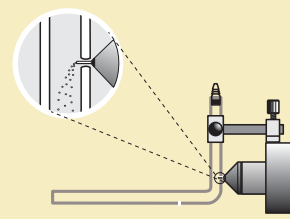
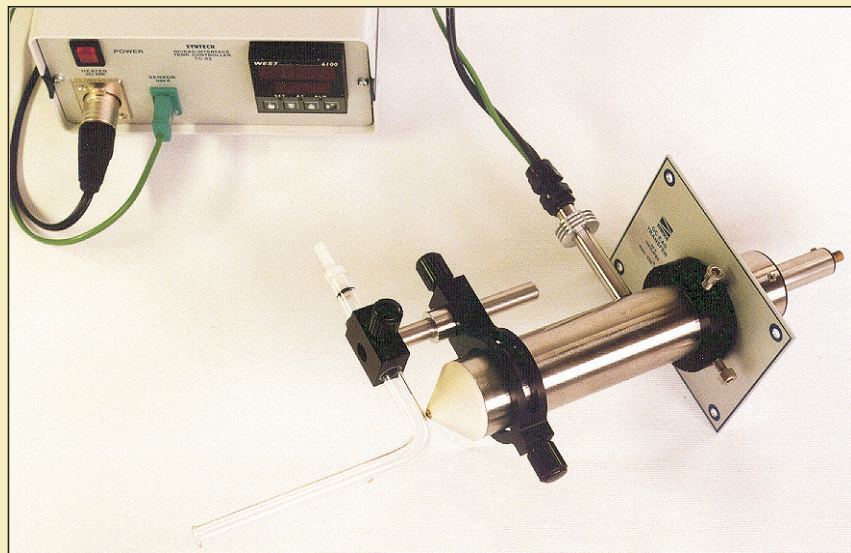


HEATED TRANSFER LINE for GC-EAD and GC-SSR



The application of electroantennographic detection of bio-active fractions in the effluent of a gas chromatograph (GC-EAD) is a very powerful technique. Inside the GC oven the effluent of the analytical column is split in two branches; one branch is connected to the standard GC detector (usually an FID); the other branch transfers a part of the effluent to the antennal preparation outside the GC oven. To prevent condensation of compounds the transfer line needs to be heated, and before the effluent is directed to the antennal preparation it must be mixed with a constant flow of air.

The Syntech transfer line consists of a narrow transfer tube, which is heated uniformly over its entire length to avoid hot or cold spots, and which is surrounded by a protecting stainless steel tube. At the end of the transfer line a glass or stainless steel mixing tube conducting the air flow is attached with an adjustable clamp. The temperature is regulated by a digital temperature controller. For maximum safety the heating element is powered by 24 V via a built-in transformer and separated from the mains power line.

The Syntech transfer line can be adapted to fit any model of gas chromatograph and can be made up to 40 cm long.