



PRODUCT NOTE

DATE
07-31-02

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NUMBER
4505-00

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SUBJECT: Exradin Gas Flow Option Explanation (REF 72142)

The standard configuration for all Exradin Thimble Ionization Chambers is that they are vented and waterproof. The venting is achieved through the black rubber tubing that surrounds the triaxial cable and is open near the connector. As long as the open end of the black tubing is not under water, the chamber is waterproof and vented.



Figure 1 – Standard configuration of (vented) Exradin Thimble Chamber and open end of black tubing.

Occasionally, very special situations require the user to flow a gas through the collecting volume of the chamber. In this case, the Gas Flow Option (REF 72142) is available on most Exradin Thimble Ionization Chambers. Two stainless steel tubes are extended out of the base of the chamber, in which Teflon tubing is attached and secured for the full length of the triaxial cable. Inside the chamber, flow channels are established to ensure the gas flows both in and out of the chamber's collecting volume. After the chamber has been flushed out, only a few micro liters per minute of gas is sufficient to maintain gas in the chamber volume.

The chamber is waterproof, providing the open ends of the Teflon tubing near the connector are kept out of the water, and the tubing is snug on the stainless steel tubes.

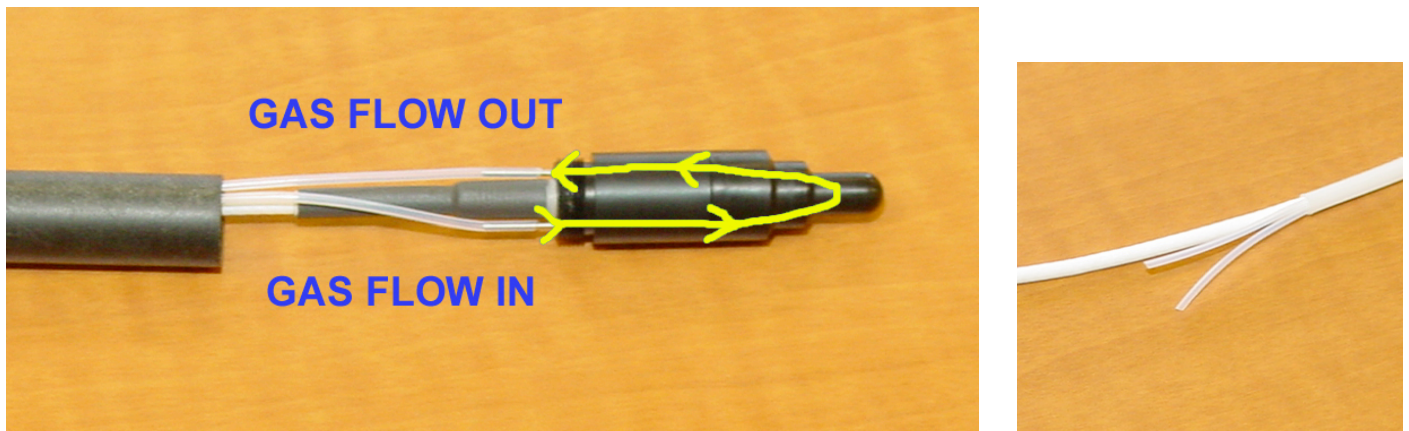


Figure 2 – Exradin Thimble Chamber equipped with Gas Flow Option and open ends of Teflon tubing.

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