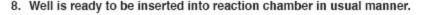
ASSEMBLY INSTRUCTIONS FOR 7858 LOW TEMPERATURE IMMERSION WELL

- 1. Wear safety glasses. Remember, outer chamber is UNDER VACUUM.
- Select inner tube desired and slip one or two O-Rings over closed end, about 20 mm from the bottom. Sole purpose of O-Rings are to act as spacers to prevent inner tube from striking outer chamber.
- Heat seal Teflon® tubing to 3/16" stainless steel tube using cool flame or heat gun. (This may already be done). Cut to proper length so end is below lamp by 50 mm or so.
- Slide neoprene stopper over open end of inner tube about 50 mm below top. It may be necessary to lubricate slightly.
- Carefully insert inner tube with spacer O-Rings into outer chamber and at same time insert Teflon coolant tube into angled side opening. Note: Teflon tubing must be thin walled to: (A) allow good flow and (B) not to put strain at stainless steel-quartz connection.
- Adjust neoprene stopper tightly into place and carefully wire down if unit is to be left unattended.
- Connect Teflon-Stainless inlet tube via gum rubber tubing and use wire to secure smaller diameter Stainless tube in place. Note: Angled inlet tube is purposely kept short so torque is keep to a minimum at this delicate seal.



7858

During early stages of reaction, careful observation of cooling water's temperature should be noted. It should never approach the freeze up point. This would indicate the vacuum has gone soft.

