace the expansion cotton.

10. Warranty Card

Dear client:

This warranty card is the guarantee proof of High-Efficiency Automatic Backwash Disk Prefilter, which is kept by yourself. You could get the after-sales services from the supplier which is appointed by manufacturer. Please keep it properly. It couldn't be retrieved if lost. It couldn't be repaired free of charge under the below conditions:

1. Guarantee period expired. (One year).
2. Damage resulting from using, maintenance, and keeping that are not in accordance with the instruction.
3. Damage resulting from repairing not by the appointed maintenance personnel.
4. Content in guarantee proof is unconfirmed with the label on the real good or be altered.
5. Damage resulting from force majeure.

Product Name	High-Efficiency Automatic Backwash Disk Prefilter				
Model		Code of Valve Body			
Purchase Company Name		Tel/Cel			
Problem					
Solution					
Date of Repairing		Date of Accomplishment		Maintenance Man Signature	

If the product needs to be returned for repair, please be sure to consult with your product supplier about maintenance matters, fill in the contents of the above form truthfully, accurately and completely after receiving a positive answer, and send it to your product supplier together with the product to be repaired for maintenance.