Inverter Salt Chlorinator

Installation Instructions





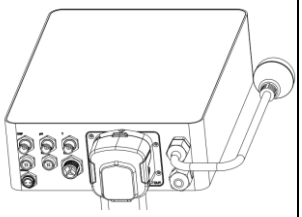
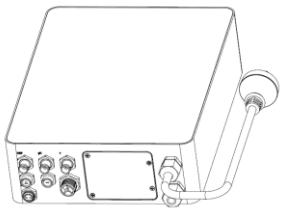
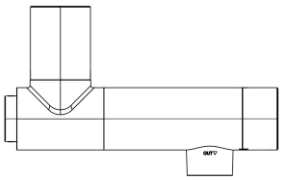
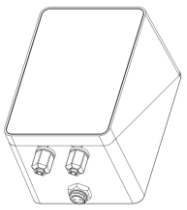
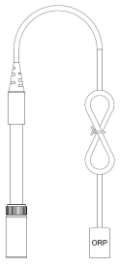
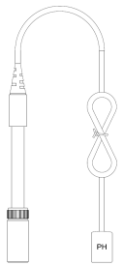
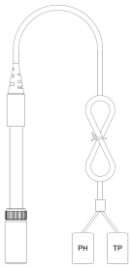
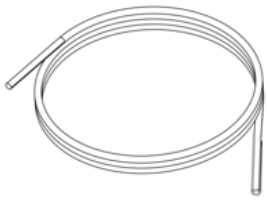
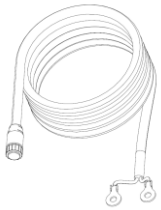
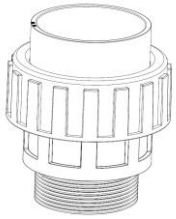
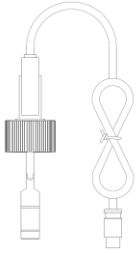
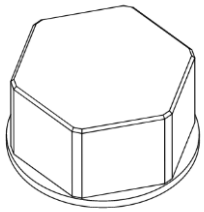
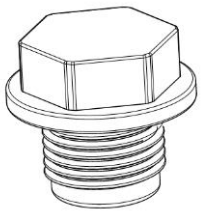
Mr. Pure

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1 Product Introduction

1.1 Components

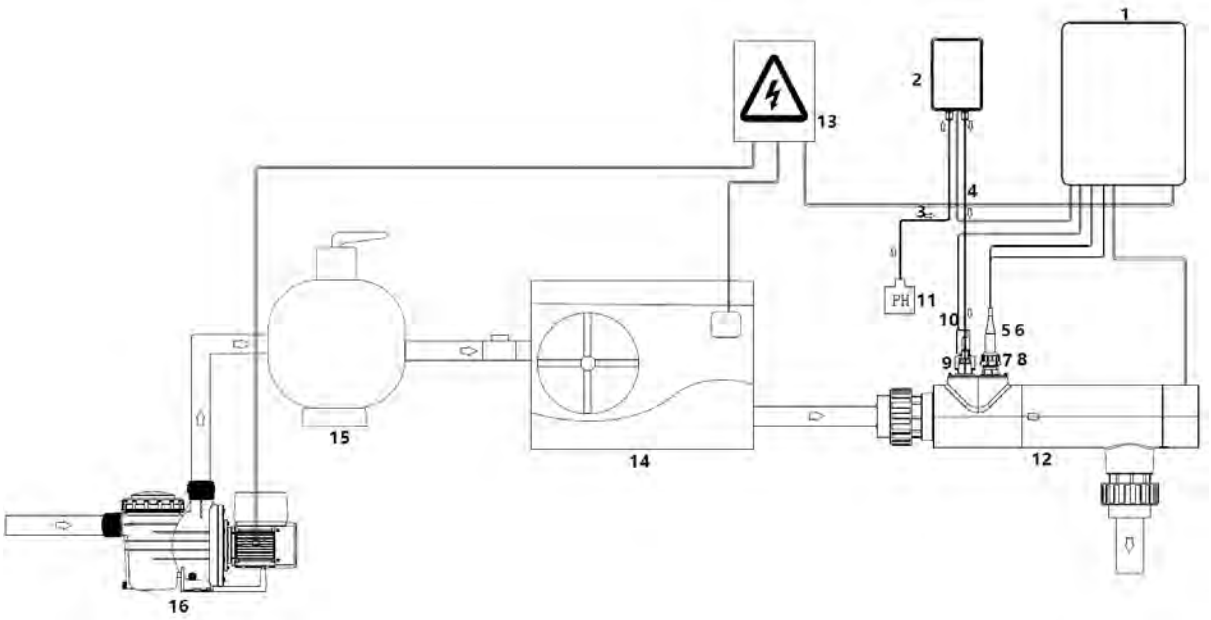
Control Unit With Doser 	Control Unit With External Doser 	Electrolytic Cell (with electrodes) 	External Doser (Optional) 
ORP Probe (Optional) 	pH Probe (Optional) 	pH Probe with TEMP (Optional) 	Acid Tube 2+3m 
Cell Cable 3m 	Cell Unions x2 	Tape x1 	Plugs & Screws x4 
Zip Tie 	Injector Valve 	Probe Mounting Assembly 	Flow Switch 
Flow Switch Cap 	Probe Cap 		

2 Installation Diagram

NOTE:

※ The electrical connections at cell-level must not point upwards, to avoid any deposits of water or humidity on them.

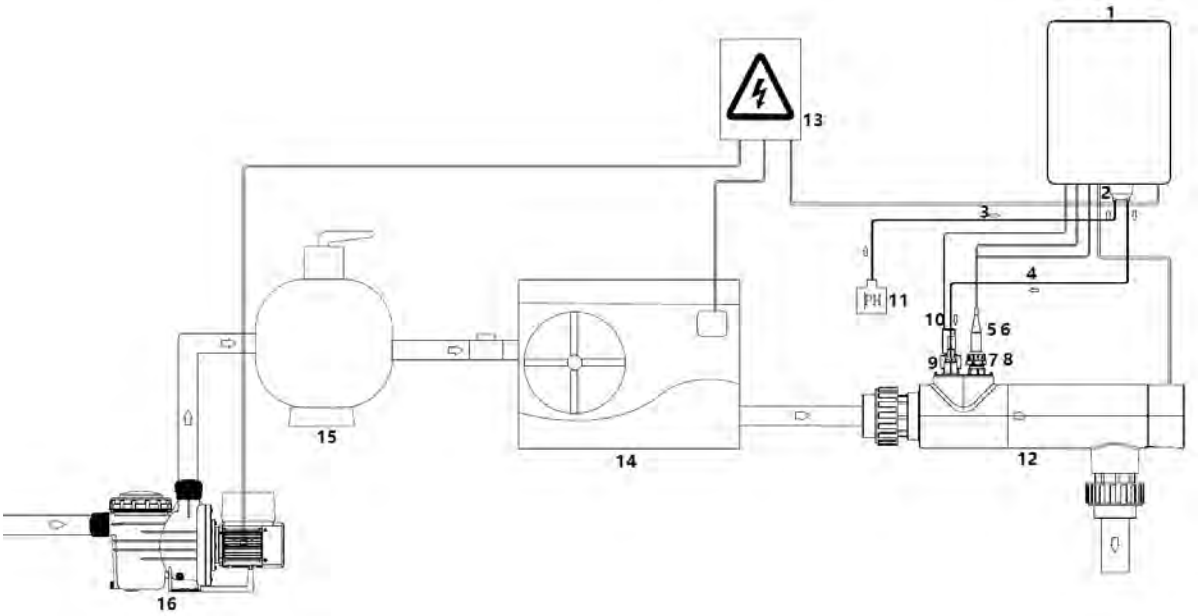
※ The acid tank must be installed a safe distance away from any electrical device or any other chemicals.



MODEL		
MPS14	1	Control Unit
MPS22	2/3/4	External Doser/ Acid Tube Inlet/ Outlet
MPS30	5/7	pH Probe/ Holder
MPS34	6/8	ORP Probe/ Holder
	9/10	Acid Injector/ Flow Switch
	12	Electrolytic Cell

ELEMENTS NOT SUPPLIED

11	Acid Supply
13	Power Supply
14	Heat Pump
15	Filter
16	Filtration Pump



MODEL		
MPS14	1	Control Unit
MPS22	2/3/4	In-built Doser/ Acid Tube Inlet/ Outlet
MPS30	5/7	pH Probe/ Holder
MPS34	6/8	ORP Probe/ Holder
	9/10	Acid Injector/ Flow Switch
	12	Electrolytic Cell

ELEMENTS NOT SUPPLIED

11	Acid Supply
13	Power Supply
14	Heat Pump
15	Filter
16	Filtration Pump

3 Installation Instruction

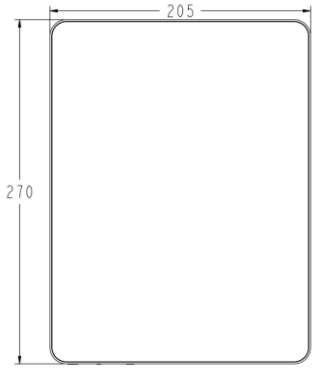
NOTE:

※ The electrolysis cell must be installed after the filtration system and the heating system

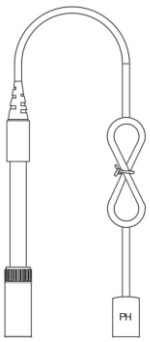
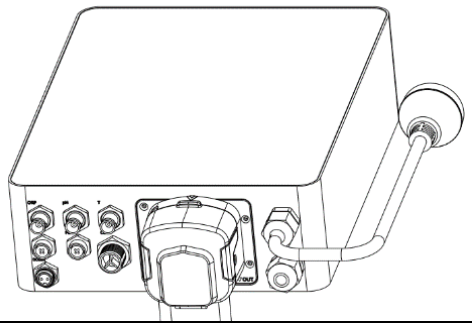
※ The dosing pump and tubing has been installed in the control unit , the electrodes and connection cable has been installed in the electrolytic cell

3.1 Control Unit Installation

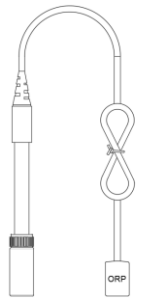
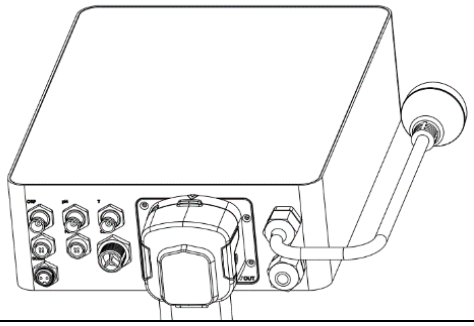
3.1.1 Dimension

Front View	Right View
	

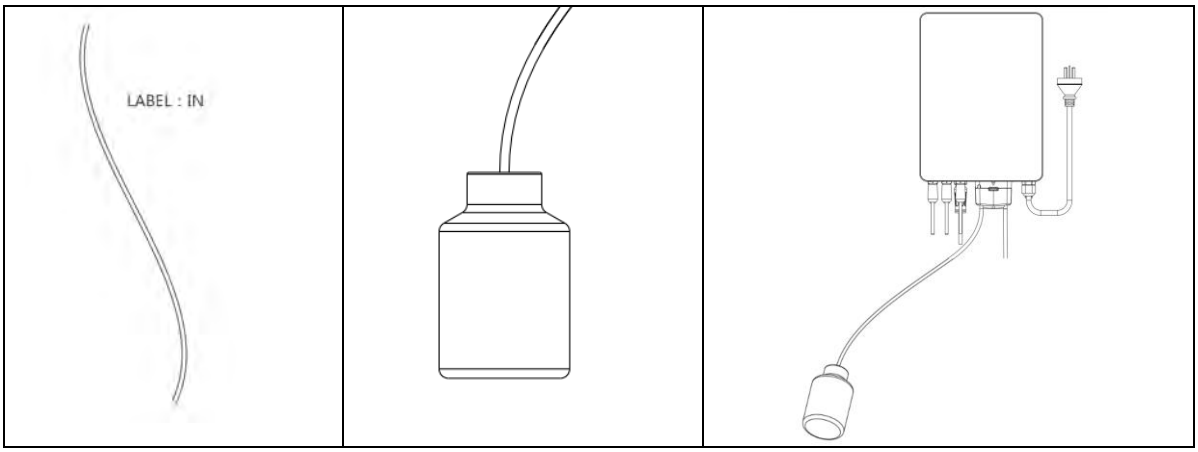
3.1.2 pH Probe Installation

pH Probe (Blue/Glass)	BNC and M8 connectors are screwed right into "pH" and "T°" holes on the control unit, then finish the pH probe installation
	

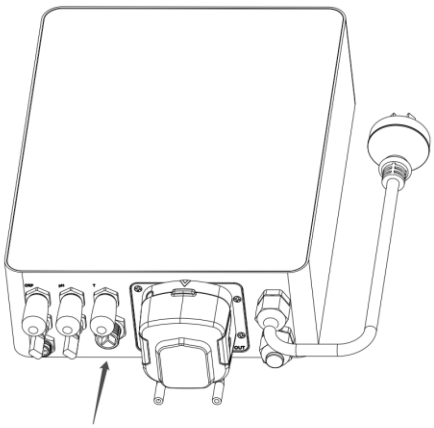
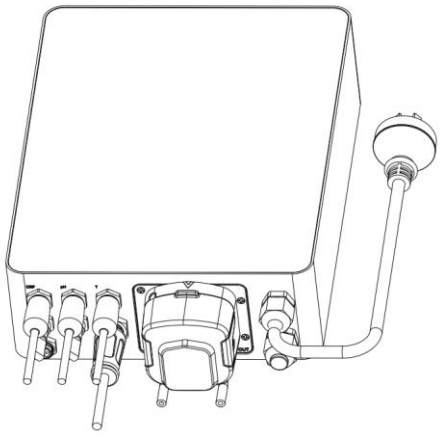
3.1.3 ORP Probe Installation

ORP Probe (Red/Glass)	BNC connector is screwed right into “ORP” hole on the control unit, then finish the ORP probe installation
	

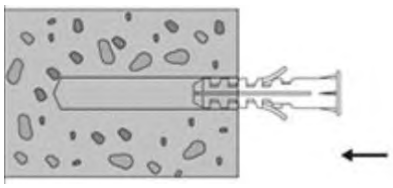
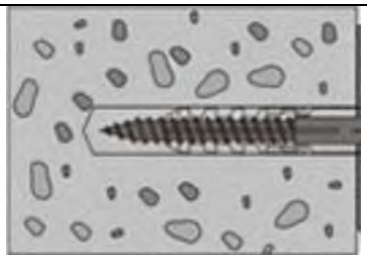
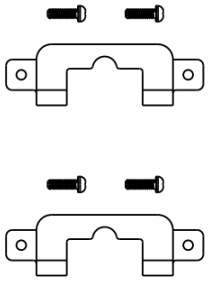
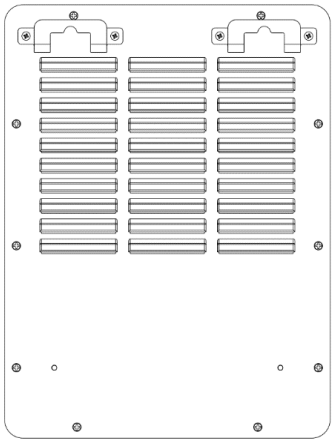
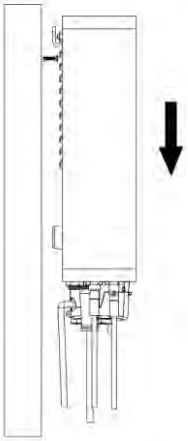
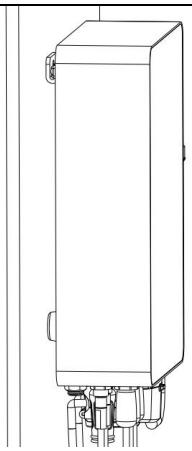
3.1.4 Acid Tube Installation



3.1.5 Electrolytic Cell Cable Installation

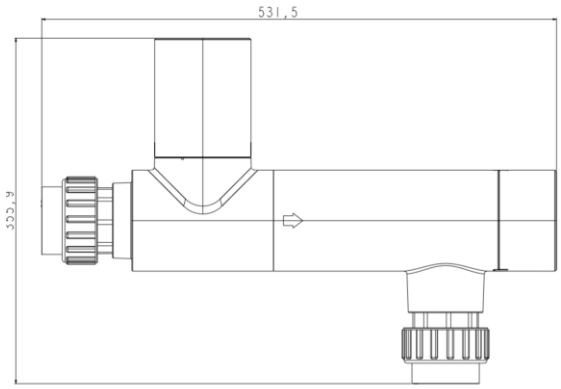
Electrolytic cell cable plug in	Tighten the locking ring to complete the installation
	

3.1.6 Control Unit Installation

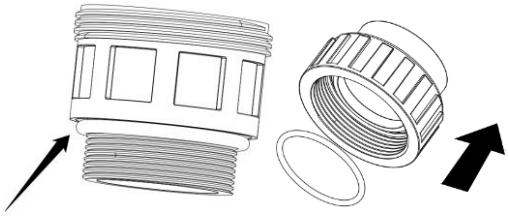
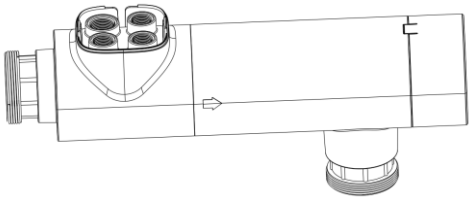
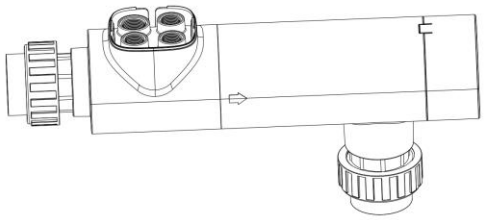
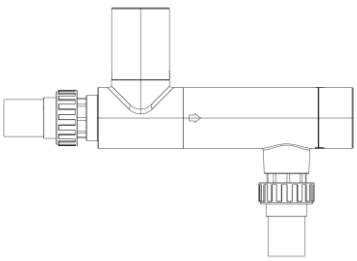
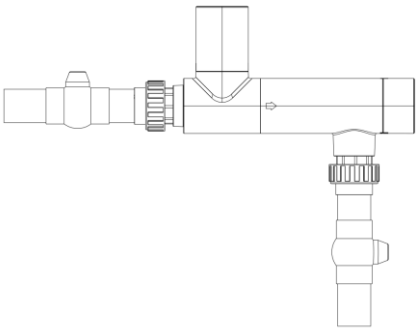
	
Drilling walls with impact drills	**The holes distance is 12.7cm**
	
Punch in the rubber plug	**Drilling in screws**
	
Prepare the hanger	**Fix them on the control unit**
	
Hang up control unit	**Finish installation**

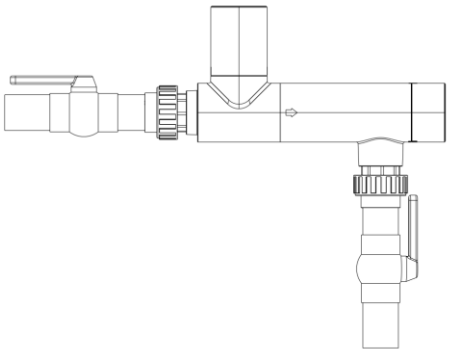
3.2 Electrolytic cells Installation

3.2.1 Dimension

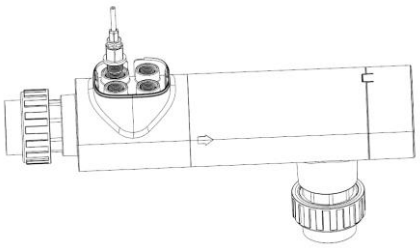
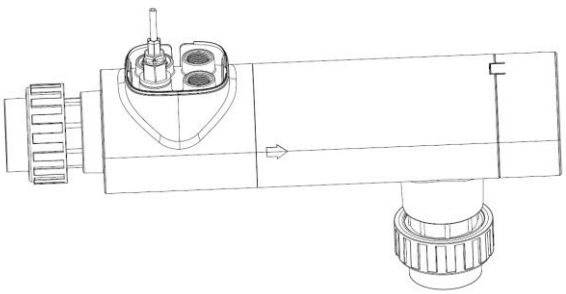
Front View	Right View
	

3.2.2 Water Unions Installation

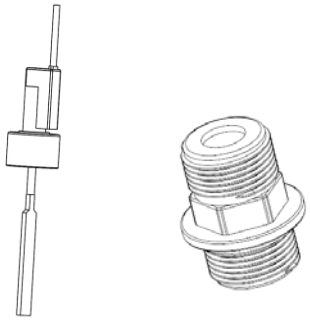
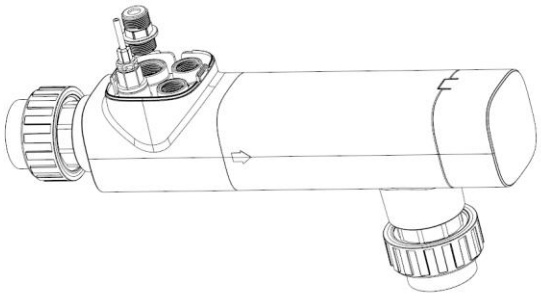
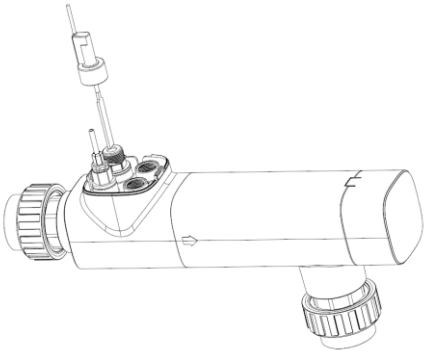
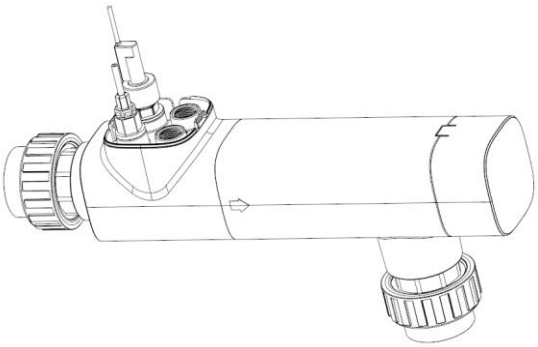
	
Exploded Views of Water Unions: Gaskets, nuts, adapters, connectors	**Rubber ring in place**
	
Water inlet and outlet screwed into the adapter	**Water inlet and outlet screwed into the connection**
	

Inlet and outlet sealed with pipe	Installation of valves near the inlet and outlet
	
Installation Done	

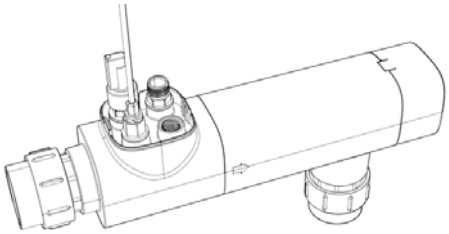
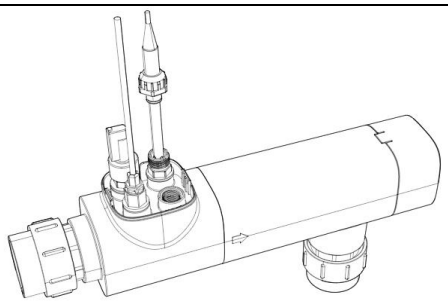
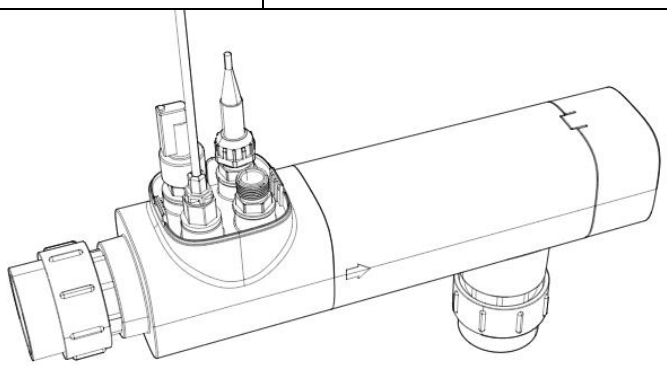
3.2.3 Acid Connector/tube Installation

	
Find the acid tube, thread it through the injector cap.	
	
Insert acid tube into the injector	**Screw and fix the cap**
	
Wrap screw thread with tape (optional)	**Fix and tighten the injector to the holder**
	
Done	

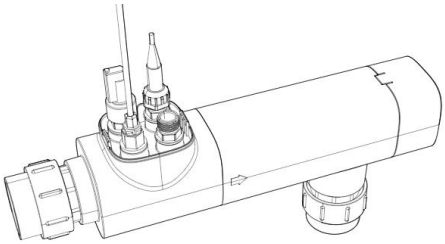
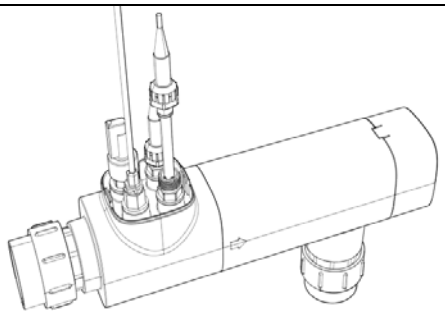
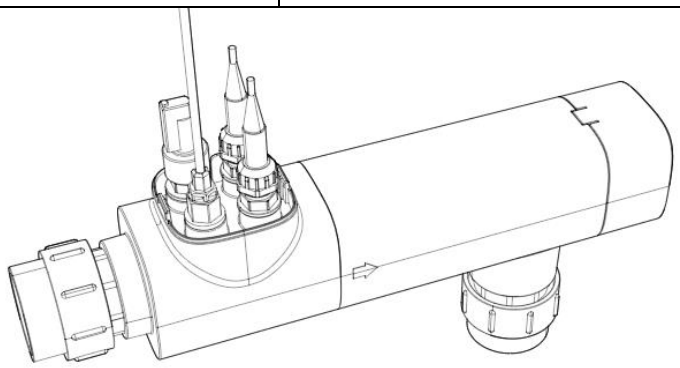
3.2.4 Flow Switch Installation

	
Flow Switch & Holder	**Fix the holder into the cell**
	
Install the flow switch	**Done**

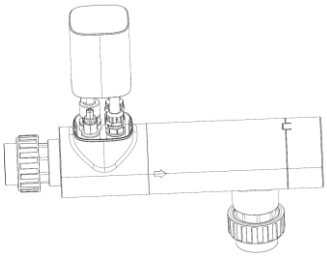
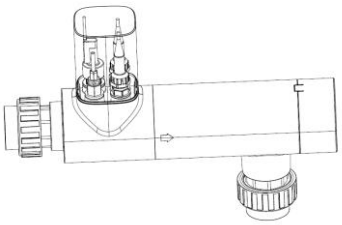
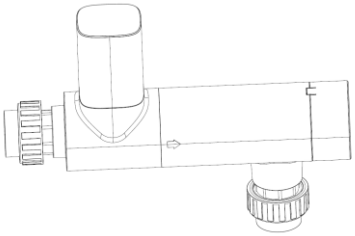
3.2.5 ORP Probe Installation

	
Install the probe holder	**Insert and tighten the ORP probe (with cap)**
	
Done	

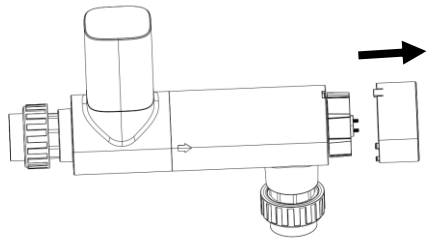
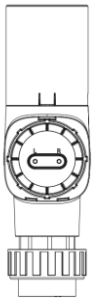
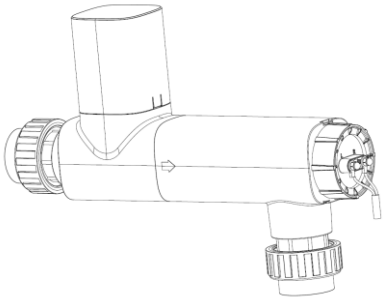
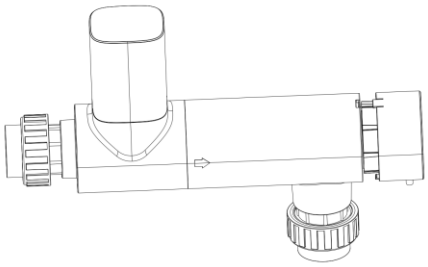
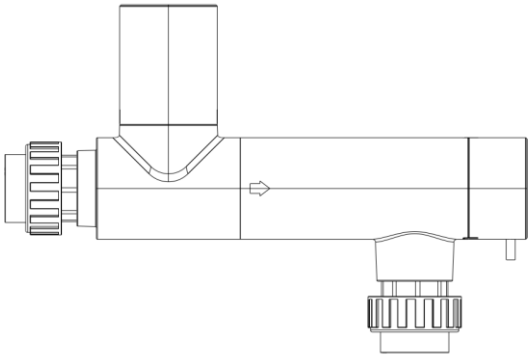
3.2.6 pH Probe Installation

<table>
<tr><td></td><td></td></tr>
<tr><td>Install the probe holder</td><td>Insert and tighten the pH probe (with cap)</td></tr>
<tr><td colspan="2"></td></tr>
<tr><td colspan="2">Done</td></tr>
</table>

3.2.7 Probe Cover Installation

<table>
<tr><td></td><td></td><td></td></tr>
</table>

3.2.8 Electrode Cable Installation

<table>
<tr><td></td><td></td></tr>
<tr><td>Take off the cover</td><td>Black cable connects to terminal “+”,
white cable connects to terminal “-”.</td></tr>
<tr><td></td><td></td></tr>
<tr><td>Tighten the terminals with nuts</td><td>Put on and lock the cover</td></tr>
<tr><td colspan="2"></td></tr>
<tr><td colspan="2">Done</td></tr>
</table>