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# RUNLUCKY润莱

Residential Products Manual

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### WENZHOU RUNXIN MANUFACTURING MACHINE CO.,LTD

Tel: +86-577-88630038 85956057 Fax:+86-577-88633258

www.run-xin.com



Professional Manufacturer of Water Treatment Systems for Residential Application

Residential Products Manual



### Soft water make the life better

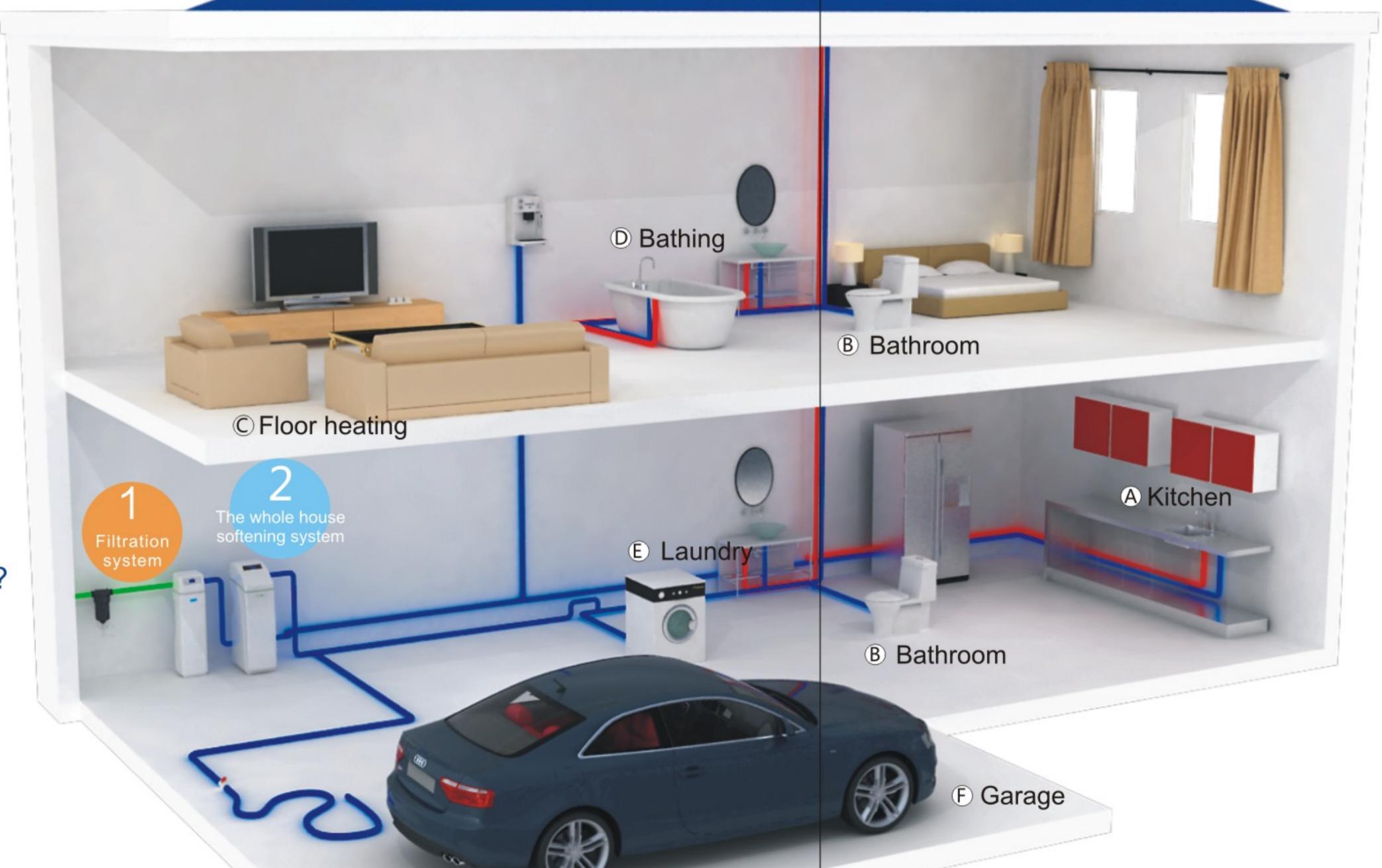
We can't live without water. People use water to do some cleaning and washing every day. Water is very significant to all of us. We rely on the water so deeply, but we don't really know everything about water.

### What is the hard water?

Water has soft water and hard water. In most part of China, the water has high magnesium ions and calcium ion contenting, which we called hard water, incrustation, and the hard water is a trouble maker in our daily life. Under the condition of heating water will precipitate of magnesium carbonate, calcium carbonate which can't dissolve in water. Therefore incrustation is formed day by day.

## What can soft water bring to us?

Using soft water can avoid scaling problems of water pipe, spigot, water appliances and floor heating. Moreover, it can reduce heating costs and the usage of cleaning produces. With soft water in bathing, skin will become soft and hair will get skinnier. Meanwhile, the stain of sanitary appliance, bath apparatus will disappear.



# RUNLUCKY 润莱®

### RUNLUCKY the whole house water softening system

- **A. Kitchen** the surface of tableware and ceramic appliance is bright and clean as new, and no stain marks.
- **B. Bathroom** with soft water in cleaning, it wouldn't be dirty, produce off-flavor and turn yellow such as toilet, sink, bathtub and so on. There will be no white scale in shower nozzle holes, and the water is unimpeded.
- **C.** Floor heating it keep water flow unblocked, and don't let dirty block pipe.
- **D. Bathing** with soft water in shower, bring you more smooth and healthy skin care.
- **E.** Laundry clothes get soft and don't damage coatings when using soft water to wash.
- **F. Garage** using soft water to wash the car, the cleaning effect is better. The car surface without scale membrane, lengthen the curing time.





Residential Products Manual



Wenzhou Runxin Manufacturing Machine Co., Ltd., a national high-tech enterprise, was founded in the year of 2000, located in Wenzhou City, Zhejiang. The products of Runxin mainly include four categories: Runxin-brand multi-functional flow control valve for water treatment systems (namely RUNXIN Valve), residential softeners, plastic plumbing pipe fittings and control valves for solar energy heaters and ceramic ball valves. The Runxin valves are self-developed with independent intellectual property rights, and have obtained invention patents of China, U.S., Russia, Australia, South Korea, India, Mexico, Philippines and Taiwan area. Direct marketing channels have been set up in 56 countries and regions, with more than 100 domestic and overseas agents and dealers. The goods are currently sold in more than 90 countries, making Runxin one of the three biggest control valve manufacturers

. With outstanding performance, Runxin valves give service to households and users across the five continents. In the year of 2012, on the basis of Runxin valves, Runxin Company developed the new softener series and continuously innovated with specialized R&D and superiority of manufacture to meet the comprehensive needs of soft water of domestic and overseas households.

"To be professional manufacturer of water treatment systems for residential (commercial) application" is our vision; "Technological innovation, manufacturing dedication" is our orientation. We are ready to give technical support and manufacturing service to every softener company, promoting the development of softener industry in a joint way.







National New High-tech Enterprise



Zhejiang Famous Trademark



Wenzhou Top Industrial Enterprise



Wenzhou Leading Enterprise



Wenzhou High Integrity Enterprise



Wenzhou Patent Model Enterprise



Wenzhou Lucheng District Top 50 in Industry



China Customs Recognised
Class A Enterprise



2015 Meritorious Enterprise



浙江省涉及饮用水卫生安全产品

卫生许可批件

浙江省涉及饮用水卫生安全产品

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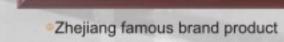
Zhejiang province production involving drinking water sanitation safe product sanitation permission instructions

MERCHAN AL MERCHAN

**等了在作可收率装满树个工作的人可看也是技术员。** 

卫生许可批件







Invention patent of EU

CE certificate RoHS certificate



Rod (

RoHS certificate of

residential softener

American invention patent



CELLA

RoHS CERTIFICATE

This cellificate is priy cold for the equipment and certifycelline alsocited in companion sold.

National States assessment in the control of LLTS IN 10067480 REZONE WALACT MEMBERS.





CE certificate of residential softener

# RUNLUCKY (Residential) Whole House Water Treatment Systems for Different Raw Water Quality



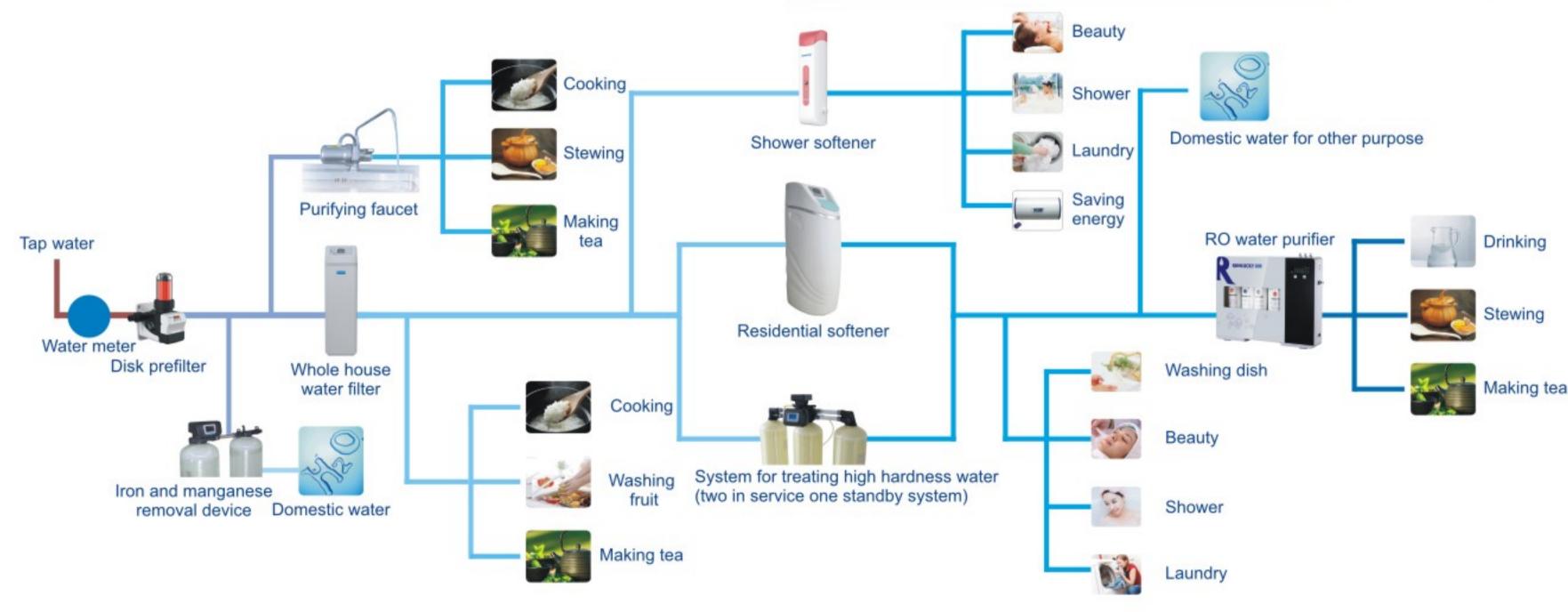


Illustration: above system configurations are for only for reference.

Based on the real situation, customer can choose one configuration or multi-confirgurations

# Chinese brand turns out to the world

So far, RUNLUCKY residential products has been exported to 30 countries and regions



# Product advantages



- The core control valve is self-developed, it has a multiple specifications and various kinds. It is certified by American NSF.
- The whole machine is certified by CE and adopts up-flow regeneration technology, saving salt and water.
- It adopts food-grade resin and tank.
- •It is tool free for installation and convenient for operation.
- It has a unique function of calculating the water treatment capacity by itself automatically by inputting hardness and resin volume

### All main components for the whole machine are researched and developed by ourselves.



# 8 main advantages of RUNLUCKY water softener



The core control valve with leading technology in the world.



Salt and water saving, up-flow regeneration technology.



Professional water hardness testing reagent.



water Tool free and humanistic reagent. design for installation.



The main components is certified by American NSF. CE and RoHS of EU.



Food-grade, high capacity,



More than 90% of the components are



The products are exported to 26 countries and areas in the world.





# Overturn the cover easily, convenient for operation

The cabinet is designed in the shape of arc; beautiful appearance; optimize the space of adding salt





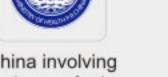
# **Professional certificate** of RUNXIN Company







instructions











# Creative and caring humanistic design idea

# Equipped with bypass valve

Equipped with bypass valve, soft water, mixed water, the bypass positions for optional. Connected by clip, installation and removal without tools.

More convenient for installation, maintenance and operation.



### Intelligent control valve

Core control valve, control the machine to operate intelligently

High-performance intelligent control valve, research and develop international invention patent by ourselves.

Calculate water treatment capacity automatically, up-flow regeneration automatically, no human operation, more easy to use.



# Food-grade softener resin and tan

The resin tank adopts ABS liner and double strengthening glass steel around outside.

Mold at one time, high pressure-resistance, food-grade ion exchange resin ensure the safety and health of water quali



## English display interface

All positions adopts English to display, backlight control. The service status is easy to see.

With children lock function which is safer to use.

We can inquire the water consumption data in the recent 7 c



RL-RS-50A1

Technical parameters					
Old Model New Model	RL-RS-500A1 RL-RS-50A1	RL-RS-500A RL-RS-50A			
Suggested flow rate <sup>①</sup>	0.3~0.5 m³/h	0.5~0.8 m³/h			
Resin tank(in)	0713	0717			
Resin volume	4.5L	6L 1.5m³			
Continuous total ② softened water	1.0 m³				
Outlet water hardness	≤0.6 mmol/L	≤0.6 mmol/L			
Overall size (Length×Width×Height)	380X210X465mm	380X210X565 mm			
Suited for		For small and medium dwelling unit type, it can be installed under cupboard or bathroom.			

 The flow rate will be different according to pressure drop. We use 0.3MPa pressure drop to calculate the data in the form.



② Continuous total softened water will be different according to the raw water hardness. We use 150mg/l to calculate the data in the form.

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RL-R100B

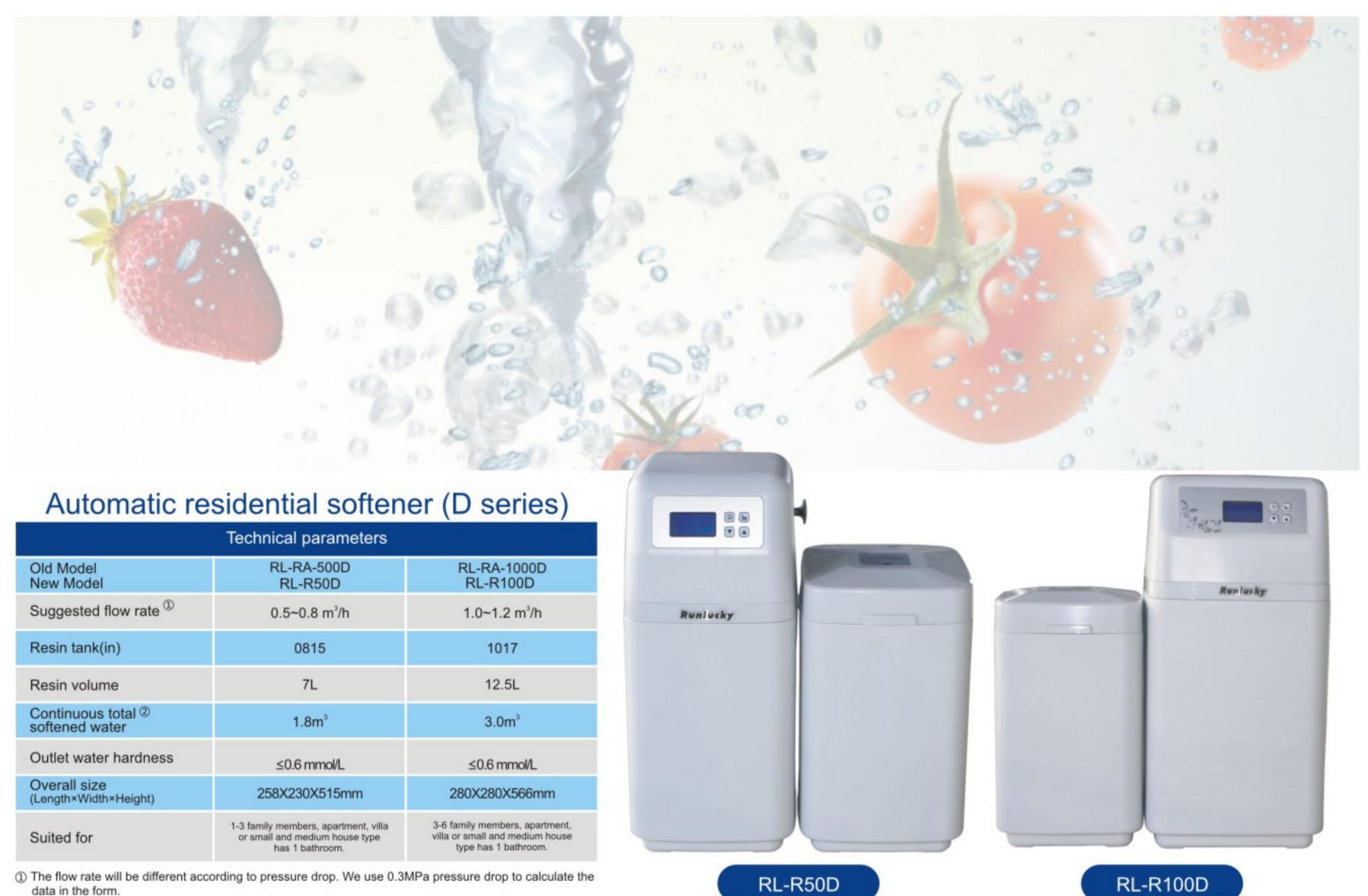
Automatic residential softener	(B series)
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rateriatio resideritiai serterioi (B series)							
Technical parameters							
RL-RA-1000B RL-R100B	RL-RA-1500B RL-R150B						
1.0~1.2m³/h	1.5~2.0m³/h						
1017	1035						
12.5L	28L						
3.0m³	7.0m³						
≤0.6 mmol/L	≤0.6 mmol/L						
525X325X615mm	525X325X1070mm						
For small and medium size family, which has 2-3 family members, it can be installed under apartment or small and medium house type which has 1 bathroom.	For medium and large size family, which has 3-5 family members, it can be installed under apartment, villa or small business which has 1-2 bathroom.						
	Technical parameters  RL-RA-1000B RL-R100B  1.0~1.2m³/h  1017  12.5L  3.0m³  ≤0.6 mmol/L  525X325X615mm  For small and medium size family, which has 2-3 family members, it can be installed under apartment or small and medium house type						

① The flow rate will be different according to pressure drop. We use 0.3MPa pressure drop to calculate the



<sup>2</sup> Continuous total softened water will be different according to the raw water hardness. We use 150mg/l to calculate the data in the form.



The flow rate will be different according to pressure drop. We use 0.3MPa pressure drop to calculate the



② Continuous total softened water will be different according to the raw water hardness. We use 150mg/l to calculate the data in the form.



RL-R150E

RL-R100E

### Automatic residential softener (E series)

Technical parameters							
Old Model New Model	RL-RA-1000E RL-R100E	RL-RA-1500E RL-R150E					
Suggested flow rate <sup>®</sup>	1.0~1.2 m³/h	1.5~2.0 m³/h					
Resin tank(in)	1017	1035					
Resin volume	12.5L	28L					
Continuous total <sup>②</sup> softened water	3.0m³	7.0m³					
Outlet water hardness	≤0.6 mmol/L	≤0.6 mmol/L					
Overall size (Length×Width×Height)	490X371X582mm	492X410X1045mm					
Suited for	2-4 family members, apartment, villa or small and medium house type has 1-2 bathroom.	3-6 family members, apartment, villa or small and medium house type has 2 bathrooms.					

① The flow rate will be different according to pressure drop. We use 0.3MPa pressure drop to calculate the



② Continuous total softened water will be different according to the raw water hardness. We use 150mg/l to calculate the data in the form.







# Automatic residential softener (I series)

	Technical parameters						
Old Model New Model	RL-RA-1000I RL-R100I	RL-RA-1500I RL-R150I					
Suggested flow rate <sup>①</sup>	0.8~1.2 m³/h	1.5~2.0 m³/h					
Resin tank(in)	1017	1035					
Resin volume	12.5L	28L					
Overall size (length X Width X Height)	490X400X596mm	490X400X1055mm					
Suited for	For small and medium size family which has 1-3 members. It can be installed in the spertment/medium and small house type which has 1 befincem.	For medium and large size family which has 3-5 members. It can be installed in the operhnent, villa or small business which has 1-2 bethroom.					
Remark	3.5" LCD screen,	touch type button					

① The flow rate will be different according to pressure drop. We use 0.3MPa pressure drop to calculate the data in the form.





RL-R100K

### Automatic residential softener (K series)

Technical parameters								
Old Model New Model	RL-RA-1000K RL-R100K	RL-RA-1500K RL-R150K						
Suggested flow rate <sup>①</sup>	0.8~1.2 m³/h	1.5~2.0 m³/h						
Resin tank(in)	1017	1035						
Resin volume	12.5L	28L						
Overall size (length X Width X Height)	458X405X593mm	488X448X1048mm						
Suited for	For small and medium size family which has 1-3 members. It can be installed in the spartment/medium and small house type which has 1 ballmore.	For medium and large size family which has 3-5 members. It can be installed in the spertment, villa or small business which has 1-2 belincom.						
Remark	2.5" LCD screen,	touch type button						

① The flow rate will be different according to pressure drop. We use 0.3MPa pressure drop to calculate the data in the form.



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### Whole house water filter

Whole house water filter: remove the hazardous substance in the water, such as chlorine, heavy metal, virus, organic matter, alga, suspended solids, etc. It can effectively solve the secondary water pollution and clean the water.

Technical parameters							
Model	RL-J60DR RL-J120DR						
Suggested flow rate <sup>①</sup>	0.6~1.0 m <sup>3</sup> /h	1.2~1.5 m <sup>3</sup> /h					
Media tank(in)	1017	1035					
Filter media volume	11L	25L					
Inlet /Outlet size	3/4"						
Inlet water pressure	0.15~0.6MPa						
Overall size (length X Width X Height)	281X281X566mm	281X281X1036.5mm					

Remark: The flow rate will be different according to pressure drop. We use 0.3MPa pressure drop to calculate the data in the form.





Shower Softener Patent No.:ZL201420771580.x ZX201520309106.x

Patented design and dynamic regeneration, increasing above 30% effect

Name	Shower softene	r with single tank	Shower softener combined filtration and softening		Shower softener with double tank		Shower softener with multi regeneration times	
Model	RL-R50/M1A3	RL-R50/M2A5	RL-R50/M5A3	RL-R50/M7A3	RL-R50/M3A3	RL-R50/M4A5	RL-R50/M6A3	
Regeneration alert mode	Meter Type	_	Meter Type	Meter Type	Meter Type	_	Meter Type	
Driving mode	Power Adapter	4 pieces AA battery	Power Adapter	4 pieces AA battery	Power Adapter	4 pieces AA battery	Power Adapter	
Rated flow	300	300L/h 500L/h				600L/h		
Water treatment capacity		75	0L		150	00L	5500L ( 6 times regeneration ) with one time salt addition )	
Environment temperature		5℃~70℃						
Raw water	City Municipal Tap Water							
Product size	600mm*166mm*167mm 608mm*321mm*178mm							

Above product has time type for option Remark: above data were tested with 200mg/L inlet water hardness



### Residential Softener Under Sink



- Match with F105 control valve, wireless control.
- With the drawer and storage box, taking full advantage of the space.
- With truckle, easy to move the softener.
- Appearance is brief, fashion and with compact structure.

Technical parameters					
Specification	RL-R100M (Softener under sink )				
Suggested flow rater <sup>①</sup>	0.8~1.2m³/h				
Continuous total softened water <sup>②</sup>	3.0m³				
Overall size(Length*Width*Height)	500X448X495mm				

①The flow rate will be different according to pressure drop. We use 0.3MPa pressure drop to calculate the data in the form.
②Continuous total softened water will be different according to the raw water hardness. We use 150mg/l to calculate the data in the form.



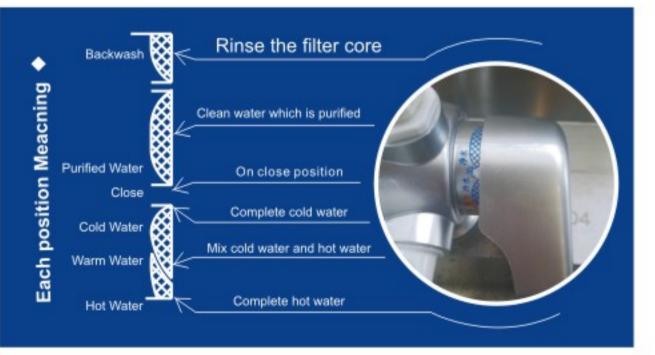


Healthy, Economic With the function of backwashing, purifying water, adjusting temperature, etc.

- Different flow channel for raw water and purified water, can supply different quality water
- ©Can adjust the flow rate

RL-W01

- With the function of backwashing
- Adopt the macromolecule compound filtration core ,
   the filtration precision can reach 1µm



Model	Inlet Water	Rated water treatment capacity	Rated flow rate	Outlet water quality	Filtration precision	Inlet water pressure	Overall size (Length * Width*Height)
RL-W01	Tap water	2500L/filter core (PE filter core)	1L/M	Meet the requirements of Sanitary Standard for Domestic Drinking Water (2001)	1µm	0.1~0.3Mpa	240mm×232mm×110mm

Remark: Assume a family with three people and each day purified water consumption 16Kg, the rated water treatment capacity for PE filter core is 2500L which can be used formore than 5 month; Also, we offer an auxiliary filter core, that means it can be used around 1 year (after the filter core is used up, you can buy the filter core from the local dealers)



# RO Water Purifier

- ®Screw clamping type filter cartridge, easy to use and maintain, reducing leakage risk and second pollution.
- With the lifetime reminding functions, reminding users to replace filter cartridge on time.
- ®Have timeout protection, instructions of producing water, instruction of full water, inspection instructions and maintenance tips.
- ®The RO membrane from Dow, ensuring the safety and lifetime.
- Microcomputer automatic control, with key touch sensor



RL-C02











Technical parameters						
Model	RL-C03					
Product size	406*138*415 469*123*354		505*142*415			
Water capacity	11.8L/H	11.8L/H	60L/H			
temperature	5°C-38°C	5°C-38°C	5°C-38°C			
Inlet water pressure	0.1~0.4MPa	0.1~0.4MPa	0.1~0.4MPa			
Filter element	PP cotton+Active carbon+RO membrane+Active carbon					
Suitable raw water	Tap water	Tap water				

Remark: The service flow rate is tested under 0.3Mpa, the actual flow rater will be different according



# Basin cold & hot water faucet

Residential Cold & Hot Washbasin Tap





# Automatic backwash disk prefilter Patented design

Patent No.: ZL201620552465.2 ZL201120052378.8

Have high efficiency of intelligent backwash function whose backwash cleaning rate is more than 30% compared with traditional product.

Filter core is installed upside down, the dirt could be cleaned out maximally.

With intelligent water leakage preventation design, ensuring safety water using for a family

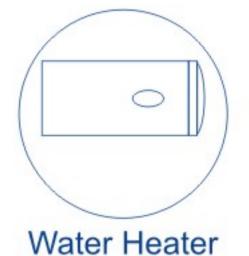
Animated connector, could be rotated 360°, convenient for pipeline connection.

Flashlight function: press any key, LED lights up The outlet equipped with micro pressure drop check valve which can prevent the water back when the water does

not supply.

With Long lifetime and no need to replace the filter core during the usuage





















Model	Rated flow rate	Filtration precision	Filter core	Inlet water pressure	Product size (mm)	Transformer	Installation way
RL-Q01	1.5m³/t	50µm	Disk	0.1~06MPa	190*244*293.5	DC12V/1.5A	Upside down
RL-Q01S	1.5m³/t	50µm	Disk	0.1~06MPa	200*244*272	None (Manual type)	Upside down
RL-Q02	2.5m³/t	50µm	Disk	0.1~06MPa	250*302*358	DC12V/1.5A	Upside down

