Affordable
Water Treatments of Manitoba

MODEL GZ2
CONTROL VALVE

Installation and Operating Manual



TO ACHIEVE OPTIMAL PERFORMANCE AND EFFECTIVE HARD WATER PROTECTION, PLEASE CAREFULLY READ THIS INSTALLATION INSTRUCTION MANUAL IN ITS ENTIRETY BEFORE STARTING THE INSTALLATION.

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WARNING AND SAFETY INSTRUCTIONS

WARNING! For your safety, the information in this manual must be followed to minimize the risk of electric shock, property damage or personal injury.

Before you begin the installation of the water softener, we advise you read and carefully follow the instructions contained in this installation instruction manual. It contains important information about safety, installation, use and maintenance of the water softener.

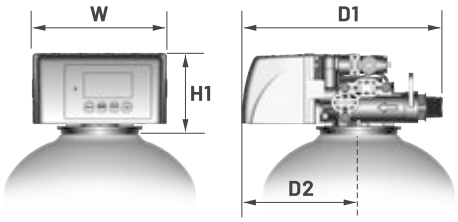
- This water softener is designed to 'soften' water by removing hardness minerals; however, it may not eliminate other contaminants in the water. It should be noted that this system is not meant to purify contaminated water or render it safe for drinking.
- Only a skilled individual, knowledgeable about local regulations, should install this water softener. All plumbing and electrical work must comply with these local codes.
- Prior to installing the water softener, it's crucial to inspect it for any apparent external damage. If any damage is found, do not proceed with installation or usage.
- Transport the water softener using a hand truck. For safety and to avoid accidents or injuries, avoid lifting the softener over your shoulder. Additionally, ensure that the softener is not laid on its side.
- Store this installation instruction manual securely and make certain that new users are acquainted with its contents.
- The water softener is constructed in compliance with prevailing safety norms and regulations. Repairs done incorrectly can pose unexpected risks to the user, liabilities for which fall outside the manufacturer's responsibility. As such, repairs should be exclusively carried out by a qualified technician who is knowledgeable and trained in this specific product.

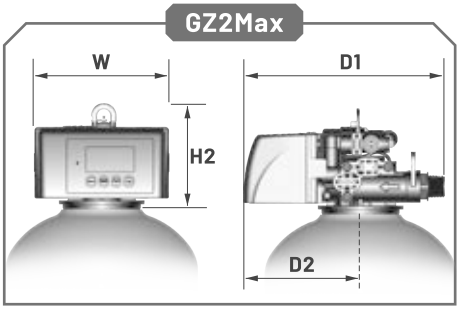
In respect of the environment, the appliance should be disposed of in accordance with Waste Electrical and Electronic Equipment (WEEE) requirements. Refer to national/local laws and codes for correct recycling of this appliance.

TECHNICAL SPECIFICATIONS

• Outline size

W (Width)	164 mm (6.5 inch)
H1 / H2 (Height)	98 / 127 mm (3.9 / 5.0 inch)
D1 / D2 (Depth)	244 / 142 mm (9.6 / 5.6 inch)





GZ2Max: Suitable for large backwash applications above 7.0 gpm.

• Configuration reference

Mineral Tank	Injector (Downflow)	BLFC (gpm)	DLFC (gpm)
6"	#000	0.25	1.2
7"	#00	0.25	1.5
8"	#00	0.25	2.0
9"	#0	0.5	2.4
10"	#1	0.5	3.0
11"	#1	0.5	3.5
12"	#2	1.0	4.0
13"	#2	1.0	5.0
14"	#3	1.0	5.0
16"	#4	1.0	7.0

Mineral Tank	Injector (Upflow)	BLFC (gpm)	DLFC (gpm)
8"	#000	0.25	2.0
9"	#000	0.25	2.4
10"	#000	0.25	3.0
11"	#00	0.25	3.5
12"	#00	0.25	4.0
13"	#0	0.5	5.0
14"	#0	0.5	5.0
16"	#1	1.0	7.0

TECHNICAL SPECIFICATIONS

• Valve specifications

Inlet / Outlet:	3/4" or 1" NPT/BSP
Mounting base:	2.5"– 8 NPSM
Distributor pilot:	1.05" O.D. (26.7 mm)
Drain line:	1/2" I.D. (GZ2Max-1/2" I.D. or 3/4" I.D. or 1/2"BSP/NPT or 3/4"NPT)
Brine line:	3/8" O.D.

• Flow rate 50 psi (3.5 bar) valve alone

Continuous 15 psi (1 bar) drop:	20 gpm (76 lpm)
Peak 25 psi (1.7 bar) drop:	26 gpm (98 lpm)
Max Backwash 25 psi (1.7bar) drop:	7 gpm (26 lpm) [GZ2Max-17 gpm (64 lpm)]
CV 1 psi (0.07 bar) drop:	5.0

• Regeneration

Regeneration mode:	Time clock / Day of week / Hours delayed Meter delayed / Meter immediate / Mix / Proportional
Downflow/Upflow :	Both
Adjustable cycles:	All
Time available:	Up to 999 minutes per cycle

• Additional information

Electrical rating:	12VDC, 50/60 Hz
Pressure hydrostatic:	300 psi (20 bar)
Pressure working:	20-120 psi (1.4-8.3 bar)
Temperature:	34 - 110°F (1 - 43°C)

PRE-INSTALLATION CHECKS

IMPORTANT! The following conditions for feed water supply must be met or warranty will be void and the manufacturer assumes no responsibility for damage to system or property.

Operating pressure min-max: 1.4-8.3 bar / 20-120 psi

- This appliance is configured to perform optimally at an operating pressure of 3 bar (45 psi) ±½ bar (7 psi); in case of a lower or higher operating pressure the performance may be affected negatively!
- Check water pressure regularly; it may fluctuate severely depending on the time of day, the day of the week or even the season of the year.
- Take into account that night time water pressure may be considerably higher than day time water pressure.
- Install a pressure reducer ahead of the appliance if necessary.
- Install a pressure booster, if it is likely that water pressure may drop below the minimum.

Operating Temperature min-max: 1-43 °C / 34-110 °F

- Do not install the appliance in an environment where high ambient temperatures (e.g. unvented boiler house) or freezing temperatures can occur.
- The appliance cannot be exposed to outdoor elements, such as direct sunlight or atmospheric precipitation.
- Do not install the appliance too close to a water heater; keep at least 3 m (10 ft) of piping between the outlet of the appliance and the inlet of the water heater; water heaters can sometimes transmit heat back down the cold pipe into the appliance; always install a check valve at the outlet of the appliance.

Electrical Connection

- The appliance only works on 12 VDC; always use it in combination with the supplied transformer.
- Make sure to plug the transformer into a power outlet, which is installed in a dry location, with the proper rating and over-current protection.

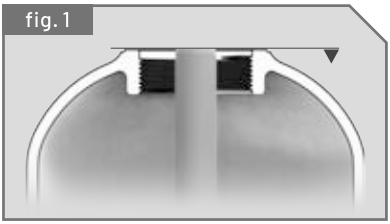
SYSTEM INSTALLATION

IMPORTANT! Locate and test the main water supply valve to the home before installing the system. If the main water supply valve fails to shut off the water completely during the test, we recommend contacting your local plumber to fix the valve before installing the system.

• Mineral tank installation

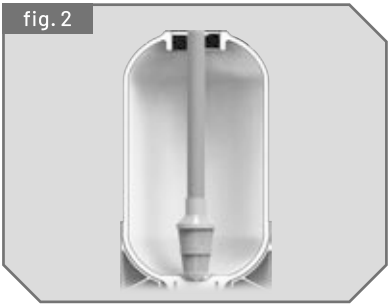
1. Cut the center tube (1.05" O.D.) flush with the top of the tank and chamfer the top. Take care to keep foreign material out of mineral tank. If purchased as a complete system, the tube has already been cut and installed (fig.1).

fig. 1



2. Insert tube with bottom distributor into the center of the mineral tank (fig.2).

fig. 2



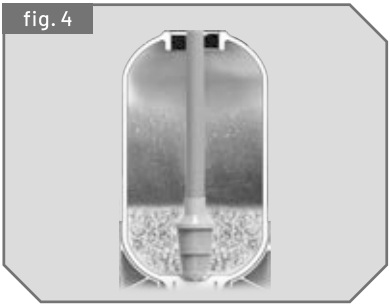
3. Quartz sand fills the bottom of the mineral tank and covers the bottom distributor. (Whether to fill quartz sand depends on the size of the mineral tank) (fig.3).

fig. 3



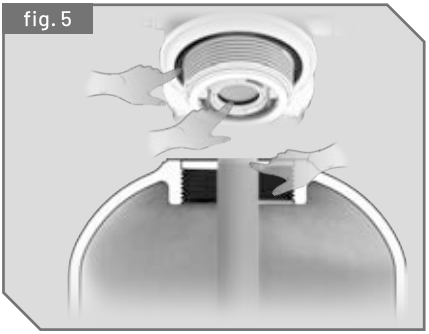
4. Fill the mineral tank with resin. Filling volume depends on the size of the mineral tank (fig.4).

fig. 4



5. Lubricate the center tube O-ring seal and tank O-ring seal and center tube mouth (fig.5).
   Note: use silicone lubricant.

fig. 5



6. Install the top distributor on the bottom of the valve, turning the basket clockwise to lock it in place (fig.6).
   If you use a stainless steel mini top distributor, the installation method is the same (fig.6.1).

fig. 6



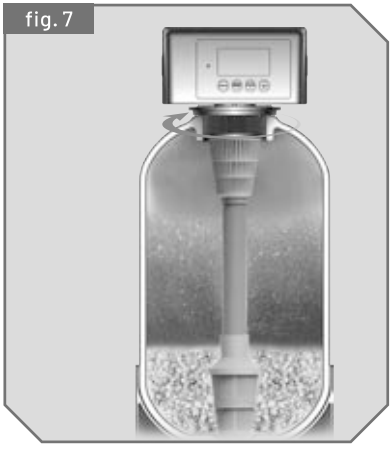
fig. 6.1



7. Place the top distributor over the center tube and push the valve on the tank. Thread the valve on the tank by turning it clockwise (fig.7).
   Be sure not to cross-thread the valve on the tank. The valve should thread easily in the tank. If not, it may be cross-threaded.

   Do not lubricate as you may over-tighten the valve.

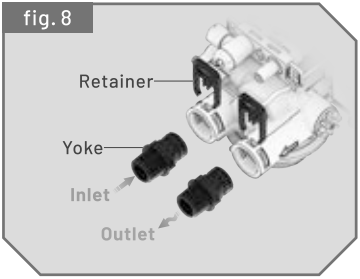
fig. 7



• Control valve installation

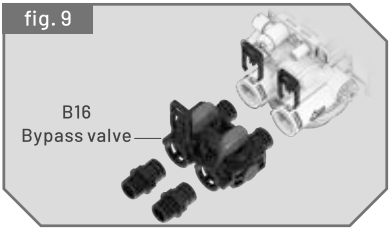
8. If there is no bypass valve configured, Installation reference (fig. 8).

fig. 8



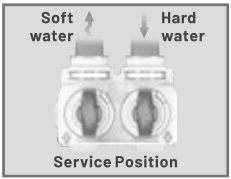
9. Install the B16 bypass valve onto the back of the control valve and secure it with the retainer. Make sure the O-ring is lubricated before connecting (fig. 9).

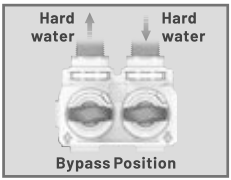
fig. 9



Before running the valve for the first time, flush out the water line and bypass.

1. Be sure the bypass is closed.
2. Turn the water source on at the inlet to the house.
3. Disconnect the bypass from the valve.
4. Put a container under the bypass and open the bypass to remove any foreign material out of the water lines.
5. Close the bypass.
6. Re-connect the bypass to the valve.
7. Open the bypass slowly, to avoid water hammering.
8. Let water flow into the pressure tank. When water flow stops, slowly open a cold water tap nearby and let water run until it runs clear and air is purged from the unit. Then close tap.
9. Check for and repair any leaks.

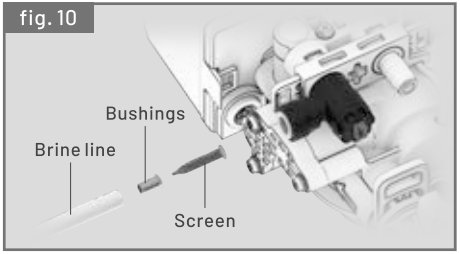




10. Brine Line Installation

Control valve brine line connection (fig. 10).

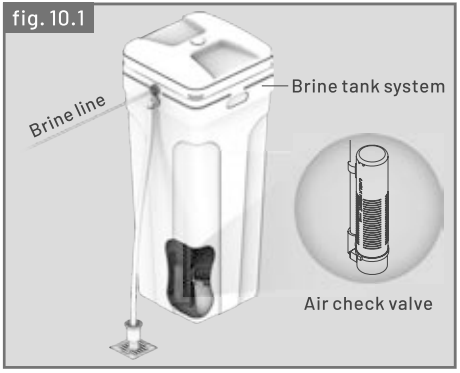
fig. 10



The other side of the brine line is connected to the brine tank system (fig. 10.1).

Ensure air check valve or safety valve is properly installed in the brine tank system (fig. 10.1).

fig. 10.1



11. Drain Line Installation

Intercept sewage pipe of appropriate length and connect to sewage connection, and fastened with a securing clip (fig. 11). The other end of the hose is connected to a suitable drainage point, such as floor drain, sink, washing basin (fig. 11.1).

fig. 11

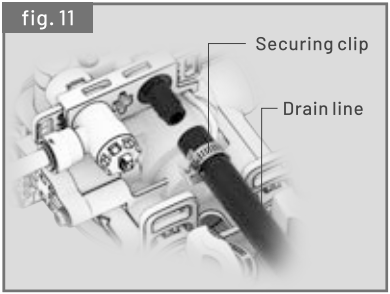
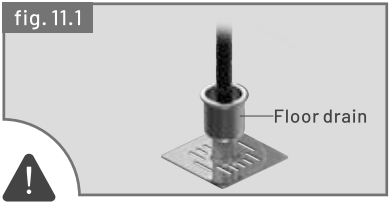


fig. 11.1



An air gap is required between the drain line and the floor drain.

This avoids a syphon effect and reverse contamination.

• Control valve installation backup power supply

1. Pull out the battery clasp
2. The battery is placed at an angle (fig. 12)
3. Snap on the battery clasp
4. The battery snaps into the slot (fig. 12.1)
5. Install the battery cover

Must use 9V alkaline battery: 6LR61

fig. 12



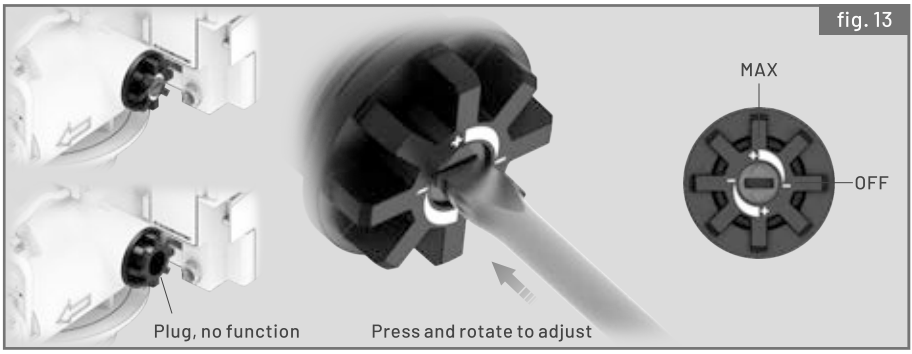
fig. 12.1



• Residual hardness regulation (If equipped with this functional accessory)

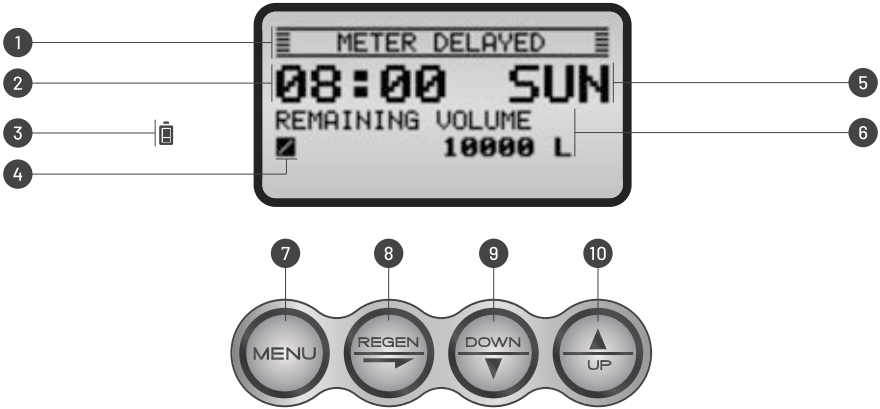
It is recommended not to supply fully decalcified water to domestic installations. To modify the residual hardness, the regulating valve must be opened gently, as indicated in the following illustrations (fig. 13).

fig. 13



SYSTEM OPERATION

Introduction to the display and functions



1. Regeneration type
2. The current time
3. LED battery lights
4. Flow indicator
5. Day of week
6. Displays information for regeneration (display varies depending on the regeneration type)
   Regeneration day override / Regeneration Time / Capacity Remaining
7. Menu button
8. Right button
9. Down button
10. Up button

SYSTEM OPERATION

Introduction to the display and functions

- **LED battery lights:**

(Blue)Battery is fully (Red)Battery is low

Blue
(flashing)

When water softener is regenerating and the adapter is powered off, the battery is detected to be sufficient, and the battery light is blue and flashing.

Red
(flashing)

When the water softener is regenerating and the adapter is powered off, the battery power is detected to be weak, the battery light is red and flashing, and the device will use the remaining power to immediately return to the service position.

- **Factory reset:**

Press and Hold the Menu button,power on.Reset all parameter to the factory settings.



SYSTEM OPERATION

Introduction to the display and functions

- **Immediate regeneration:**



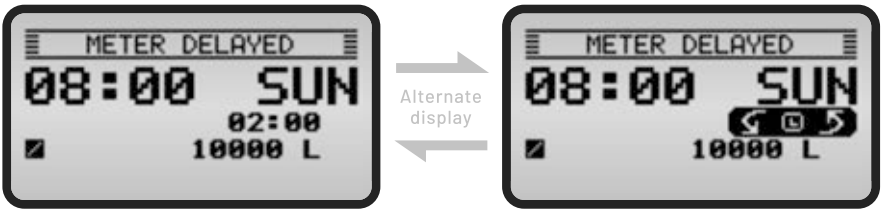
In the service interface, press and hold the right button for 5 seconds , the water softener will immediately enter regeneration.

- **Delayed regeneration:**



- In the service interface ,press the right button , and the water softener will enter the delayed regeneration state.
- This state does not need to wait for the volume or regeneration day override to run out, enters regeneration when the set regeneration time is reached.
- Press the right arrow again to cancel this state.

Delayed regeneration-screen display



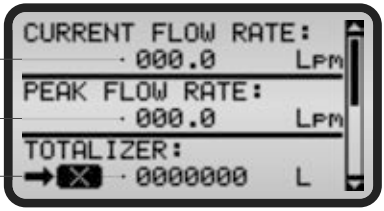
SYSTEM OPERATION

View historical information



Press and hold the Up button for 5 seconds to view historical information.

H1 Current flow rate
H2 Peak flow rate
H3 Totalizer

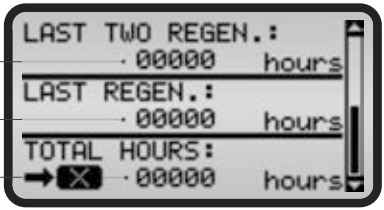


On the current page, Press the right button for 10 seconds to reset the totalizer

Page 1



H4 Last two regeneration
H5 Last regeneration
H6 Total hours

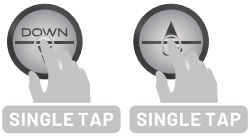


On the current page, Press the right button for 10 seconds to reset the total hours

Page 2



Press the down and up buttons to turn the page



Press and hold the Menu button for 5 seconds to exit



SYSTEM OPERATION

View historical information

H1 Current flow rate

Displays the current outlet flow rate.

Range:
0~999.9 liters per minute
0~264.1 gallons per minute

H2 Peak flow rate

Displays the highest flow rate measured since the last regeneration.

Range:
0~999.9 liters per minute
0~264.1 gallons per minute

H3 Totalizer

Displays the total volume of treated water that passes through a meter.

Range:
0~9999999 liters
0~2641728 gallons

H4 last two regenerations

Displays the hours between the last two regenerations.

Range:0~65535 hours

H5 last regenerations

Displays the hours since the last regeneration.

Range:0~65535 hours

H6 Total hours

Displays the total hours has been in service.

Range:0~65535 hours

SYSTEM OPERATION

System programming



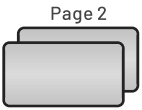
Press and hold the Down and Up buttons at the same time for 5 seconds to enter the system programming.

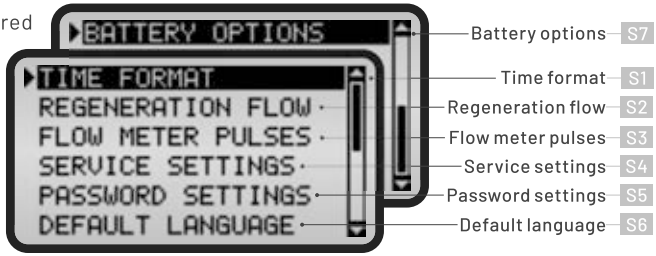


Enter your password (Password required)

Password=1,2,3,4,5,6 (default)

Once the password is entered correctly, enter the system programming

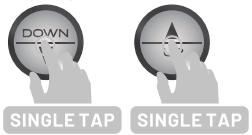




Press the right button to enter the submenu settings option



Press the down and up buttons to select the option you want to set



Press and hold the Menu button for 5 seconds to exit the system programming



SYSTEM OPERATION

System programming

In system programming mode, the button functions



Move down or decrement the number

SINGLE TAP



Move up or increment the number

SINGLE TAP



Move to the right (Cycle movement) or OK

SINGLE TAP



Return

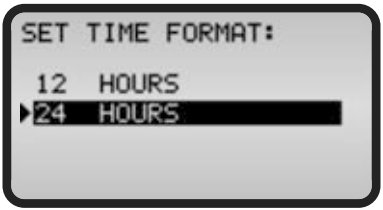
SINGLE TAP



Save to exit

HOLD TIME

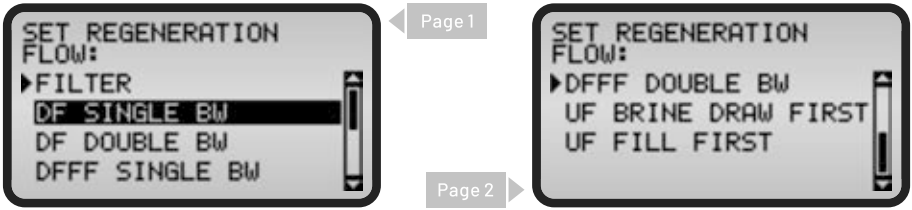
S1 Set time format



Default: 24-Hour

Options:
[12-Hours AM/PM]
[24-Hour]

S2 Set the direction of water flow during regeneration

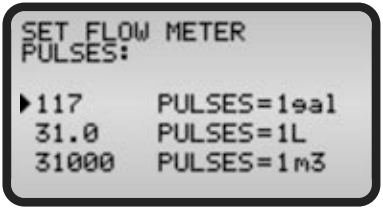


Default: DF SINGLE BW (Downflow, Single Backwash)
Options: [FILTER] [DF SINGLE BW] [DF DOUBLE BW] [DFFF SINGLE BW]
[DFFF DOUBLE BW] [UF BRINE DRAW FIRST] [UP FILL FIRST]

Note :
That some Regeneration flow require that the valve be built with specific subcomponents. Ensure the valve is configured properly before changing the Regeneration flow setting.

Regeneration flow	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Cycle 5	Cycle 6
FILTER (Filter)	Back Wash	Rapid Rinse	-	-	-	-
DF SINGLE BW (Downflow, Single Backwash)	Back Wash	Brine Draw	Rapid Rinse	Water Refill	-	-
DF DOUBLE BW (Downflow, Double Backwash)	Back Wash	Brine Draw	Back Wash	Rapid Rinse	Water Refill	-
DFFF SINGLE BW (Downflow, Refill First,Single Backwash)	Water Refill	Brine Making	Back Wash	Brine Draw	Rapid Rinse	-
DFFF DOUBLE BW (Downflow, Refill First,Double Backwash)	Water Refill	Brine Making	Back Wash	Brine Draw	Back Wash	Rapid Rinse
UF BRINE DRAW FIRST (Upflow, Brine Draw First)	Brine Draw	Back Wash	Rapid Rinse	Water Refill	-	-
UF FILL FIRST (Upflow, Refill First)	Water Refill	Brine Making	Brine Draw	Back Wash	Rapid Rinse	-

S3 Set the number of pulses per unit volume of the flow rate



Default:
117 pulses for 1 gallon
31 pulses for 1 liter
31000 pulses for 1 M^3

Range:
1~999 pulses (gallon)
0.1~99.9 pulses (liter)
100~99900 pulses (M^3)

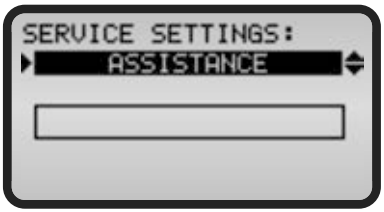
S4 Set service information



Default: OFF



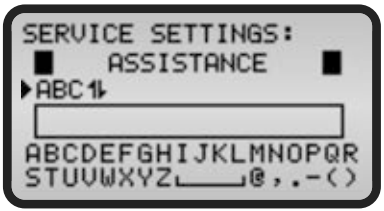
Set [ON]



Preview



Set

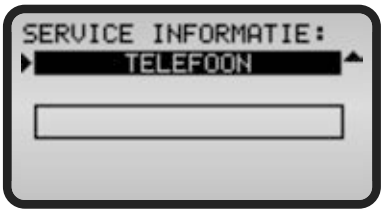


Uppercase characters



Lowercase characters

ASSISTANCE INFORMATION

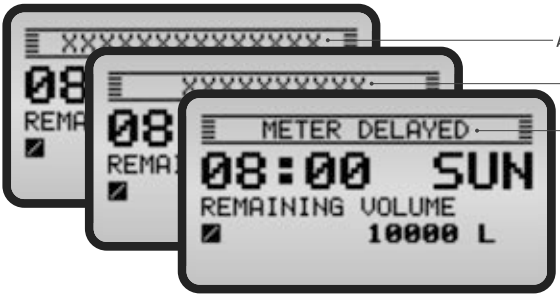


Preview

Set



TELEPHONE



Alternate display

Service information-screen display

S5 Set system programming and user programming passwords



Default: 1,2,3,4,5,6

Preview

Set



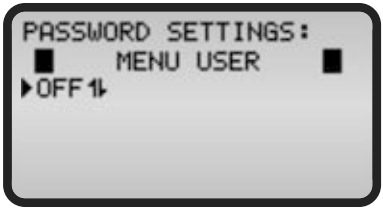
SYSTEM PROGRAMMING PASSWORD



Default: OFF

Preview

Set



Set [OFF]



Set [ON]

NOTE:
After the user programming password function is turned on, if you enter user programming, you will need to enter the password to access the main menu.

Set

USER PROGRAMMING PASSWORD

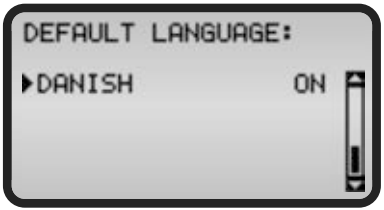
S6 Set the default display language visible in user programming



Page 1



Page 2

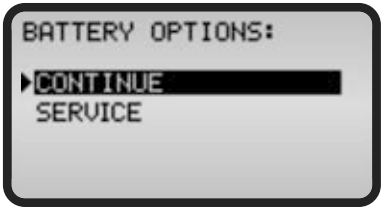


Page 3

Default: All languages display on

Options:
[ON][OFF]

S7 Set battery options



Default: Continue
Options: [CONTINUE][SERVICE]

- **[CONTINUE]**
During the control valve regeneration process, if the power is off, the battery will support the system to continue to operate and complete a complete regeneration process.

- **[SERVICE]**
During the control valve regeneration process, if the power is off, the battery will support the system to immediately run to the service position.

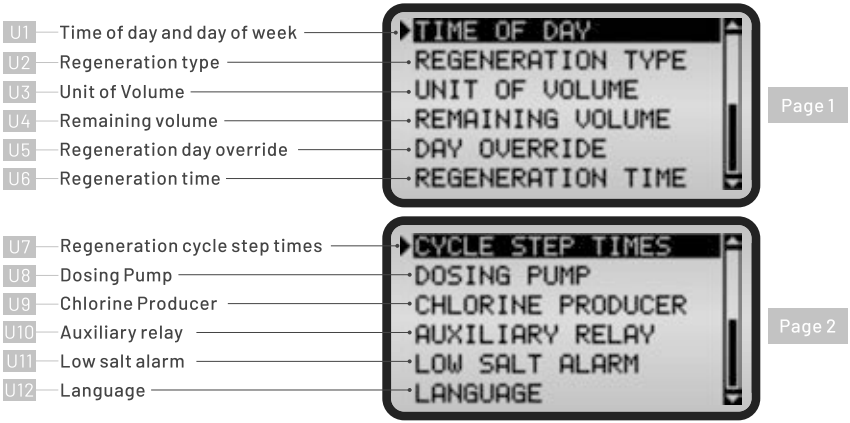
SYSTEM OPERATION

User programming

Note! If user-programmed password protection is enabled, you will need to enter the password to access the Main Menu.



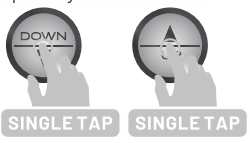
Press and hold the Menu button for 5 seconds to enter user programming.



Press the right button to enter the submenu settings option



Press the down and up buttons to select the option you want to set



Press and hold the Menu button for 5 seconds to exit the user programming



SYSTEM OPERATION

User programming

In user programming mode, the button functions



Move down or decrement the number



Move up or increment the number



Move to the right (Cycle movement) or OK



Return



Save to exit

U1 Set the current time and day of the week

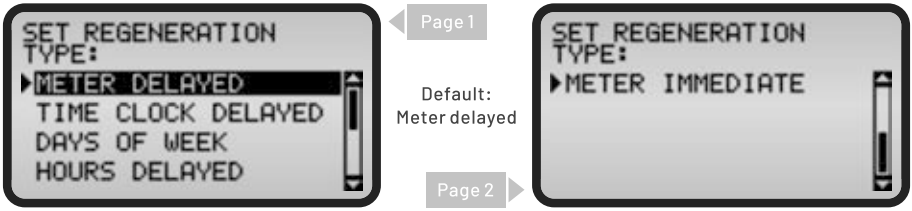


Current time

Day of the week

Default: 08:00 SUN

U2 Set regeneration type



- **Meter delayed control**

A Meter delayed control measures water usage and regenerates the system at the programmed regeneration time after the calculated system capacity is depleted.

- **Time clock delayed control**

A Time clock delayed control regenerates the system on a timed interval. The control will initiate a regeneration cycle at the programmed regeneration time when the number of days since the last regeneration equals the regeneration day override value.

- **Day of the week control**

This control regenerates the system on a weekly schedule. The schedule is defined in Master Programming by setting each day to either "off" or "on." The control will initiates a regeneration cycle on days that have been set to "on" at the specified regeneration time.

- **Hours delayed control**

This control regenerates the system triggers regeneration within 12 hours at the set regeneration time.

- **Meter immediate control**

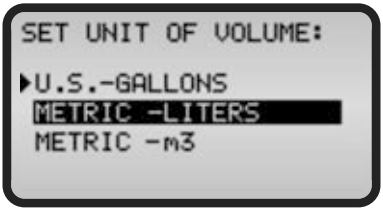
A meter immediate control measures water usage and regenerates the system as soon as the system capacity is depleted.

- **Proportional regeneration control**

This control regenerates the system exhausted resin according to the water usage . This can keep the resin fully effective . At the same time , salt and water can be saved.

Note: This control regenerates is only available if the valve regeneration flow direction is Refill First.

U3 Set unit of volume



Default: Metric - liters

Options:
[U.S .- Gallons]
[Metric - liters]
[Metric - cubic meter]

U4 Set remaining volume



Default: 10000L

Range: 1~99999 gallons
1~999999 liters
0.01~999.99 M^3

U5 Set regeneration day override

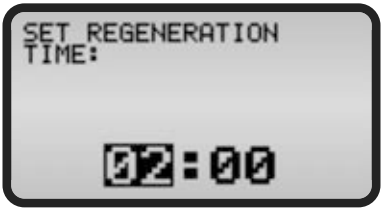
NOTE: If the regeneration day override turned on, it is a mixed regeneration mode, also known as holiday mode.
The volume and days are recorded at the same time. If any one of them meets the regeneration conditions, the regeneration will start.



Default: OFF

Range:
01~99 days
or OFF

U6 Set regeneration time



Default: 02:00

U7 Set regeneration cycle step times

The displays in below will be changed according to the brine flow direction set.



Preview

Set



Default: 10 minutes
Range: 1~999 minutes

BACK WASH



Preview

Set



Default: 60 minutes
Range: 0~999 minutes

BRINE DRAW



Preview

Set



Default: 12 minutes
Range: 0~999 minutes

RAPID RINSE



Preview

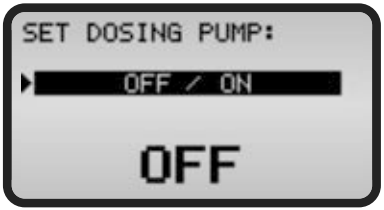
Set



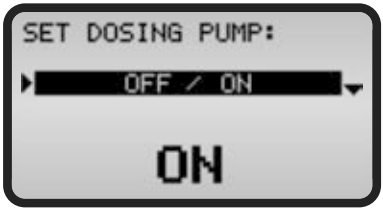
Default: 10 minutes
Range: 0~999 minutes

WATER REFILL

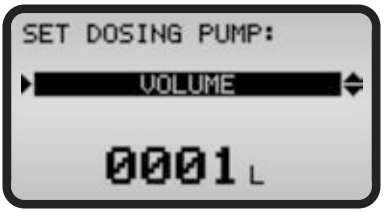
U8 Set Dosing pump



Default: OFF

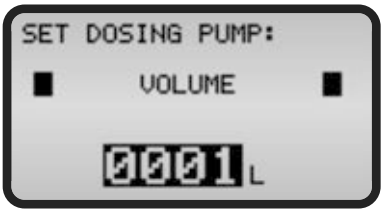


Set [ON]



Preview

Set

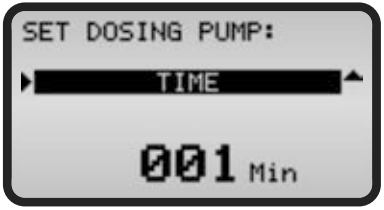


Range: 1~999 gallons
1~9999 liters
0.01~9.99 M^3

SET THE USED VOLUME TO TRIGGER THE DOSING PUMP TO START

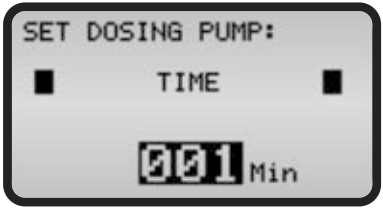
SYSTEM OPERATION

User programming



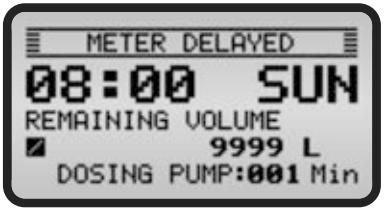
Preview

Set



Range: 1~999 minutes

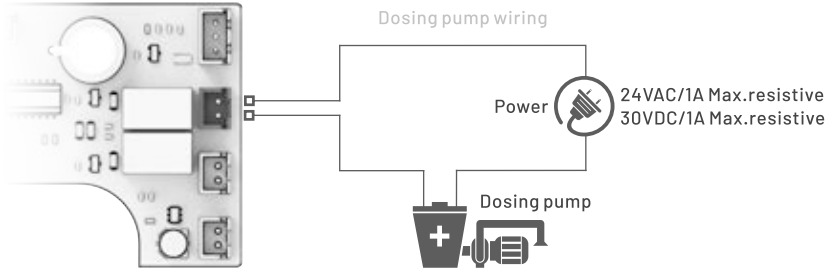
SET DOSING PUMP RUNNING TIME



Dosing pump operating status-screen display

For example:
when using a volume of 1 litre of water, the dosing pump will run for 1 minute.

Dosing pump wiring



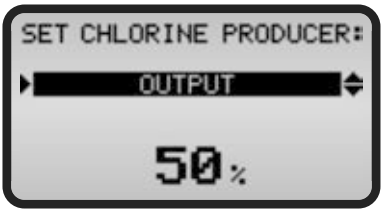
U9 Set Chlorine Producer



Default: OFF

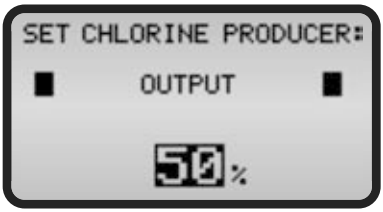


Set [ON]



Preview

Default: 50%
Range: 1%~100%



Set

SET CHLORINE PRODUCER OUTPUT

SYSTEM OPERATION

User programming



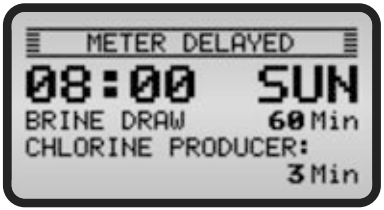
Preview

Set



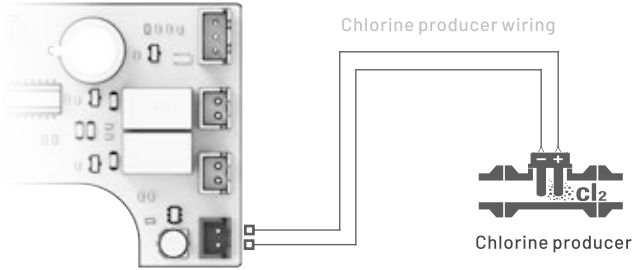
Range: 1 minute~According to the maximum time of Brine Draw

SET CHLORINE PRODUCER RUNNING TIME



Chlorine producer operating status-screen display

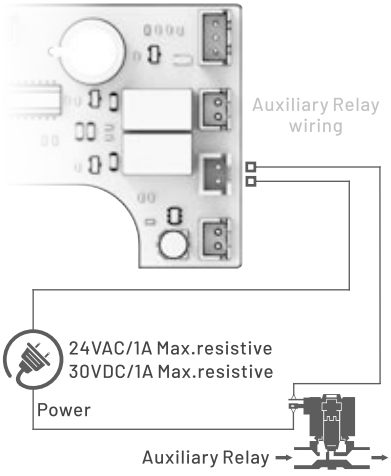
For example:
When the valve is in Brine draw ,
Chlorine producer will run for 3 minutes.



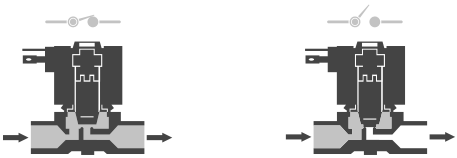
U10 Set Auxiliary Relay



Default: Normally Closed
Options: [Normally Closed]
[Normally Open]

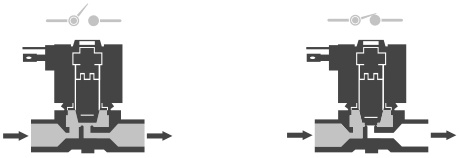


When the water softener is in the service position, the solenoid valve is energized and opened.
When the water softener is in the regenerative position, the solenoid valve is de-energized and closed.



Normally closed solenoid valve

When the water softener is in the service position, the solenoid valve is de-energized and opened.
When the water softener is in the regenerative position, the solenoid valve is energized and closed.



Normally open solenoid valve

U11 Set Low salt alarm



Default: OFF

Displays the amount of salt remaining

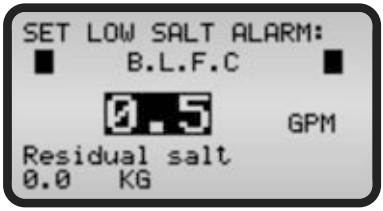


Set [ON]



Preview

Set



Default: 0.5 GPM
Options: [0.125] / [0.25] / [0.5] / [1.0]

BRINE LINE FLOW CONTROLS



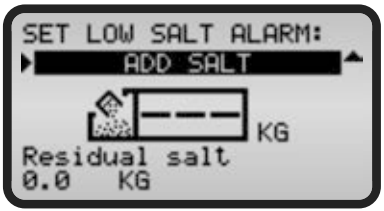
Preview

Set



Default: KG
Options: [KG] / [LBS]

UNIT OF SALT



Enter the amount of salt to add

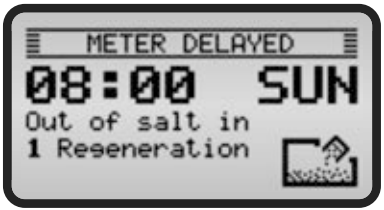


Range: 1~453 KG
2~999 LBS

AMOUNT OF ADDED SALT

When the low salt alarm function is turned on:

- When the amount of remaining salt meets only one regeneration, a low salt alarm will be triggered.
- After the alarm is triggered, the buzzer will sound from 9 a.m. to 11 a.m and from 2 p.m. to 9 p.m .
- When the buzzer alarm sounds, when the screen back light is on, press any button to cancel the sound.(However, the second day will still ring during the specified time period).



Low salt alarm-screen display

NOTE: In addition to the parameters that need to be set for the initial salt addition, every time you add salt in the future, you can directly enter the salt addition interface to enter the actual salt weight.

U12 Set Language

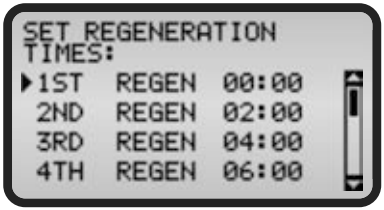


Default: English
Options:
[English][Deutsch][French][Italian][Spanish]
[Russian][Polski][Dutch][Danish]

This option will display the available languages according to the default language in the system programming.

If the regeneration type is set to Hours delayed

Set regeneration times

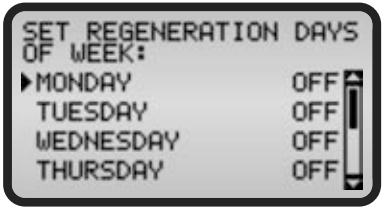


Default:
12 cycles regeneration every 24 hours.

Close any regeneration time except first line, others will be closed.

If the regeneration type is set to Days of week

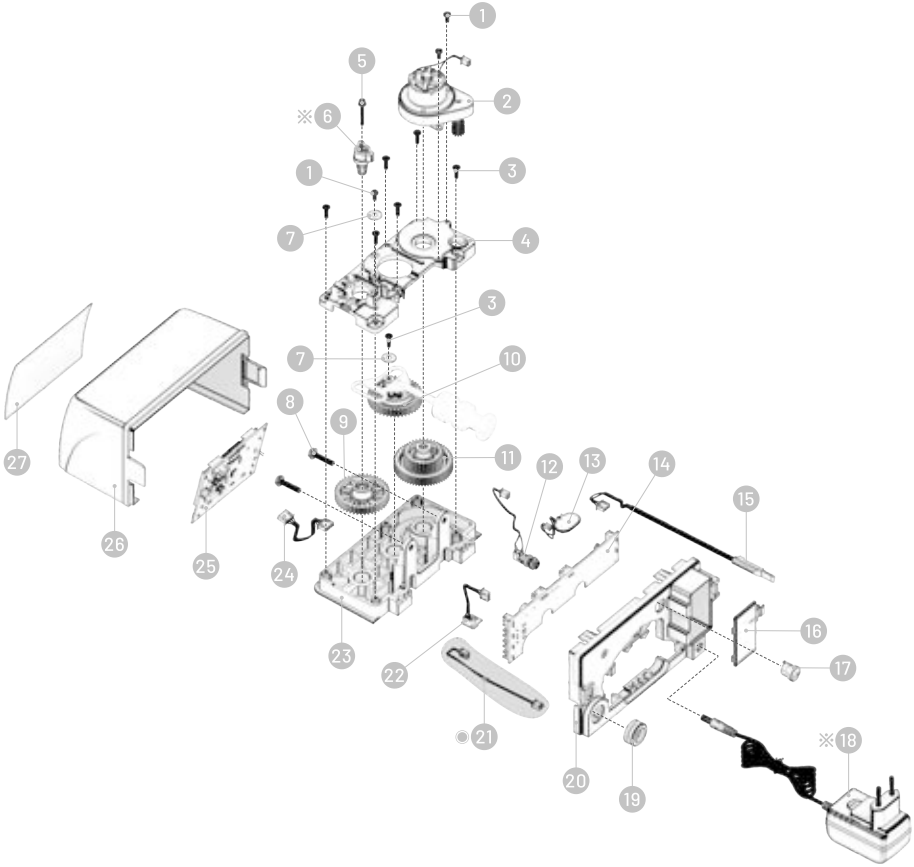
Set regeneration days of week



Default:
- Monday Off
- Tuesday Off
- Wednesday Off
- Thursday Off
- Friday Off
- Saturday On
- Sunday On

CONTROL DRIVE ASSEMBLY

◉ Components for option
※ Customized specification



CONTROL DRIVE ASSEMBLY

Control drive assembly list

◉ Components for option
※ Customized specification

No.	Part No.	Description
1	24257231	Screw, motor
2	G1825E03	Motor,12VDC
3	H335W02	Screw, mounts
4	G1525S27	Mounts, gears
5	G2425W09	Screw, cam
※6		Cam, brine
7	G1625B02	Washer
8	24257030	Screw
9	G1525S24	Gear, brine
10	G1525S23	Gear, main
11	G1525S22	Gear, drive
12	G1825E07	Harness assembly, power supply
13	G1825E08	Harness assembly, battery
14	G1825E05	Circuit board, control
15	G1825E01	Harness assembly, flow meter
16	G1525S31	Battery cover
17	G1525S34	Strain relief
※18		Power adapter,12VDC,1A
19	G2125M08	Coil guard
20	G1525S29	Back plate
◉21	G1825E10	Harness assembly, chlorine producer
22	G1825E06	Harness assembly, optical sensor
23	G1525S28	Bracket assembly
24	G1825E09	Harness assembly, control and display
25	G1825E04	Circuit board, display
26	G1525S30	Front cover
27	G2345Y01	Label, display

CONTROL DRIVE ASSEMBLY

Control drive accessories

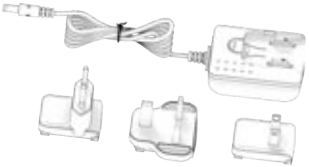
6 Cam, brine

G1525S25.....Cam, brine, Downflow,black
G1525S37.....Cam, brine, Downflow,
Refill first,blue
G1525S26.....Cam, brine Upflow,white

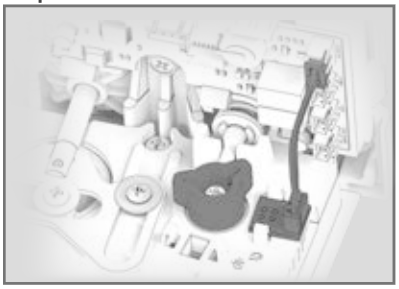
Regeneration flow	Cam, brine
FILTER	No need to install
DF SINGLE BW	
DF DOUBLE BW	
DFFF SINGLE BW	
DFFF DOUBLE BW	
UF BRINE DRAW FIRST	
UF FILL FIRST	

18 Power adapter,12VDC,1A

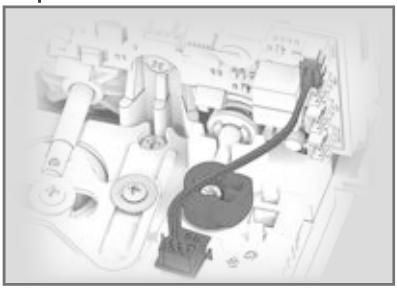
G1825E11.....Power adapter body ,12VDC,1A
G1825E11-1.....Power adapter plug, US(CN)
G1825E11-2.....Power adapter plug, EU
G1825E11-3.....Power adapter plug, BS



Downflow
Optical sensor installation location

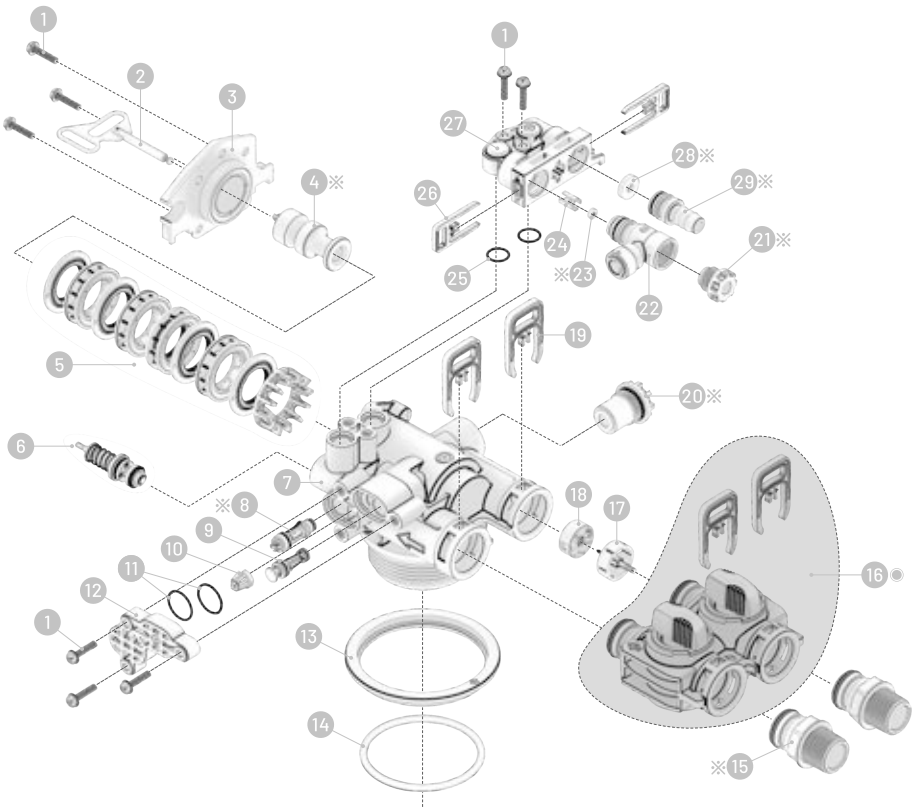


Upflow
Optical sensor installation location



CONTROL VALVE ASSEMBLY

◉ Components for option
※ Customized specification



CONTROL VALVE ASSEMBLY

Control valve assembly list

◉ Components for option
※ Customized specification

No.	Part No.	Description
1	24257030	Screw
2	G2360A01	Piston rod assembly
3	G2360A02	End plug assembly
※4		Piston assembly
5	G2360A05	Seal and spacer kit assembly
6	G2360A06	Brine stem assembly
7	G1525S01	Valve body assembly
※8		Nozzle and throat assembly
9	15257237	Injector plug assembly
10	G1525S08	Screen
11	G2125M02	O-Ring,injector cap
12	G1525S03	Injector cap
13	G1525S35	Fixing ring
14	21257232	O-Ring,tank
※15		Yoke
◉16	G2360A09	Bypass valve
17	G2360A10	Bracket assembly ,impeller
18	G2360A11	Impeller assembly
19	15257088	Retainer
※20		Plug Assy. or Mixing valve Assy.
※21		Plug Assy. or Chlorine producer Assy.
22	G2360A16	Quick connection assembly, 3/8"
※23		B.L.F.C.
24	15257035	Retainer, B.L.F.C.
25	G2125M01	O-Ring, cover
26	G1525S16	Retainer, cover
27	G1525S02	Cover, connectors
※28		D.L.F.C.
※29		Sewage connection assembly

CONTROL VALVE ASSEMBLY

Control valve accessories

4 Piston assembly

23557005.....Piston assembly,Downflow
23557016.....Piston assembly,Upflow



23557005



23557016

8 Nozzle and throat assembly

23557018-6.....000#,Brown
23557018-5.....00#,Violet
23557018-4.....0#,red
23557018.....1#,white
23557018-1.....2#,blue
23557018-2.....3#,yellow
23557018-3.....4#,green



15 Yoke

15257120.....1" NPT,90 deg.
15257121.....3/4" NPT,90 deg.
15457102.....1" BSP,90 deg.
15457101.....3/4" BSP,90 deg.
15457230.....1" NPT
15457229.....3/4" NPT
15257084.....1" BSP
15257085.....3/4" BSP



20 Plug Assy. or Mixing valve Assy.

G2360A13.....Plug assembly, no mixed water
G2360A12.....Mixing valve ,assembly



G2360A13



G2360A12

21 Plug Assy. or Chlorine producer Assy.

G1525S20.....Plug assembly, no Chlorine producer
G2360A15.....Chlorine producer assembly



G1525S20



G2360A15

CONTROL VALVE ASSEMBLY

Control valve accessories

23 Brine line flow Controls (B.L.F.C.)

21247006.....B.L.F.C. , 0.125 gpm
21247021.....B.L.F.C. , 0.25 gpm
21247005.....B.L.F.C. , 0.5 gpm
21247022.....B.L.F.C. , 1.0 gpm



28 Drain line flow Controls (D.L.F.C.)

21257275.....D.L.F.C., 1.2 gpm
21247013.....D.L.F.C., 1.5 gpm
21247012.....D.L.F.C., 2.0 gpm
21247011.....D.L.F.C., 2.4 gpm
21247010.....D.L.F.C., 3.0 gpm
21247009.....D.L.F.C., 3.5 gpm
21247008.....D.L.F.C., 4.0 gpm
21247014.....D.L.F.C., 5.0 gpm
21247007.....D.L.F.C., 7.0 gpm



29 Sewage connection assembly

G1525S17.....Hose barb (1/2" I.D.)
G1525S39.....Hose barb, Elbow, 90 Deg.(1/2" I.D.)

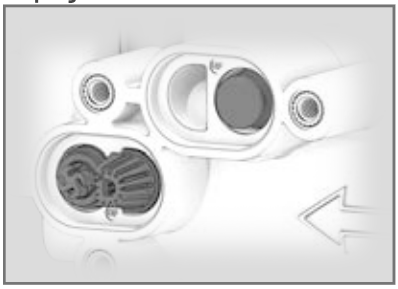


G1525S17

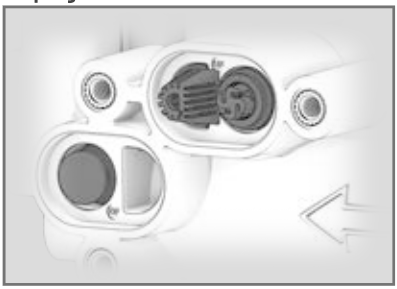


G1525S39

Downflow-Nozzle and throat \ injector plug\screen installation location



Upflow-Nozzle and throat \ injector plug\screen installation location



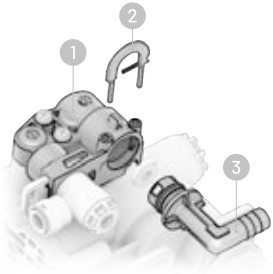
CONTROL VALVE ASSEMBLY

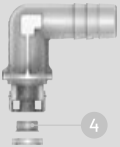
Control valve accessories

◉ Components for option
※ Customized specification

• GZ2Max Valve Assembly

1.....G1525S38.....Cover, connectors, GZ2Max
2.....15257251.....Retainer, cover
※3.....15257239.....Hose barb, Elbow, 90 Deg.(1/2" I.D.)
15257240.....Hose barb, Elbow, 90 Deg.(3/4" I.D.)
15457232.....Female thread, Standard, 1/2" BSP
15457232–1.....Female thread,Large,1/2" BSP
15457232–2.....Female thread, Standard, 1/2" NPT
15457232–3.....Female thread,Large,1/2" NPT
15457233.....External thread, Standard, 3/4" NPT
15457233–1.....External thread,Large,3/4" NPT
◉ 4.....11257282.....Bushing, D.L.F.C.



15257239	15257240	15257240	15457232 15457232-2	15457232-1 15457232-3	15457233	15457233-1
						
Install D.L.F.C. (1.2~7.0)	Install D.L.F.C. (9.0~15.0)	Install D.L.F.C. (1.2~7.0)	Install D.L.F.C. (1.2~7.0)	Install D.L.F.C. (9.0~15.0)	Install D.L.F.C. (1.2~7.0)	Install D.L.F.C. (9.0~15.0)

• Drain line flow Controls (D.L.F.C.), 9.0~15.0 gpm

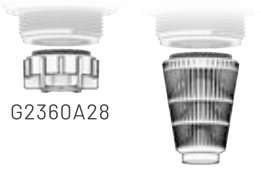
21257229.....D.L.F.C., 9 gpm
21257228.....D.L.F.C., 10 gpm
21257227.....D.L.F.C., 12 gpm
21257226.....D.L.F.C., 15 gpm



CONTROL VALVE ASSEMBLY

Control valve accessories

- **Top distributor**



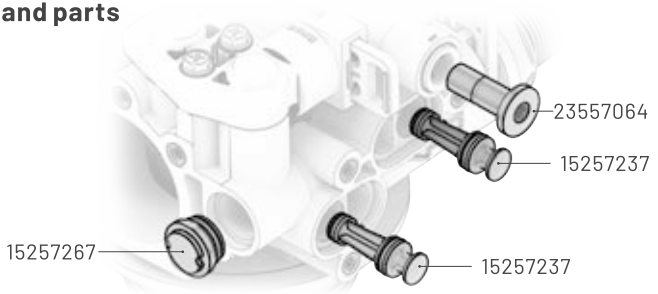
G1525S33.....Top distributor, thread
G2360A28.....Stainless steel mini top distributor, thread

- **Bushings and Screen**



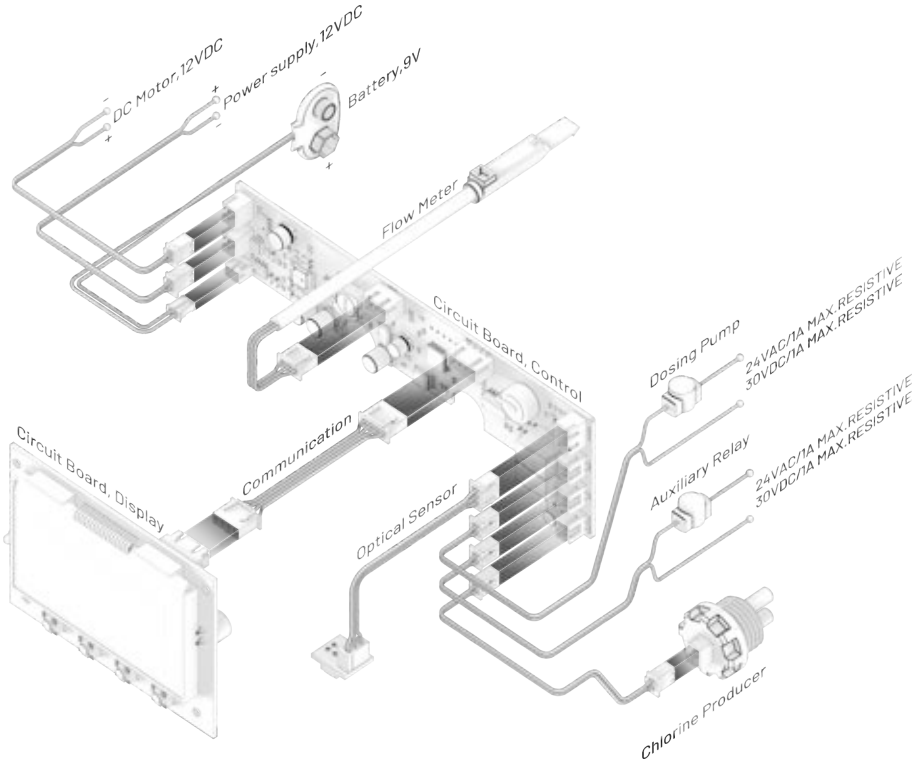
11257004.....Bushings
24257023.....Screen, Brine Line

Filter -installation and parts



23557064.....Plug, Brine Line
15257267.....Plug assembly, Brine Valve
15257237.....Injector plug assembly

SYSTEM WIRING DIAGRAM



DETECTED ERROR [0]



Probable Cause:

- The control circuit board has failed
- The wrong adapter is used
- The Optical Sensor module has failed

Recover and resetting:

Unplug the device from the power source, and when the device returns to power, the screen display code clears.

If the condition that caused the error has not been resolved, the error code will reappear on the screen. Do not attempt to further resolve this issue.


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