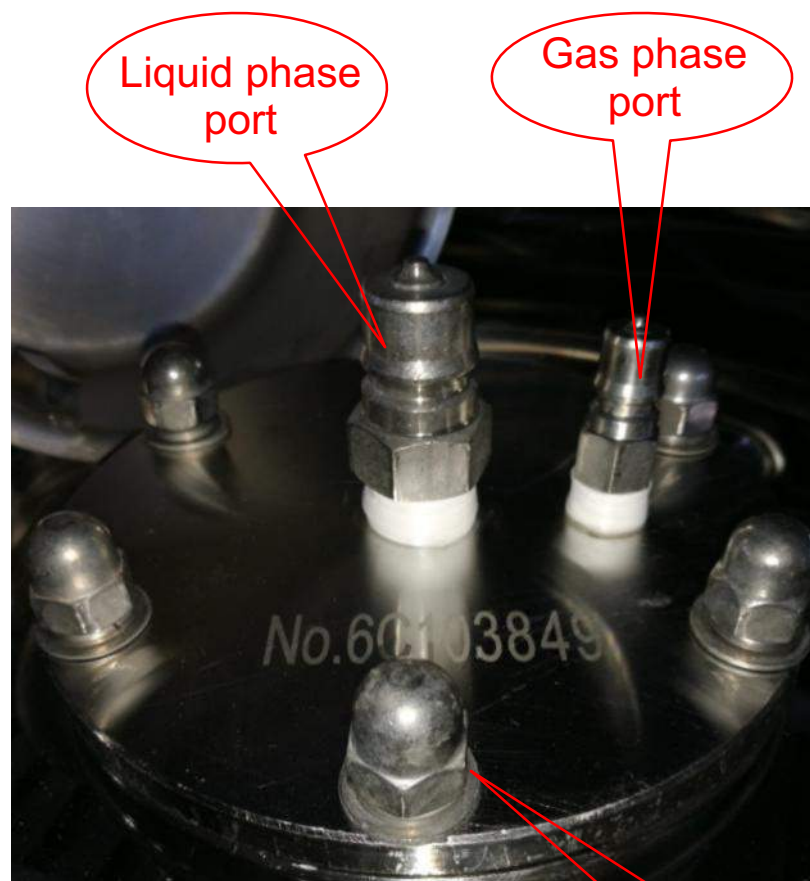


1.1 INNER BARRELS



- ❑ Liquid phase port: In and out for electrolyte, 4P male connector
- ❑ Gas phase port: In and out for protective gas, 2P male connector

Flange
bolting

1. 200L STAINLESS STEEL BARRELS

1.2 BARREL CAP

The barrel cap contains a snap, which can lock automatically when closing the cap



There are fastening screws on the barrel cap. Before use, loosen the screws, then take the barrel cap; After use, cover the barrel cap and tighten the screws.



Pan head
screws

2.1 REQUIREMENTS FOR THE OPERATORS

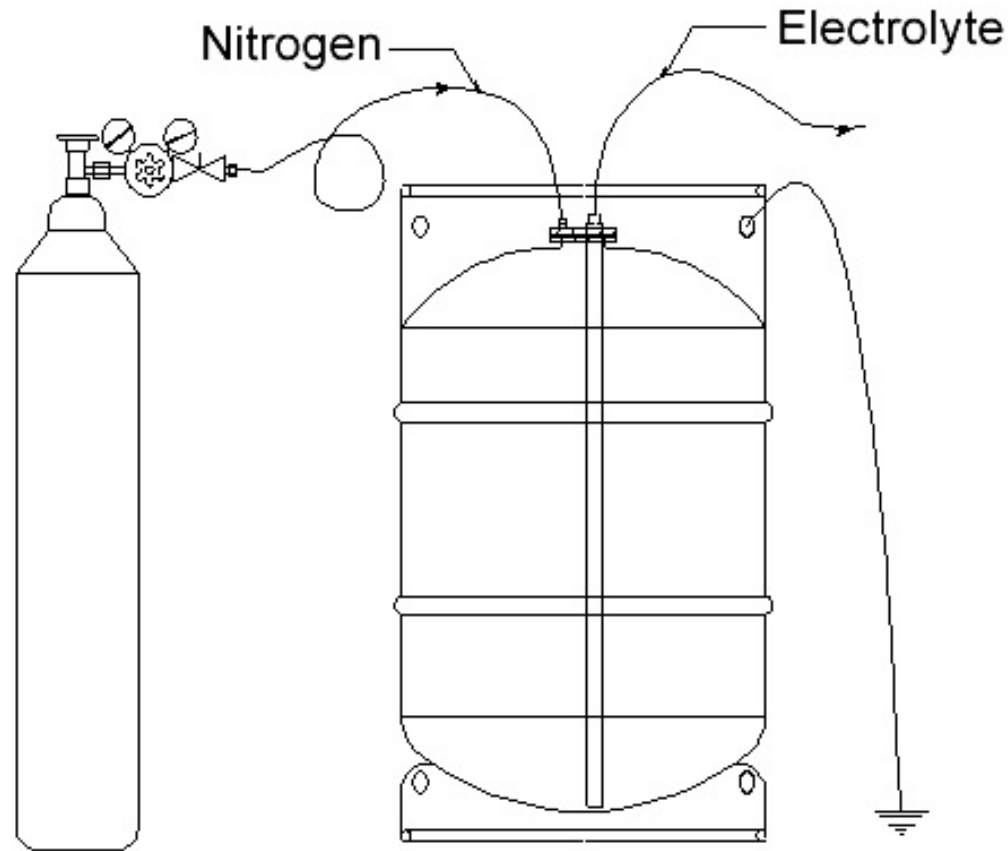
- ◆ The operator must have undergone specialized training and studied the MSDS.
- ◆ Operators are required to wear half-mask gas masks (or anti-virus masks), with protective glasses, wearing long sleeves and rubber and oil-resistant gloves.
- ◆ Operators must avoid to contact the product directly.
- ◆ After the operation, wash hands and faces with water thoroughly.



2.2 REQUIREMENTS FOR PRODUCT USE

- ◆ The product must be avoided to contact with air and moisture directly
- ◆ All operations regarding the product must be done with quick connector under close environment whose moisture is less than 20 ppm.
- ◆ Once a barrel is opened, it is best to use up the product by one time. If not, please filled with 10-100Kpa high purity nitrogen for protection after each use and try to use it up as soon as possible.
- ◆ **Notice: It is strictly prohibited to inject the extracted electrolyte back to barrel, which may seriously pollute the left product inside.**

3.1 CONNECTION DIAGRAM



- ◆ Before use,
 1. Connect well both gas and anti-static earth wire as shown in the diagram
 2. Connect the electrolyte outlet with your injection system

3.2 OPERATING PROCEDURES

Preperations

- Confirm: The label information is right, no leakage and the pressure inside the barrel meets the requirement.
- Wear all necessary protectors

Connections

- Connect anti-static earth wire
- Connect the injection pipe to the liquid phase port. Use rags to wrap the connector while connecting to avoid ejection or leakage of the electrolyte
- Connect the nitrogen pipe to the gas phase port through reducing valve, controlling the gas pressure between 10-100Kpa

Transfer Materials

- Open the gas valve and keep the pressure of inner barrel between 10-100Kpa
- Open the liquid phase valve and start to transfer materials
- Do avoid the inner barrel from negative pressure state which may bring the air inside and affect the quality of electrolyte

End & Confirm

- Close the liquid phase valve and unplug the injection pipe. Use rags to wrap the connector while unplugging the injection pipe to avoid ejection or leakage of the electrolyte
- Ensure the pressure of inner barrel is between 10-100Kpa. If the pressure is insufficient, add more nitrogen
- Close the gas phase valve and unplug the gas pipe
- Clean the left electrolyte on connector and other places to avoid the corrosion to the barrel by the electrolyte.
- Change label on the barrel with new weight and mark empty if used up

3.3 SUPPORTING PIPING & GAS SYSTEM

Liquid hose: With 4P female connector to connect to the liquid phase port, used to let out liquid



Pressure reducing valve: Used to reduce the inner gas pressure to 10-100Kpa; the other side connects to gas phase port to add gas.



3.4 PIPE CONNECTION METHOD

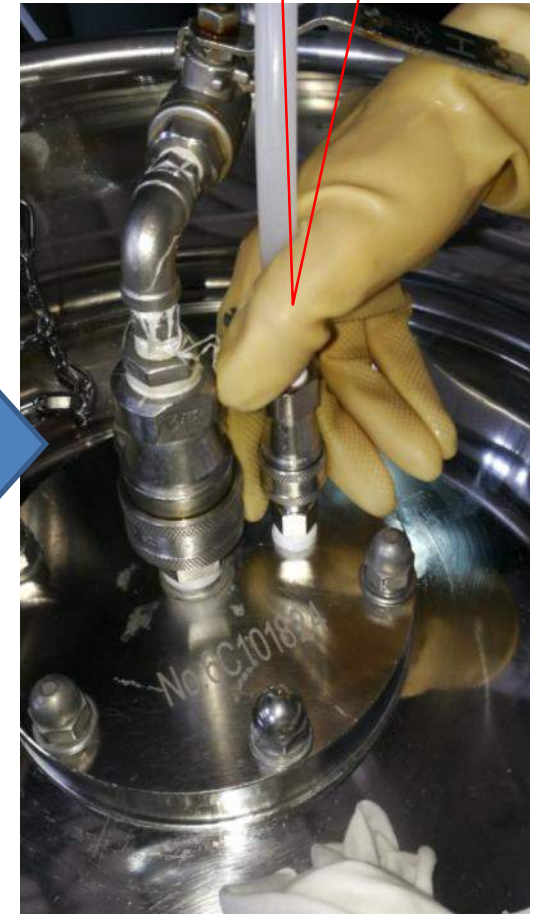
Connect anti-static wire



Wrap the connector with rags to connect to liquid phase port



Connect the gas phase port



1. Use rags to wrap liquid connector immediately



2. Use rags to wrap gas connector



3. Use a hard tool to press the gas phase port through rags to let out the gas in the barrel



4. After the gas in the barrel is completely out, remove the rags to see whether the leak stops. If not, repeat Step 3 to go on letting out the gas

5. Find out the reason for leakage

(1) If it is because the liquid phase valve is not reset during operation, reset it and add pressure 5-10Kpa to check whether leak stops. If so, go on with the operation by increasing to normal pressure

(2) For other reasons, please ensure to let out the pressure inside the barrel and return the product.

WATSON APPENDIX 2: HOW TO HANDLE IT WHEN PROTECTIVE **International**® CAP ON THE CONNECTOR IS TOO TIGHT

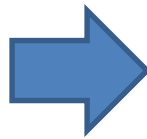
Method 1: 1.1 Insert a slotted screwdriver under the cap



1.2 Lift up the cap heavily



Method 2: 2.1 Insert a scissor under the cap



2.2 Lift up the cap heavily

