

AUTOMATIC WATER SOFTENER CHRONOMETRIC

Series GIX

TECHNICAL FEATURES

	GIX5	GIX8	GIX12
Width [mm]:	230	250	285
Depth [mm]:	380	480	425
Height [mm]:	515	540	650
Weight [Kg]:	11	12	15
Cylinder capacity : [l]:	5	8	12
Liters of resin [l]:	3.5	5.5	9

Nominal flow rate at 4 bar:..	1500 l/h
Room temperature:	Min 4°C Max 35°C
Feed water temperature	Min 6°C Max 25°C
Pressure of feed water:	0,2 ÷ 0,8 MPa (2 ÷ 8 bar)
Power supply:	INPUT: 230V 50/60 Hz standard 120V 60 Hz optional
Absorbed power:	4 W



SETTINGS

The GIX chronometric softner series features the Logix 740 valve.

Thanks to their user-friendly approach, they can easily be set. They have 4 buttons that are used to set current time, regeneration time, the days on which regeneration shall be carried out or the number of days elapsing between two regeneration cycles.

Once set, this chronometric softener will automatically carry out the regeneration cycles.

When operating, it displays current time and day as well as the days on which regeneration is scheduled.

During a regeneration cycle, the displays shows time to completion as well as the stage it is in.

The information displayed can be locked so as to avoid hazardous data modification.

INSTALLATION INSTRUCTIONS:

We suggest installing the equipment:

A-NON-RETURN VALVE

B-OUTLET TAP

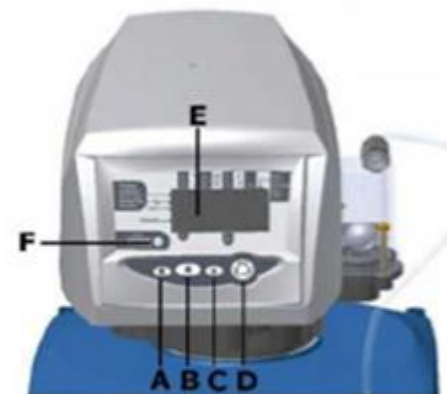
C-BY-PASS TAP

D-INLET TAP

E-OVERFLOW PIPE

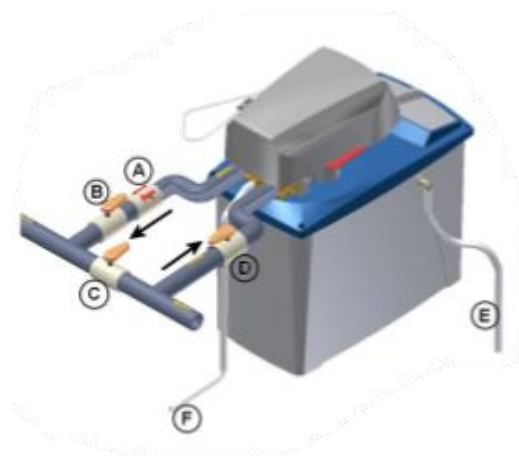
F-UNLOADING PIPE

Install on the water outlet a check valve (A) (DVGW, DIN 1988 T2) to protect the water softener from a reverse flow of hot water that could cause damage.



Key to program the Logix 255 Autotrol valve:

- A - DOWN BUTTON
- B - SET BUTTON
- C - UP BUTTON
- D - REGENERATION BUTTON
- E - LCD DISPLAY
- F - LED SALT ALARM



CHOOSING THE PLACE OF INSTALLATION:

Waste water resulting from the regeneration must be funneled into the floor sink by the flexible pipe.

If the floor sink is placed higher than the water softener, the maximum height acceptable is 1.8 metres, provided that the pipe is not longer than 5 metres and the pressure of the water system is at least 2.8 bar

If the water softener is near a boiler, check that the pipes and the water softener itself are not subjected to overheating. If possible, install a pipe that keeps a few meters' distance (at least 3) between the outlet of the water softener and the inlet of the boiler.

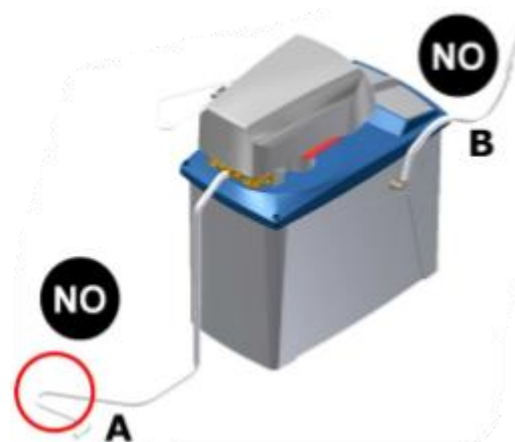
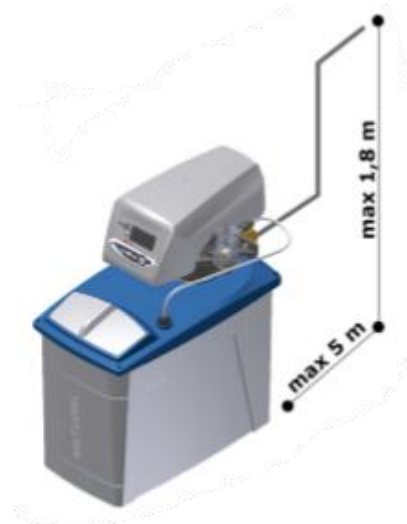
Keep away from corrosive or acid products.

CONNECTION TO THE DRAIN SYSTEM (A).

The drain pipe is not flattened or bent, as water should flow without impediments.

THE OVERFILL PROTECTION PIPE (B)

Insert flexible pipe in the quick joint, then connect the pipe to a floor sink that must be placed under the quick joint, because the water that may come out will not be pressurized .



ELECTRIC AND ELECTRONIC COMPONENTS:

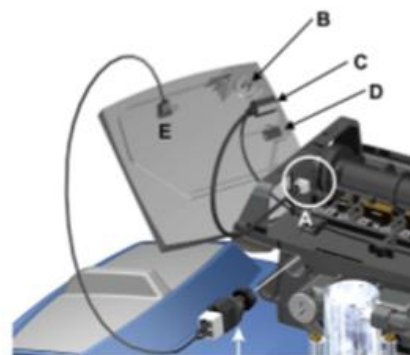
A-OPTICAL SENSOR

B-AC ADAPTER INPUT

C-MAIN MOTOR & OPTICAL SENSOR

D-VOLUMETRIC TURBINE INPUT

E-CHLORINE GENERATOR OUTLET



Chlorine generation

RESIN STERILIZATION AND SALT ALARM (OPTIONAL)

The GIX series chronometric softeners can be equipped, upon request, with an optional device for resin sterilization.

Such device is installed in the body of the valve and connected to the timer connector.

Once installed, the timer will start it during a regeneration cycle.

Such device uses salt so as to carry out resin disinfection.

If salt is not present, the device will not start. Once the regeneration cycle is over, an orange led light will turn on – this means that salt shall be added in brine.



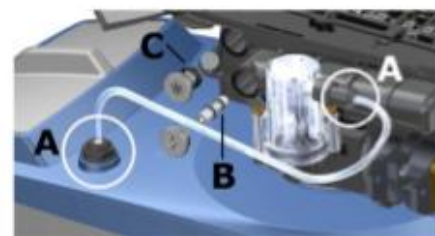
Chlorine generation mounted



Valve without optional disinfection

MAINTENANCE FOR THE INSTALLER:

For the equipment to work in optimal conditions, we suggest performing the following operations periodically: Clean the injector (fig. 6, B), its filter (fig. 6, D) and the brine control (fig. 6,C) at least once a year



lack of maintenance can cause the softener to malfunction

The filling of the brine (obstructed ejector) and the lack of suction of the brine (air infiltration in the rapid connections) are the problems that could occur due to lack of maintenance by the installer.



FOR THE USER:

Maintenance for the user only consists in refilling the brine periodically with sodium chloride (NaCl, common salt). If salt is lacking, the water softener will not be able to soften the water.



AMOUNT OF SALT:		GIX5	GIX8	GIX12
Salt of rigeneration	[kg]	-0,6	1	1,5
Salt in the brine tank	[kg]	10	20	25

LITRES OF SOFT WATER BASED ON WATER HARDNESS						
°f	20	30	40	50	60	Cyclic Capacity m ³ .°f
°d	11	16	22	28	33	
ppm CaCO ₃	200	300	400	500	600	
GIX 5	1050	700	525	420	350	21
GIX 8	1680	1120	840	672	560	33.6
GIX 12	2520	1680	1260	1008	840	50.4

