



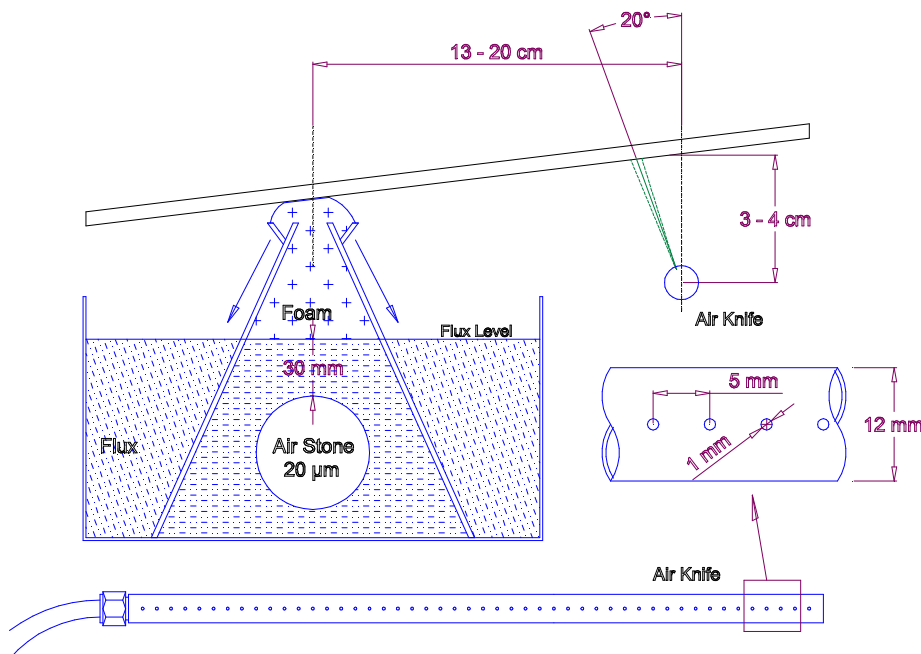
## INTERFLUX® AIRKNIFE

### DESCRIPTION:

The airknife is an Interflux invention to control the quantity of flux on a PCB after foam fluxing. The foam fluxer brings always the maximum amount of flux that a PCB can carry onto it. By placing the airknife behind the foam fluxer, in a correct way, it is possible to control the amount of flux on the PCB by controlling the airflow of the airknife (it is blowing off the excess of flux). The airknife gives the following results:

- Due to a controlled quantity of flux, the residues can be kept to an absolute minimum.
- The airknife creates an additional spreading of the flux. This can be useful to overcome the shadow effect with sprayfluxers
- The flux will be spread equal, resulting in a more uniform thermal profile of the PCB

When the drops of flux are not removed, they will change the proper evaporation rate of the solvents causing possible residue spots.





### **INSTALLATION:**

To prevent the airknife from disturbing the foam, we recommend a distance from at least 13cm between airknife and center of the foam nozzle. The recommended distance between the airknife and the PCB is about 3 - 4 cm; if the distance is too short, the airflow will still have the pattern of the airknife (a line every 5mm); if the distance is too long, too much airflow is needed and cannot be controlled as accurate anymore.

**WARNING:** It is very important that the air is completely free of any kind of contamination like oil, water or dust.

### **MAINTENANCE:**

A daily inspection of the airknife is recommended

    check blockage of the airknife holes

check angle of the airknife, preferably between 10° and 20°

    check the air flow/pressure

Cleaning of the airknife

    residues of Interflux resin/rosin-free fluxes can easily be removed by means of a brush or water (hot water with soap is the most effective).

    other residues can be cleaned with an adequate solvent (contact your flux supplier).

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