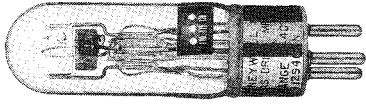


129464NJ UV Tube for Compact Ultraviolet Flame Detector User's Manual



Thank you for purchasing the 129464NJ UV tube. This manual contains information for ensuring correct use of 129464NJ. Before operating this product described in this user's manual, please take note of the following points regarding safety.

REQUEST

Ensure that this User's Manual is handed over to the user before the product is used. Copying or duplicating this User's Manual in part or in whole is forbidden. The information and specifications in this User's Manual are subject to change without notice. Considerable effort has been made to ensure that this User's Manual is free from inaccuracies and omissions. If you should find any inaccuracies or omissions, please contact Yamatake Corporation. In no event is Yamatake Corporation liable to anyone for any indirect, special or consequential damages as a result of using this product.

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SAFETY PRECAUTIONS

Safety precautions are for ensuring safe and correct use of this product, and for preventing injury to the operator and other people or damage to property. You must observe these safety precautions. Also, be sure to read and understand the content of this user's manual.



CAUTION

Cautions are indicated when mishandling this product might result in minor injury to the user, or only physical damage to this product.



CAUTION

- When transporting combustion equipment, remove the UV tube from the equipment and put the tube into a dedicated packing box for transportation. If the UV tube is transported without removing from the equipment, the UV tube might cause malfunction due to the damage caused by vibration and/or shock given during transportation.

1. Introduction

The 129464NJ UV tube is a phototube used to detect ultraviolet radiation emitted by combustion flames. As this unit has a very important function to ensure the safe operation of combustion equipment, please give much attention to it when handling and stocking.

2. Structure

One set of electrodes having a face to receive ultraviolet ray and gas are packaged in a quartz glass tube.

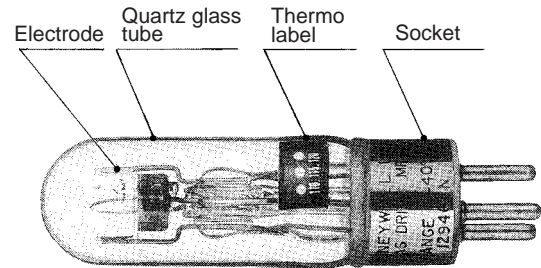


Fig.1

3. Handling Precautions

- (1) Do not combine this unit with a unit other than the C7035A Compact Ultraviolet Flame Detector.
- (2) When replacing the UV tube, mount and dismount by holding the socket.
- (3) Handle carefully the UV tube without giving shock to the bare UV tube.
- (4) Package surely in a packing box for transportation and stocking.
- (5) When ambient temperature increases above 120 °C, the white points on the thermo label change color into black. As this indicates that the temperature has exceeded the allowable temperature, decrease the temperature by air-purge for cooling. At the same time, use an additionally seal adopter (Part No.81403159).
- (6) The effective operation time of the UV tube is 3 years or 25,000 hours for total time of use after the inspection date of Yamatake Corporation. For safety purpose, be sure to replace it with a new UV tube within this term.

4. UV Tube Replacement Method

(1) Protective cover

Mount and dismount carefully by giving a force so as not to damage the UV tube.

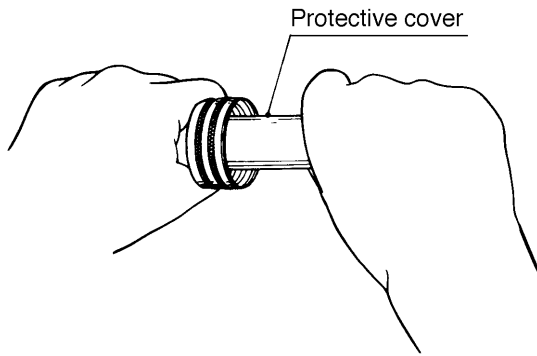


Fig.2

(2) UV tube

Mount and dismount carefully by holding socket so as not to damage the UV tube.

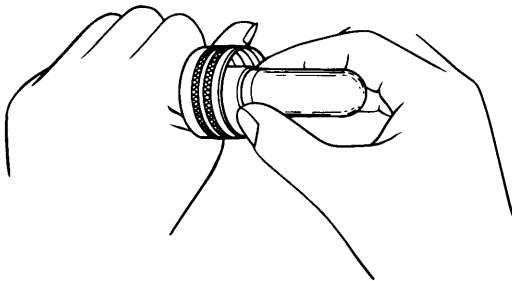


Fig.3

! Handling Precautions

Do not touch the light-receiving glass face by hand.

5. UV Tube Cleaning

Periodically clean the light-receiving glass face of the UV tube in the following procedure:

- (1) Remove the C7035A from the sighting pipe.
- (2) Dismount carefully the UV tube from socket, and clean the light-receiving glass face by using a soft cloth.
- (3) Mount carefully the UV tube into the socket, and then mount the protective cover as before.
- (4) Mount the C7035A to the sighting pipe.

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