

Electronic Ceramic-core Ball Valve

48820A (Old Model No.: F93B1)

48820A/C (Old Model No.: F93B1/C)

48820B (Old Model No.: F93B2)

48820C(Old Model No.: F93B3)

48825A (Old Model No.: F93C1)

48825B (Old Model No.: F93C2)

48825C(Old Model No.: F93C3)

Instruction Manual





Please read this manual in details before using this valve and keep it properly in order to consult in the future 0WRX.466.544

Catalogue

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1.Product Overview

Valve core is made of ceramics which have good performance of lubrication, hardness and anti-frication, manufactured by advanced polishing equipment and workmanship, with good roundness and surface quality. It overcomes the shortcomings of easy leakage, big torque and corrosion of metal-sealed ball valves. The ceramic ball valve has a long lifetime which is 2-4 times that of titanium alloy valve and monel valve.

2.Working Application

- Small-sized equipment which requires high-efficient water saving, automatic control
 and industrial self-control.
- Projects of environmental protection, water supply and drainage, food and water treatment.
- *Water-saving utensils, drinking water equipment, solar energy, washer, and etc.
- *Chemical preparations, petrochemical and oil products and other corrosive liquids
- *Not applicable to high-viscosity media.

3. Product Characteristics

- Witih ceramic ball valve as the core assembly, it has a good performance of abrasion and corrosion resistance, good sealing and a long lifetime which is more than 100,000 times.
- ◆Small torque, opening and closing time ≤ 15s.
- Pleasing appearance and compact structure.
- ◆ As substitute in the places where electronic ball valves are not applicable.
- High protection degree, suitable in humid surroundings.

4.Technical Parameters

Model	Nominal Diameter	Structure	Valve Stem Material	Electric Facility	
F93B1	- DN20	Two-ports	316L	DC6V	
F93B1/C			HPb59-1		
F93B2			316L	DC12V	
F93B3			316L	DC24V	
F93C1	DN25	Two-ports	316L	DC6V	
F93C2				DC12V	
F93C3				DC24V	

Valve Body: Strengthened PPO

Seal Ring: EPDM

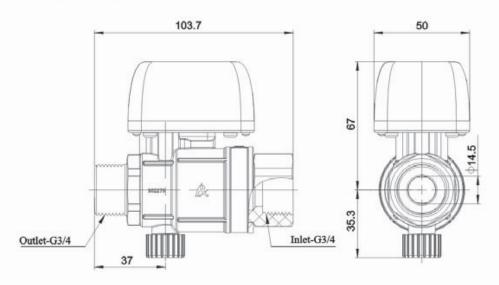
Working Pressure: 0~1.0MPa Working Temperature: 1 °C ~ 60 °C

Control Mode: Open and close the switch valve by the exchange of power polar.

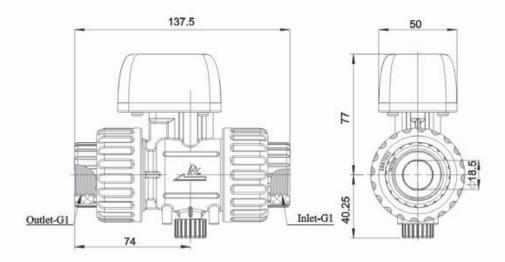
Note: F93B1/C is not applicable to corrosive media.

5. Product Appearance and Installation Dimensions

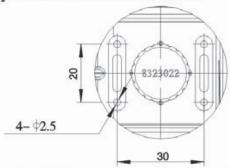
1. F93B1, F93B1/C, F93B2,F92B3 Appearance and Installation Dimensions



2. F93C1, F93C2,F93C3 Appearance and Installation Dimensions



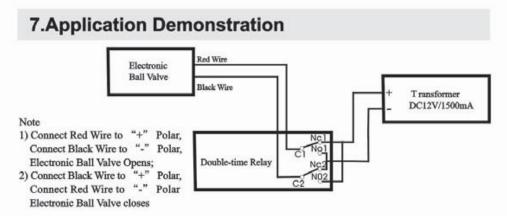
3. Fixed Base Appearance and Installation Dimensions



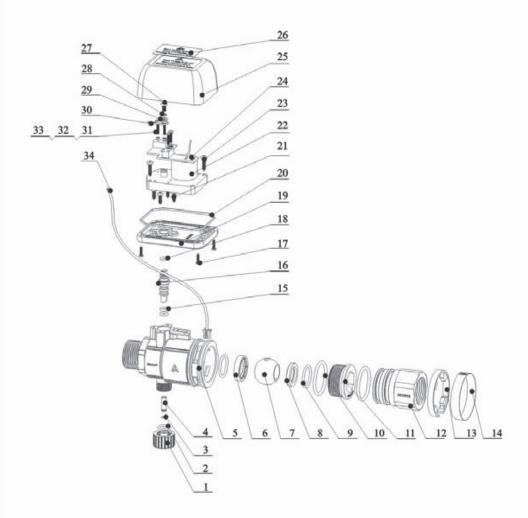
Note: 40 piece of ST2.9X13 cross screw are affiliated accessories and can be installed according to their needs.

6.Installation Requirements and Notices

- The ball valve can match with two different adapters: 6VDC or 12VDC. In connecting adapters, please note that the status of electronic ball valve changes each time the anode and cathode of power is exchanged.
- The product should be installed in accordance with the flow of water which is marked in the valve body, forbidden to connect it in a reverse way.
- The default status of the product is open, and the initial status can be adjusted according to their needs.
- 4. Only professional personnel can uninstall and fix the valve. If you have any problem, please give feedback to our company or our agents.
- When the inlet water contains much pollutants and solids, a filter should be in the water inlet.
- Keep the valve from strong impact so as not to cause sluggishness or damage.



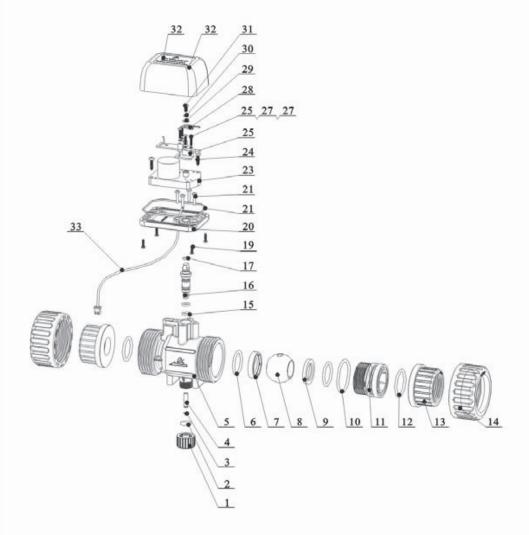
8. Valve Assembly and Component Code



2 Component Name and Code

Item	Component Name		Component Number	Piece	
1	Ph	-	8323022	1	
2	O-ring		8378173	1	
3	Circlip		8994005	1	
4	Axis		8206011	1	
5	Valve		5022070	1	
6	Seal	Ring	8371029	1	
7	Valve	Core	8259002	1	
8	Seal .	Ring	8371033	1	
9	O-r	ing	8378172	2	
10	O-r		8378081	2	
11	Ca	ар	8945024	1	
12	Connector		8458058	1	
13	Cl	ip	8270001	1	
14	Fen	rule	8270002	1	
15	O-r	ing	8378174	2	
16	Valve Stem	F93B1/F93B2/ F93B3	8206010	1	
	varve brem	F93B1/C	8206021	-	
17	Cross Screw		8909005	4	
18	O-r	ing	8378003	1	
19	Connecting Board		8152108	1	
20	O-r	ing	8378200	1	
21	Cross	Screw	8902036	4	
		F93B1	6158046	1	
22	3.6.4	F93B1/C			
22	Motor	F93B2	6158051	1	
		F93B3	6158047	1	
23	Cross	Screw	8909031	2	
24	Locating	g Board	6382025	1	
25	Dust Cover		8005031	1	
		F93B1			
		F93B1/C	/	1	
26	Label	F93B2	8869018	1	
		F93B3	8869020	1	
27	Cross Screw		8902034	1	
28	Spring Gasket		8953008	1	
29	Washer		8952008	1	
30	Pick		8152017	1	
31	Cross		8902035	4	
32	Spring		8953007	4	
33	Washer		8952009	4	
34	Power Cable		5513006	1	

- 2. F93C1, F93C2,F93C3 Valve Assembly and Component Code
- 2 Component Exploited Drawing



② Component Name and Code

Item	Component Name		Component Number	Piece
1	Plug		8323022	1
2	O-ring		8378173	1
3	O-ring		8378186	1
4	A	cis	8206013	1
5	Valve	Body	5022048	1
6	O-1	ing	8378185	3
7	Seal	Ring	8371031	1
8	Valve	Core	8259004	1
9	Seal	Ring	8371032	1
10	O-1	ring	8378187	1
11	C	ap	8945026	1
12	O-1	ing	8378188	1
13	Conn	ector	8457059	2
14	Anima	ted Nut	8947025	2
15	O-1	ing	8378189	2
16	Valve	Stem	8206014	1
17	O-1	ring	8378003	1
18	Cross	Screw	8909005	4
19	Connecti	ng Board	8152108	1
20	O-1	ing	8378200	1
21	Cross Screw		8902036	4
		F93C1	6158046	1
22	Motor	F93C2	6158051	1
		F93C3	6158047	1
23	Cross Screw		8909023	2
24	Contro	l Board	6382025	1
25	Cross	Screw	8902035	4
26	Spring	Washer	8953007	4
27	Was	sher	8952009	4
28	Pi	ck	8152017	1
29	Washer		8952008	1
30	Spring Washer		8953008	1
31	Cross Screw		8902034	1
32	Dust	Cover	8005031	1
	F93C1		1	/
33	Label	F93C2	8869018	1
	F93C3		8869020	1
34	Power Cable		5513006	1

9. Warranty Card

Dear client:

In the warranty period of one year, in case of quality problems, we will offer free after-sales service. But it couldn't be repaired free of charge under the below conditions:

- 1. Guarantee period expired(One year);
- 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. Damage resulting from force majeure.

If the user needs our repairing service, please accurately fill in the table of Runxin Electronic Ceramic-core Warranty Card. The card is the guarantee proof of the electronic ceramic-core ball valve, to be kept by the user themselves. It cannot be retrieved if lost.

Product Name	溪湖新 Electron Ceramic-core Ball Valve			
Model		Code of Valve Body		
Purchase Company Name		Tel/Cel		
Problem				
Solution				
Date of Repairing	Date of Accomplishment	Maintenance Man Signature		



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